InterPARES 2 Project

International Research on Permanent Authentic Records in Electronic Systems

Title: Focus 2 Working Annotated Bibliography: Authenticity, Accuracy, Reliability, Metadata and Policy

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Project Unit:	Focus 2, Domain 2, Description Cross-domain, Policy Cross-domain
URL:	http://www.interpares.org/display_file.cfm?doc=ip2_focus_2_bibliography.pdf

Focus 2 Bibliography

This bibliography contains 311 citations gathered primarily in 2003, with a handful added in 2004. Fewer than 50 of these have been annotated thus far. Full bibliographic citations, along with all annotation comments, are provided below, arranged in sequential order by Citation No.

Questions about this bibliography should be directed to Randy Preston at rpreston@interchange.ubc.ca

Citations with full text (PDF) version available:
(Note: All PDFs are in the "Focus_2_Bibliography_Full_Text_Articles_11_Nov_2004.zip" file, listed by: Citation # – Title – Author Surname – Date of Publication)

- **Citation Nos**: 22, 25, 26, 27, 38, 40, 49, 65, 67, 134, 136, 147, 153, 159, 177, 212, 214, 237, 238, 254, 255, 257, 271, 281, 283, 284, 285, 286, 287, 288, 292, 295, 298, 303, 304, 305, 306, 307, 309, 312

Citations available on the Internet:
(Note: URLs are provided in the "Web Source Link" field in the bibliography listing below.)

- **Citation Nos**: 28, 128, 165, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 301, 303, 305, 306, 307, 309

Table 1. Breakdown of relevancy rankings of annotated citations according to their overall relevance, as well as their relevance to the issues of authenticity, reliability, accuracy, metadata and policy.

	Relevance Rating			
IP2 Issue	**Relevant**	**Marginally Relevant**	**Not Relevant**	**Not Rated**
1. Overall	7, 14, 24, 31, 128, 189, 191, 193, 197, 246, 264, **288**, 301	5, 9, 12, 13, 41, 47, 52, 81, 194, 256	29, 30, 34, 92, 161, 182, 190, 195, 213, 269	All others
2. Authenticity	7, 14, 24, 31, 189, 193, 197, **288**	128	191	
3. Reliability	7, 14, 24, 31, 189, 191, 193, 246, **288**, 301	12, 52, 81, 194	192	
4. Accuracy	7, 14, 31, 189, 191, 192, 193, 246, 264, 301	9, 12, 13, 24, 42, 194		
5. Metadata	66, 128, 189, 191, 192, 193, **288**	81		197
6. Policy	14, 24, 189, 197, 288, 301	13, 193		

Notes:
1. Underlined citation numbers refer to citations that are available on the Internet. See bibliographic citations below for URL addresses.
2. **Bolded** citation numbers refer to citations that are available in PDF format in the file "Focus_2_Bibliography_Full_Text_Articles_11_Nov_2004.zip"

InterPARES 2 Annotated Bibliography Citation

Citation No.: 1 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 31-Aug-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Alvarez, R., et al. (2002). "Ultrasound imaging system and method to archive and review 3-D ultrasound data," Official Gazette of the United States Patent & Trademark Office Patents,1257, vol. 2, , [no pagination] pp.

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 2 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 24-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Aggarwal, R. and Rezaee, Z. (1996). "EDI risk assessment," Internal Auditor 53(1):40(5).

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

(electronic data interchange) (includes related article on risk)

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 3 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 21-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Secretary of the Air Force, United States (2000). "Air Force Instruction 33-321, Communications and Information Authentication of Air Force Records," Rep. No. AFI33321; ADA404797 (Washington, DC: Secretary of the Air Force)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 4 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 21-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Amatayakul, M. (2000). "The Race to Standardize Medical Record Information," MD Computing 17(6):22-24.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 5 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 21-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): Reg White

Citation Bibliographic Information

Ambite, J.L. and Arens, Y. (2001). "Simplifying Data Access: The Energy Data Collection Project.," Computer 34(2):47, 8 p.

Web Source Link:

General Notes: **Overall Relevance:** **Marginally Relevant**

This article helps define what would NOT be included in the Science Focus Task Force literature review (or how to change the definition of the review if it were to be included). This article discusses statistical data, not records. It discusses information that is collected (statistical data) not records that are created. The information is a result of research, not of transaction activity. It makes one important observation worth considering for the review project: context matters.

Authenticity Quotes:	**Relevance:** **Not Relevant**
Reliability Quotes:	**Relevance:** **Not Relevant**
Accuracy Quotes:	**Relevance:** **Not Relevant**
Metadata Quotes:	**Relevance:** **Not Relevant**
Policy Quotes:	**Relevance:** **Not Relevant**

Citation No.: 6 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 21-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

American Health Information Management Association (2003). "Practice brief. Managing and improving data quality (updated)," Journal of AHIMA / American Health Information Management Association 74(7):64A-64C.

Web Source Link:

General Notes:	**Overall Relevance:** **Not Rated**
Authenticity Quotes:	**Relevance:** **Not Rated**
Reliability Quotes:	**Relevance:** **Not Rated**
Accuracy Quotes:	**Relevance:** **Not Rated**
Metadata Quotes:	**Relevance:** **Not Rated**
Policy Quotes:	**Relevance:** **Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 7 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 22-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): Claire Lysnes

Citation Bibliographic Information

Andersson, U. (1997). "Short version of the Sesam report," Philosophy and rules concerning electronic archives and authenticity. Insar Supplement - Brussels, vol. 2, pp. 175-189.

Web Source Link:

General Notes: **Overall Relevance:** **Relevant**

In a lengthy and pragmatic article, Ulf Andersson (1997) ponders strategic considerations concerning long-term electronic records management within the Swedish pharmaceutical industry. Andersson (1997) points out that electronic records management is still undergoing a period of development and testing. He posits poor discipline in using the technology results from lack of strategy and planning behind electronic records management.

For instance, quality losses, and information losses, may occur when information is not retrievable due to inefficient and imprecise structuring and coding, and migrations of the formats and media carrying the record. Andersson (1997) proceeds to highlight the dichotomy between personal integrity of records and better search and retrieval capabilities.

While a 'corporate memory' must be open to the organization, it also must be safeguarded against encroachment. Andersson's (1997) vision for electronic archiving is as follows: establish a mission that takes into account successful management of record life-cycles, the IT environment in which records are found, the desired permanence of formats, logical and physical structures which block harmful results of migration, evidential value and authenticity issues, implementation of general and specific security standards, economy concerns and finally, responsibilities of the various parties involved with archival of electronic records. Andersson proposes the Sesam concept to meet these needs.

The reader is provided with a definition of terminology used. Ideally, electronic business records would contained within a 'causa', also known as a defined administrative routine limited in time and extent. An information package, the electronic equivalent of a traditional paper-based case file, would be composed of one or several business records that belong to corresponding causa, metadata that explains the business records (called envelope) and metadata that identifies and explains the information package (called receptor). In terms of overall structuring, Andersson (1997) sees three different environments as crucial to the interchange of information:

a) Information production environments (comprised of operational systems and information warehouses) and

b) archival systems. Note is made that the archival operations must be completely independent of the information production environments. Procedural principles outlined by Andersson (1997) include:

a) creation of self-identifying record,
b) procedure for handling information no longer needed for operational purposes,
c) simplicity in the maintenance of logical formats through one logical format being stored in one physical file,
d) file structuring for maintenance of digital signatures,
e) structuring to achieve and maintain evidential value,
f) multiple ways, which are a reconfirmation, must be used in parallel to support authenticity,
g) event-logging (certain transactions must be logged to ensure accuracy), and
h) encryption helps to achieve high confidentiality.

To conclude, Andersson (1997) moves on to propose a metadata analysis model and to consider the criteria for appropriate standards of records management. Of interest to read would be how Andersson's strategic and directive approach was received and perhaps implemented by the Swedish pharmaceutical industry.

Authenticity Quotes: **Relevance:** **Relevant**

(1) "Astra must guarantee that information leaving the company in an electronic way is correct whenever the record was created.", "Multiple possibilities to verify the authenticity of a business record must be established." (Andersson, 1997, p. 177).,

(2) "Multiple ways, which are a reconfirmation, must be used in parallel to support authenticity. To achieve this

today, both digital signatures and administrative and technical procedures must be applied. Logging is one that must be established (see event-logging). This need for a sequence of steps that can be verified will force the organization to establish rules of how to perform and document a causa." (Andersson, 1997, p. 184).

(3) "Digital signature is an evidential link between a person, an activity and a business record, which ensures the authenticity of the business record." (Andersson, 1997, p. 179).

Reliability Quotes: **Relevance:** **Relevant**

Reliability and accuracy: "Archiving operations must meet both internal demands for information reliability, accuracy, structuring and information retrieval, as well as external demand as regulatory and legal demands." (Andersson, 1997, p. 182).

Accuracy Quotes: **Relevance:** **Relevant**

Reliability and accuracy: "Archiving operations must meet both internal demands for information reliability, accuracy, structuring and information retrieval, as well as external demand as regulatory and legal demands." (Andersson, 1997, p. 182).

Accuracy: "Certain transactions must be logged to ensure accuracy." (Andersson, 1997, p. 184)

Metadata Quotes: **Relevance:** **Not Relevant**

Policy Quotes: **Relevance:** **Not Relevant**

Citation No.: 8 **Date Created:** 01-Dec-2003

Focus Group: 2 **Last Modified:** 21-Apr-2004

Science Field(s): Biological Sciences

Annotator(s): [not yet annotated]

Citation Bibliographic Information

Andrus, C.H., Villasenor, E.G., Kettelle, J.B., Roth, R., Sweeney, A.M., and Matolo, N.M. (2003). ""To Err Is Human": uniformly reporting medical errors and near misses, a naive, costly, and misdirected goal," Journal of the American College of Surgeons 196(6):911-918.

Web Source Link:

General Notes: **Overall Relevance:** **Not Rated**

Authenticity Quotes: **Relevance:** **Not Rated**

Reliability Quotes: **Relevance:** **Not Rated**

Accuracy Quotes: **Relevance:** **Not Rated**

Metadata Quotes: **Relevance:** **Not Rated**

Policy Quotes: **Relevance:** **Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 9 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): Jessica Zacher

Citation Bibliographic Information

Ascoli, G.A., et al. (2001). "Generation, description and storage of dendritic morphology data," 356(1412):1131-1145.

Web Source Link:

General Notes: **Overall Relevance:** **Marginally Relevant**

An investigation into the effect of neuronal morphology on both the connectivity and the activity of the nervous system using computational tools. The scientists are "developing computational tools to describe, generate, store and render large sets of three-dimensional neuronal structures in a format that is compact, quantitative, accurate and readily accessible."

Basically, the article talks about problems scientists face doing this investigation with the scientific equipment available today. Even with the use of advanced equipment, drawbacks to the method still remain. Therefore, the use of computer programs that can mimic real neurological processes would be very helpful. However, there are multiple issues of accuracy of data collected from these programs.

Authenticity Quotes: **Relevance:** **Not Relevant**

Reliability Quotes: **Relevance:** **Not Relevant**

Accuracy Quotes: **Relevance:** **Marginally Relevant**

(1) "Data acquisition refers to a multi-step process from tissue staining to the extraction of single neuron structural information. This is a difficult tast that limits the number of entries stored in a database. There is a trade off between the accuracy guaranteed by digital format and the greater insight endured by the usage of statistical distributions." p. 1132

Discussion of the limitations of scientific equipment to accuracy: (1) "Electron microscopy plays an essential role in demonstrating the limits to accuracy and completeness of neuronal labeling." p. 1132;

(2) "Assuming that the algorithm is in fact generating the correct parameters with the specified distributions, one needs to test the accuracy of the algorithmic description of a morphological class." p. 1142

Metadata Quotes: **Relevance:** **Not Relevant**

Policy Quotes: **Relevance:** **Not Relevant**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 10 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Atkin, P.A., Stringer, R.S., Duffy, J.B., Elion, C., Ferraris, C.S., Misrachi, S.R., et al. (1998). "The influence of information provided by patients on the accuracy of medication records," Medical Journal of Australia 169(2):85-88.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 11 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

[no author given] (1998). Authentic texts; Resolutions; Delegations. International Labour Conference (86th Session: Geneva, Switzerland),

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 12
Date Created: 01-Dec-2003
Focus Group: 2
Last Modified: 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): Jessica Zacher

Citation Bibliographic Information

Bhat, T.N., Bourne, P., Feng, Z., Gilliland, G., Jain, S., Ravichandran, V., Schneider, B., Schneider, K., Thanki, N., Weissig, H., Westbrook, J., and Berman, H.M. (2001). "The PDB data uniformity project," Nucl. Acids. Res. 29:214-218.

Web Source Link:

General Notes: **Overall Relevance:** **Marginally Relevant**

This article is also about the Protein Data Bank (PDB). It "describes the data uniformity project that is underway to address inconsistency in PDB data." In other words, the goal of the project is to maintain reliable data. This is part of the project that deals with the accuracy of the data. The article discusses where and how the inaccurate data occurs and the methods that are used to stop it from happening and to fix it when it does.

Authenticity Quotes: **Relevance:** **Not Relevant**

Reliability Quotes: **Relevance:** **Marginally Relevant**

Annotations relating to Reliability: (1) "Inconsistency, in particular, reflects the evolution of experimental methods, functional knowledge of proteins, and methods used to process these data over the years. The result is that only searches by PDB ID can provide completely reliable results." p. 214; (2) "In the meantime there is a need to improve uniformity of certain key data items to facilitate reliable queries on these items." p. 216.

Accuracy Quotes: **Relevance:** **Marginally Relevant**

Annotations relating to Accuracy: (1) "An important impact of uniformity is that it accurately defines the scope of data in the PDB to which users can be made aware." p. 217

Metadata Quotes: **Relevance:** **Not Relevant**

Policy Quotes: **Relevance:** **Not Relevant**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 13
Date Created: 01-Dec-2003
Focus Group: 2
Last Modified: 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): Claire Lysnes

Citation Bibliographic Information

Boom, J.A., and Monk, R. (2002). "Going electronic? Watch immunization data accuracy," Pediatric research 51(4 Part 2)

Web Source Link:

General Notes: **Overall Relevance:** **Marginally Relevant**

This short summary of a Poster Board Presentation concerns the migration of a paper medical record to an electronic medical record and the subsequent significant transfer of information. Boom and Monk (2002) refer to The American Academy of Pediatrics statement on requirements for EMR systems. The researchers compared preloaded electronic immunization records to all paper immunization records found in the paper medical record for each patient. 65.3% of the EMR records contained at least one error.

The researchers concluded that human data entry error can be a significant factor when transferring historical immunization records and recommended that preloading immunization data should be done by trained personnel with quality checks in place to ensure data accuracy.

For the terminology group: As this was a paragraph-long summary of the poster presentation, the terms “accuracy”, “reliability” and “authenticity” were not discussed in depth.

Authenticity Quotes: **Relevance:** **Not Relevant**

Reliability Quotes: **Relevance:** **Not Relevant**

Accuracy Quotes: **Relevance:** **Marginally Relevant**

The researchers concluded that human data entry error can be a significant factor when transferring historical immunization records and recommended that preloading immunization data should be done by trained personnel with quality checks in place to ensure data accuracy.

Metadata Quotes: **Relevance:** **Not Relevant**

Policy Quotes: **Relevance:** **Marginally Relevant**

Boom and Monk (2002) refer to The American Academy of Pediatrics statement on requirements for EMR systems.

InterPARES 2 Annotated Bibliography Citation

Citation No.: 14 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 22-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): Claire Lysnes

Citation Bibliographic Information

Bos, J.J. (1996). "Digital signatures and the electronic health records: Providing legal and security guarantees," International journal of bio-medical computing 42(1-2):157-163.

Web Source Link:

General Notes: **Overall Relevance:** **Relevant**

In his comprehensive and well thought-out article, Bos states that electronic health records challenge conventional legal concepts in several ways. First, because electronic health records eliminate the use of paper-based information, judicial systems are less inclined to attribute persuasive evidential value to them than to paper records. Second, an equivalent functionality to the manual signature seen in the paper record has to be established within electronic records. In meeting legal requirements the electronic health records must conform to security standards, which encompass the protection of information stored, processed or transmitted in electronic form against deliberate and accidental threats.

Bos (1996) identifies three principles aspects of security. First, the authentication of the originator and recipient of messages. Second, guaranteeing the integrity of the exchanged messages. Third, the non-repudiation of messages. These security principles can be met with a security mechanism called the digital signature. Through the use of an algorithm based on a public and private key, the verification will only be successful if the contents of the message have not been altered and the public key used to decrypt the signature corresponds with the private key used to encrypt the signature (Bos, 1996).

Moving on, Bos (1996) speaks about the Dutch healthcare sector and its legislative provisions with respect to healthcare information. At the time this paper was written, Dutch healthcare providers simultaneously employed paper-based and electronic means to store and exchange information. Electronic data interchange (EDI) the computer-to-computer transmission of data in a standard format was rapidly gaining importance in the Dutch health sector. However, as of 1996, Dutch law did not deal with digital signatures. To ensure uniform levels of reliability and trust, information systems and networks will need to be certified.

Bos (1996) speaks about the Trusted Third Party. Physical validation of the users, authentication of messages, certification of messages (date/time stamping), record keeping and confidentiality would be their responsibility.

Lastly, Bos (1996) highlights current developments, including the State of Utah's Digital Signature Act, adopted on February 27, 1995. The Act states that "(w)here a rule of law requires a signature, or provides for certain consequences in the absences of a signature, that rule is satisfied by a digital signature, if:

a. that digital signature is verified by reference to the public key listed in a valid certificate issued by a licensed certification authority;
b. that digital signature was affixed by the singer with the intention of signing the message; and
c. the recipient has no knowledge or notice the signer either:
    a. breached a duty as a subscriber; or
    b. does not rightfully hold the private key used to affix the digital signature." (Bos, 1996, p. 162).

Bos (1996) states that this act has much in common with draft Digital Signature Guideline of the American Bar Association (AbA). These guidelines seek to set out legal standards with regard to the role, responsibly and liabilities of certification authorities, subscribers and recipients.

Authenticity Quotes: **Relevance:** **Relevant**

(1) "The inclusion of EDI and e-mail messages in the electronic health records, requires substantial guarantees with regard to the authentication of origin and integrity of the data." (Bos, 1996, p. 160).
(2) "Whereas the paper-based information often lacks explicit guarantees with regard to authentication of origin and integrity, such guarantees are indispensable for electronic information." (Bos, 1996, p. 162).

Reliability Quotes: **Relevance:** **Relevant**

"To enforce the reliability of the electronic health records, the evidential needs with regard to electronic documents

must be taken into account." (Bos, 1996, p. 157).

Accuracy Quotes: **Relevance:** Relevant

"The attribution of responsibility is a means to ensure the accurateness of the information." (Bos, 1996, p. 159).

Metadata Quotes: **Relevance:** Not Relevant

Policy Quotes: **Relevance:** Relevant

State of Utah's Digital Signature Act, adopted on February 27, 1995. The Act states that "(w)here a rule of law requires a signature, or provides for certain consequences in the absences of a signature, that rule is satisfied by a digital signature, if:

a. that digital signature is verified by reference to the public key listed in a valid certificate issued by a licensed certification authority;
b. that digital signature was affixed by the singer with the intention of signing the message; and
c. the recipient has no knowledge or notice the signer either:
    a. breached a duty as a subscriber; or
    b. does not rightfully hold the private key used to affix the digital signature." (Bos, 1996, p. 162).

Bos (1996) states that this act has much in common with draft Digital Signature Guideline of the American Bar Association (AbA). These guidelines seek to set out legal standards with regard to the role, responsibly and liabilities of certification authorities, subscribers and recipients.

Citation No.: 15 **Date Created:** 01-Dec-2003

Focus Group: 2 **Last Modified:** 15-Apr-2004

Science Field(s): Computer and Information Sciences

Annotator(s): [not yet annotated]

Citation Bibliographic Information

Bowen, B.D. (1995). "Encryption addresses privacy, authentication and data integrity," Client-Server Comput. 2(10):50-61.

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 16 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Bowers, J.C., Morrow, A.L., Rosenthal, J., and Collins, C. (1994). "Accuracy of parent and care provider immunization records," American Public Health Association 122nd Annual Meeting and Exhibition: Public Health and Diversity--Opportunities for Equity,

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 17 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Brems, C., Kowalski, D., Powell, J. and Tucker, D.R. (1990). "The Developmental Record Reliability and Validity in a Clinical Population," American Journal on Mental Retardation 94(6):649-653.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 18 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Bricker, J. and Maydanchik, A. (1999). "Data quality assurance: plan redesign affords an opportunity to consider an automated approach to cleansing employee records," Compensation and Benefits Management 15(4):49-54.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 19 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Brinkman, D.A., Stavenjord, K.H. and Johnson, P.C. (2002). "Information System Security: User Authentication Protection at Central Design Activities," Rep. No. IGDODD2002135; ADA405067 (Washington, DC: Office of the Inspector General; Department of Defense)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 20 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Brooks, P., Frisell, E., McCoy, J. and Thornton, D. (2000). "Following the electronic trail," Journal of AHIMA / American Health Information Management Association 71(8):49.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 21 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Brown, P.J.B. and Warmington, V. (2002). "Data quality probes - Exploiting and improving the quality of electronic patient record data and patient care," International Journal of Medical Informatics 68(1-3):91-98.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 22 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Engineering
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Badri, M.A., Al-Mutawa, A. and Davis, D. (1997). "EDSSF: a decision support system (DSS) for electricity peak-load forecasting," Energy 22(6):579-589.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 23 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 30-Sep-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Bandini, L.G., Must, A., Cyr, H., Anderson, S.E., Spadano, J.L., and Dietz, W.H. (2003). "Longitudinal changes in the accuracy of reported energy intake in girls 10-15 y of age," The American Journal of Clinical Nutrition 78(3):480-484.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 24 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 30-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): Claire Lysnes

Citation Bibliographic Information

Barata, K.J. (1998). "The impact of information technology standards on recordkeeping systems development: implications for records professionals," Computer Standards & Interfaces 19:51-64.

Web Source Link:

General Notes: **Overall Relevance:** **Relevant**

Barata ponders the impact of information technology (IT) development on evolving frameworks for managing the creation, capture, maintenance and use of evidential records in electronic systems in great depth. He states that organizations are noted to need reliable, authentic, purposeful records that support business objectives –not just business processes – and provide evidence of transactions that support those objectives.

Recordkeeping systems should be able to capture and maintain the structure and context, as well as the content, of records. Barata's focus is on standards that will help to meet this goal. Although he mentions three types of standards, the author focuses on externally developed voluntary consensus standards (that is, standards that evolve out of an atmosphere of discussion and compromise within accredited standards development organizations. Driving this is business concerns and new management concepts.

The Open Systems Interconnection (OSI) model, which addresses concerns about interoperability between different technologies, is discussed in detail by Barata as a system which has attempted to meet the needs of such commercial sector driven changes in recordkeeping. In addition, another driver is the rise of distributed archives, virtual archives and virtual documents. Barata cites this transition in the format of recordkeeping as the impetus for mechanisms that capture and maintain information necessary to ensure that records retain their structure and context throughout their lifecycle.

Various frameworks have been developed to address the above drivers. The University of Pittsburgh School of Information Studies Functional Requirements for Evidence in Recordkeeping is explored thoroughly by Barata as it allows for some metadata to be applied to the record, thus, assisting access to it over time. In 1998, the impact of the Functional Requirements was only beginning to be assessed; however, by that time, it did serve as a model for a number of other standards programs.

They are as follows:

Standards Australia's Records Management Standard; the Philadelphia Electronic Records Project; the Functional Requirements/BAC Model: Guide for Managing Electronic Records from an Archival Perspective;

Electronic Records Programs: Report on the 1994/1995 Survey, Electronic Records: Literature Review, all issued by the International Council on Archives (ICA) Committee on Electronic Records; the Victorian Government Electronic Recordkeeping Strategy, the Indiana University Electronic Records Project, ASTRA's (Sweden's largest pharmaceutical firm) vision of records management, the Vermont Information Strategy Plan and finally, the World Bank's Integrated Records and Information Service (IRIS).

Barata advocates for archivists to remain active in the standards development process and recommends that organizations such as the Society of American Archivists (SAA) assume a more aggressive role in the IT standardization process. He proposes ways this goal can be achieved, in addition to problems impeding archival involvement. Finally, Barata concludes with a number of suggestions for archivists to become involved with standards development within the context of their own organization.

Authenticity Quotes: **Relevance:** **Relevant**

Reliability and authenticity: "Ultimately, organizations need reliable, authentic, purposeful records that support business objectives –not just business processes –and provide evidence of those objectives." (Barata, 1998, p. 53)

Reliability Quotes: **Relevance:** **Relevant**

Reliability and authenticity: "Ultimately, organizations need reliable, authentic, purposeful records that support business objectives –not just business processes –and provide evidence of those objectives." (Barata, 1998, p. 53)

Accuracy Quotes: **Relevance:** Marginally Relevant

Throughout the article, Barata does not explicitly mention accuracy; however the use of recordkeeping systems, which utilize metadata, would only result in levels of increased accuracy.

Quotes: 1. (p. 54) “Context is not inherent in the record itself but is created by the system that manages that record. Structural information encompasses both the internal structure of the record (i.e. document markings), as well as the external structure (i.e. links to other related records). Without knowledge of these two aspects of a record’s structure, the record cannot be properly redacted. Metadata is the mechanism which enables contextual, structural and content related information to be captured, thereby providing archivists with a foundation upon which virtual archives can be constructed.”

2. “The concept that the de facto record is the electronic record and the paper version is just a convenience copy, threatens the very core of traditional archival and records management practices.”

3. “…until records professionals understand the important role IT standards play in building reliable, accountable, and evidential recordkeeping systems, and begin to voice their objectives, they will have no alternative but to accept and attempt to adapt to information systems developed devoid of recordkeeping concerns” (p. 61).

Metadata Quotes: **Relevance:** Not Relevant

Policy Quotes: **Relevance:** Relevant

The University of Pittsburgh School of Information Studies Functional Requirements for Evidence in Recordkeeping is explored thoroughly by Barata as it allows for some metadata to be applied to the record, thus, assisting access to it over time. In 1998, the impact of the Functional Requirements was only beginning to be assessed; however, by that time, it did serve as a model for a number of other standards programs.

They are as follows: Standards Australia’s Records Management Standard; the Philadelphia Electronic Records Project; the Functional Requirements/BAC Model: Guide for Managing Electronic Records from an Archival Perspective

Citation No.: 25 **Date Created:** 01-Dec-2003

Focus Group: 2 **Last Modified:** 15-Apr-2004

Science Field(s): Social, Behavioral, and Economic Sciences

Annotator(s): [not yet annotated]

Citation Bibliographic Information

Barnum, G. (2002). "Availability, access, authenticity, and persistence: creating the environment for permanent public access to electronic government information," Government Information Quarterly 19(1):37-43.

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 26 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Galil, K., Pletcher, M.J., Wallace, B.J., Seward, J., Meyer, P.A., Baughman, A.L. and Wharton, M. (2002). "Tracking varicella deaths: accuracy and completeness of death certificates and hospital discharge records, New York State, 1989-1995," American Journal of Public Health 92(8):1248-1250.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 27 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Beamsley, T.G. (1999). "Securing digital image assets in museums and libraries: a risk management approach," Library Trends 48(2):359-378.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 28 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Bearman, D., and Trant, J. (1998). "Authenticity of digital resources: towards a statement of requirements in the research process," D-Lib Magazine

Web Source Link: http://www.dlib.org/dlib/june98/06bearman.html

General Notes: **Overall Relevance:** Not Rated

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 29 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 30-Apr-2004
Science Field(s): Computer and Information Sciences, Biological Sciences
Annotator(s): Reg White

Citation Bibliographic Information

Beck, H. (2001). "Agricultural enterprise information management using object databases, Java, and CORBA," Computers & Electronics in Agriculture 32(2):119-147.

Web Source Link:

General Notes: **Overall Relevance:** Not Relevant

This article examines the pros and cons of object vs. relational databases for complex applications. It addresses the structure, scalability, and programming efficiency of object databases, and shows where and how they are superior to relational databases. The discussion uses terms such as scalability, productivity, learn systems quickly, whole objects, decompose, reassemble, database performance, query processing, and indexing, which have no relationship to accuracy, authenticity, and reliability. There is mention of 'security' early on, in a context that implies authenticity, but there is no discussion of the term, nor does it address how to keep records secure.

Authenticity Quotes: **Relevance:** Not Relevant

Reliability Quotes: **Relevance:** Not Relevant

Accuracy Quotes: **Relevance:** Not Relevant

Metadata Quotes: **Relevance:** Not Relevant

Policy Quotes: **Relevance:** Not Relevant

InterPARES 2 Annotated Bibliography Citation

Citation No.: 30
Date Created: 01-Dec-2003
Focus Group: 2
Last Modified: 21-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): Claire Lysnes

Citation Bibliographic Information

Bell, S.J., Clifton, J., Pease, J., Greenfield, J.C., Leggett, S., Maynard, C., et al. (2001). "The evaluation of a precordial ECG BELT: Technologist satisfaction and accuracy of recording," Journal of electrocardiology 34(2):155-159.

Web Source Link:

General Notes: **Overall Relevance:** **Not Relevant**

Not applicable to InterPARES II as this article examines an instrument and its measurement accuracy, however, it does not discuss even the creation of electronic records. In addition, issues of authenticity are not approached.

Authenticity Quotes: **Relevance:** **Not Relevant**

Reliability Quotes: **Relevance:** **Not Relevant**

Accuracy Quotes: **Relevance:** **Not Relevant**

Metadata Quotes: **Relevance:** **Not Relevant**

Policy Quotes: **Relevance:** **Not Relevant**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 31 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): Jessica Zacher

Citation Bibliographic Information

Berman, H.M., et al. (2000). "The Protein Data Bank," Nucleic Acids Research 28(1):235-242.

Web Source Link:

General Notes: **Overall Relevance:** **Relevant**

The Protein Data Bank is an international digital repository housing information about the structural data of biological macromolecules. Being a digital archive that was started in 1971, it has faced two major challenges – rapid technological changes and continually increases acquisitions. These are challenges because the goal is to provide with accurate data processing, that is "efficient capture and curation of data." To maintain accuracy of the data a safe guard system is in place. If reliability, authenticity or accuracy is called into question, and for purposes relating to provenance, all communications with authors are archived in correspondence files. The article gives extensive hardware and software details and addresses the challenge of rapid obsolesce of the technology by providing measures to ease the transition of data from old to new systems using easily upgradeable components. A final safeguard of the whole system is the development of a central archiving facility with the following goals:

1. reconstruction of the current archive in case of a disaster
2. duplication of the contents of the PDB as it existed on a specific date
3. preservation of software, derived data, ancillary data and all other computerized and printed information
4. automatic archiving of all depositions and PDB production resource
5. maintenance of the PDB correspondence archives that documents all aspects of deposition

Personal Note: I feel that the Protein Data Bank is an especially interesting study because it started off digital and is expanding to become a more traditional archival repository while at the same time maintaining and expanding its digital infrastructure.

Authenticity Quotes: **Relevance:** **Relevant**

Selected Annotations relating to Authenticity:
(1) A key component of creating the public archive of information is the efficient capture and curation of the data – data processing. Data processing consists of data deposition, annotation and validation. (p235);
(2) All aspects of data processing, including communications with the author, are recorded and stored in the correspondence archive. This makes it possible for the PDB staff to retrieve information about any aspect of the deposition process and to closely monitor the efficiency of PDB operations. (p236);
(3) The information content submitted by the depositor is likely to change as new methods for data collection, structure determination and refinement evolve and advance. In addition, the ways in which these data are captured are likely to change as the software for structure determination and refinement produce the necessary data items as part of their output. ADIT, the data input system for PDB, has been designed so as to easily incorporate these likely changes. (p236-237)

Reliability Quotes: **Relevance:** **Relevant**

Selected Annotations relating to Reliability:
(1) A key component of creating the public archive of information is the efficient capture and curation of the data – data processing. Data processing consists of data deposition, annotation and validation. (p235);
(2) All aspects of data processing, including communications with the author, are recorded and stored in the correspondence archive. This makes it possible for the PDB staff to retrieve information about any aspect of the deposition process and to closely monitor the efficiency of PDB operations. (p236);
(3) The information content submitted by the depositor is likely to change as new methods for data collection, structure determination and refinement evolve and advance. In addition, the ways in which these data are captured are likely to change as the software for structure determination and refinement produce the necessary data items as part of their output. ADIT, the data input system for PDB, has been designed so as to easily incorporate these likely changes. (p236-237)

Accuracy Quotes: **Relevance:** **Relevant**

Selected Annotations relating to Accuracy:

(1) The information content submitted by the depositor is likely to change as new methods for data collection, structure determination and refinement evolve and advance. In addition, the ways in which these data are captured are likely to change as the software for structure determination and refinement produce the necessary data items as part of their output. ADIT, the data input system for PDB, has been designed so as to easily incorporate these likely changes. (p236-237);
(2) In almost all cases, serious errors detected by these checks are corrected through annotation and correspondence with the authors. (p237);
(3) A key goal of the PDB is to make the archive as consistent and error-free as possible. (p238)

Metadata Quotes:	**Relevance:** Not Relevant
Policy Quotes:	**Relevance:** Not Relevant

Citation No.: 32
Date Created: 01-Dec-2003
Focus Group: 2
Last Modified: 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Berwick, D.M. (2003). "Errors today and errors tomorrow," The New England journal of medicine 348(25):2570-2572.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 33 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Burns, C.M. and Williams, R.F. (1995). "Managing electronic records," National Conference on Managing Electronic Records (MER'95), (Chicago, IL: Cohasset Associates, Inc.)

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 34 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 19-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): Claire Lysnes

Citation Bibliographic Information

Calloway, M., Morrisey, J.P. and Paulson, R.I. (1993). "Accuracy and Reliability of Self-Reported Data in Interorganizational Networks," Social Networks 15(4):377-398.

Web Source Link:

General Notes: **Overall Relevance:** Not Relevant

Not appropriate for InterPARES II as article discusses social and professional, not computer, networks existing within and between organizations. While the results of the study focus on issues of reliability and accuracy of self-reported data, in no instance is this data mentioned as electronic. In addition, maintenance and integrity of such data over time is not considered, thus again making this article incompatible with InterPARES' focus on authenticity of electronic records.

Authenticity Quotes: **Relevance:** Not Relevant

Reliability Quotes: **Relevance:** Not Relevant

Accuracy Quotes: **Relevance:** Not Relevant

Metadata Quotes: **Relevance:** Not Relevant

Policy Quotes: **Relevance:** Not Relevant

Citation No.: 35 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Geosciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

CEN (1996). Draft European Standard, PrEN 12656: "Geographic information - Data description - Quality," (Brussels, Belgium: European Committee for Standardisation)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 36 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Chan, D.C. (1998). "Canadian Government Information Locator Service (GILS): an evaluation of the presentation, accuracy, and completeness of GILS records," Canadian Journal of Information and Library Science/Revue Canadienne des Sciences de l'Information et de Bibliotheconomie 23(4):1-27.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 37 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Chapman, K.G. (1998). "Way forward," Pharmaceutical Technology (USA) 22(September):44, 46, 48, 50, 52.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 38 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Chao, H.M., Hsu, C.M. and Miaou, S.G. (2002). "A data-hiding technique with authentication, integration, and confidentiality for electronic patient records," IEEE Transactions on Information Technology in Biomedicine 6(1):46-53.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 39 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Chousiadis, C., Marvridis, I.K. and Pangalos, G.I. (2002). "An authentication architecture for healthcare information systems," Health Informatics Journal 8(4):199-204.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 40 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Chwat, A. (1987). "Privacy interests in criminal records: accuracy and dissemination," Annual Survey of American Law 1986(3):545-567.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 41
Date Created: 01-Dec-2003
Focus Group: 2
Last Modified: 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): Babak Hamidzadeh

Citation Bibliographic Information

Clemens, R.A. (2002). "Electronic records and the food industry," Food Technology 56(4):24-24.

Web Source Link:

General Notes: **Overall Relevance:** **Marginally Relevant**

This brief article states the need for record keeping in the food industry. It points out that there are currently no firm record keeping mandates. The author suggests that the food industry should be proactive in adopting record keeping practices and that it can follow the pharmaceutical industry practices in this area. The author points out that the food industry record keeping will involve many linked record types, such as ingredient certificates of analysis, process controller records, quality assurance data, quality control assessment records, shelf life evaluations and shipping manifests. Steps to follow in managing records are suggested. These include conducting an evaluation of current practices and developing a plan for assessment and remediation of faults and deficiencies. The authors suggest conducting inventories of electronic records and computer systems, determining system needs using gap analysis, and developing and following a remediation plan to fill the gaps. Reliability and accuracy issues are not discussed.

Authenticity Quotes:	**Relevance:** **Not Rated**
Reliability Quotes:	**Relevance:** **Not Relevant**
Accuracy Quotes:	**Relevance:** **Not Relevant**
Metadata Quotes:	**Relevance:** **Not Relevant**
Policy Quotes:	**Relevance:** **Not Relevant**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 42
Focus Group: 2
Science Field(s): Geosciences
Annotator(s): Claire Lysnes

Date Created: 01-Dec-2003
Last Modified: 30-Apr-2004

Citation Bibliographic Information

Clement, B.M. ([n.d. given]). "Reliability of polarity transition records from deep-sea sediments," 1996 Fall Meeting of the American Geophysical Union,

Web Source Link:

General Notes:

Overall Relevance: **Marginally Relevant**

Published as: Clement, B.M. (2000). Assessing the fidelity of palaeomagnetic records of geomagnetic reversal. Philosophical Transactions – Royal Society of London, 358, 1049-1064.

Interpretation of palaeomagnetic records of polarity transitions has been a chief obstacle to the study of geomagnetic polarity reversals. Clement (2000) states that it is crucial to evaluate the extent to which a recorder has succeeded in documenting transitional field behaviour. He proposes that this is a difficult task as each palaeomagnetic recorder filters the record in ways that are not well comprehended. For instance, palaeomagnetic recorders fail to capture all details because for each recorder there is likely a cutoff beyond which higher-frequency (sediments) or lower-frequency (lavas) information is not recorded.

Clement (2000) himself desired to test temporal resolution of polarity transition records using a variety of methods and asked whether differences were a result of the different resolution with which the sediments have recorded the field or whether differences meant that the recording was simply unreliable. He found that, if the analysis indicated that the full polarity data was not significantly different from a random selection of directions about a mean, that the interpretation of rapid reversal was not warranted. On the other hand, if the analysis indicated that a significant interval was required to average out variation that occurred throughout an age or century, field variations may be interpreted (Clement, 2000).

Although Clement (2000) does not discusses reliability or authenticity per se, this article may be important to InterPARES II in a peripheral sense as it examines the perseverance of palaeomagnetic records over sequential periods of time. For the terminology group: the words “reliability and authenticity” do not appear in the article.

Authenticity Quotes:

Relevance: **Not Relevant**

Reliability Quotes:

Relevance: **Not Relevant**

Accuracy Quotes:

Relevance: **Marginally Relevant**

“The first measure of the accuracy of a polarity transition record must be the accuracy with which it records the Earth’s magnetic field during full polarity intervals when the field is strong. Only after it is shown that the material accurately records the field when it is strong should the transitional directions, recorded when the field is considerably weaker, be interpreted.” (Clement, 2000, p. 1049). Records: “…the more smoothly varying record is the one that provides the better record of secular variation.” (Clement, 2000, p. 1063).

Metadata Quotes:

Relevance: **Not Relevant**

Policy Quotes:

Relevance: **Not Relevant**

Citation No.: 43 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Geosciences, Mathematical and Physical Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

[no author given] (1999). "Committee on Geophysical and Environmental Data, National Research Council," Review of NASA's Distributed Active Archive Centers, , 156 pp.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 44 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Health Canada (2000). "Audit of Health Canada's record controls: A, examination of the Office of the Health Information Highway (OHIH) and the Health Promotion and Programs Branch (HPPB) record environments : B, OHIH status report and action plan : C, HPPB status report and act," Conducted by Information Management and Technology Consultants, & under the direction of the Internal Audit Directorate, Health Canada (Internal audit report /Canada. Health Canada), (Ottawa, ON: Health Canada, Audit & Accountability Bureau)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 45 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): Claire Lysnes

Citation Bibliographic Information

Corkhill, M. (2001). "Keeping track: electronic health records," Collegian 8(4)

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

As of November 27/03, waiting on a copy from the National Library of Medicine

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 46 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

[no author given] (1986). "Court holds that Privacy Act requires federal agencies to maintain accurate records," Information Hotline 18(5):1,13-14.

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 47 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Craig, J. (2000). "Bill C-6 : Personal Information Protection and Electronic Documents Act--Rev," (Ottawa, ON: Library of Parliament, Parliamentary Research Branch)

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

(Legislative summary / Canada. Parliamentary Research Branch, & LS-344E)

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 48 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences, Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Crivelli, S.L. (2001). "Electronic records/signatures ruling and the impact on computer databases in the pharmaceutical industry," Abstracts of Papers of the American Chemical Society S 221(April):25-TECH Part 1.

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 49 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Crocker, C.A. (1998). "The official version: authenticating, preserving and citing legal information in digital form," International Journal of Legal Information 26(1-3):23-38.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 50 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Cullen, C.T. (2000). Authenticity in a digital environment. (2000). Workshop, (Washington, DC: Council on Library and Information Resources)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 51 **Date Created:** 01-Dec-2003

Focus Group: 2 **Last Modified:** 15-Apr-2004

Science Field(s): Social, Behavioral, and Economic Sciences

Annotator(s): [not yet annotated]

Citation Bibliographic Information

Cunningham, T.R. (1995). "Increasing the Utility of the Criminal History Record: Report of the National Task Force. Findings, Recommendations," Rep. No. PB96138672 (Sacramento, CA: SEARCH Group, Inc. Sponsor: Bureau of Justice Statistics, Washington, DC)

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 52
Date Created: 01-Dec-2003
Focus Group: 2
Last Modified: 15-Apr-2004
Science Field(s): Geosciences
Annotator(s): Claire Lysnes

Citation Bibliographic Information

Curran, P.J. and Williamson, H.D. (1985). "The accuracy of ground data used in remote-sensing investigations," International Journal of Remote Sensing 6(10):1637-1651.

Web Source Link:

General Notes: **Overall Relevance:** **Marginally Relevant**

While not exploring issues of reliability and accuracy in relation to authenticity, Curran and Williamson (1985) address the considerations that are necessary for collection of reliable ground data and remotely sensed data. Two important features of remotely sense data, according to Curran and Williamson (1985), are its ability to provide a synoptic view of a large area of terrain at one moment in time and its ability to estimate the size of the certain environmental variables such as vegetation amount and soil moisture. However, Curran and Williamson (1985) indicate a problem with such studies: error in the ground data used for calibration and accuracy testing. Results gathered from a review of the literature and the conclusions of a number of pilot studies have shown that variability of up to 40% in the measurement of both remotely sense data and ground data was to be expected during what one can view as the life-cycle creation of such records.

While making recommendations for avoiding or decreasing such errors in the future, Curran and Williamson (1985) neglect to consider how current data containing such errors effect the trustworthiness of such remote sensing records and impact the records management practices of the field.

For the terminology group: the words “reliability and authenticity” do not appear in the article.

Authenticity Quotes: **Relevance:** **Not Relevant**

Reliability Quotes: **Relevance:** **Marginally Relevant**

(1) “Not surprisingly, these error-ridden, but, we suggest, not atypical data sets could not be used to estimate ground conditions with a reasonable level of accuracy.” (Curran & Williamson, 1985, p. 1649),
(2) “In future studies of this kind it is recommended that fewer ground-resolution elements be sampled, as relatively few highly accurate ground measurements would provide a better estimate of GLAI than would a greater number of less accurate measurements.” (Curran & Williamson, 1985, p. 1649).

Accuracy Quotes: **Relevance:** **Not Relevant**

Metadata Quotes: **Relevance:** **Not Relevant**

Policy Quotes: **Relevance:** **Not Relevant**

Citation No.: 53 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Dales, R., Ernst, P., Hanley, J. and Becklake, M.R. (1985). "Dealing with measurement error in longitudinal lung function data," American Lung Association, American Thoracic Society, Congress of Lung Association Staff 1985 Annual Meeting,

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 54 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): Claire Lysnes

Citation Bibliographic Information

Damle, C.B. (1988). "Problem of Reliability of Official Data," Other Sociology 1(1):2.

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

The Damle article from Other Sociology was not available anywhere. The ILL & DD assistant searched beyond, the regular Amicus, Cisti, Worldcat route, however it is an Indian publication, and is not even available at the British Library. In addition, Indian library catalogues are not public access, so after consulting with her supervisor the search was abandoned.

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 55 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Danos, J., Sriram, R.S. and Weiner, S. (1995). "The IRS regulatory implications of electronic record keeping," The CPA Journal 65(11):46(5).

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 56 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Davila, M. (1995). "FTA Task Force on Electronic Data Interchange: a status report," Tax Executive 47(5):384-386.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 57 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Davis, J.R., et al., (eds.) (1999). "Assuring Data Quality and Validity in Clinical Trials for Regulatory Decision Making: Workshop Report," Roundtable on Research and Development of Drugs, Biologics, and Medical Devices, Institute of Medicine, 1999,

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 58 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

De Meyer, F. and RAMIT (Research in Advanced Medical Informatics and Telematics) vzw (n.d.). "SEMRIC (Secure Medical Record Information Communication). Belguim,"

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 59 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

De Meyer, F., Lundgren, P., de Moor, G. and Fiers, T. (1998). "Determination of user requirements for the secure communication of electronic medical record information," Int. J. Med. Inf. 49(1):125-130.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 60 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Demlo, L.K., Campbell, P.M. and Brown, S.S. (1978). "Reliability of Information Abstracted from Patients' Medical Records," Rep. No. HRP00288043 (Washington, DC: Institute of Medicine)

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 61 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Devitt, J.H., Rapanos, T., Kurrek, M., Cohen, M.M. and Shaw, M. (1999). "The anesthetic record: Accuracy and completeness," Canadian Journal of Anaesthesia 46(2):122-128.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 62 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Diallo, I., Zeitlin, M., Mareck, T. and Djibril, C. (1999). "Validity and reliability of growth chart data in the evaluation of the community nutrition program in Senegal," 127th Annual Meeting of the American Public Health Association,

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 63 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Dollar, C.M. (2000). "Authentic electronic records: strategies for long-term access," Archifacts Oct:69-72.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 64 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Dow, W.H., Kaluzny, A.D., Park, K., Park, Y. and Shin, E. (2003). "Disease coding errors by health care organizations: effects of a government quality intervention," International Journal of Health Planning and Management 18(2):151-159.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 65 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Duff, W. (2001). "Issues of authenticity, social accountability, and trust with electronic records," Information Society 17(4):229-231.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 66
Date Created: 01-Dec-2003
Focus Group: 2
Last Modified: 28-Apr-2004
Science Field(s): Geosciences
Annotator(s): [no annotator given]

Citation Bibliographic Information

Duncan, I.J. (2001). "Authorship, authenticity, integrity, preservation and liability aspects of digital geologic products," Geological Society of America, annual meeting,

Web Source Link:

General Notes: **Overall Relevance:** **Not Rated**

Digital Geologic Products (DGP's) provide a key means to communicate the societal value of to geology to stakeholders (who ultimately influence funding). DGP's also are a way to provide geologic information in a format that can be readily used by non-geologic professionals. The opinions of focus groups of customers for geologic data analyzed by the USGS lead to the conclusion that "the demand for digital maps is strong, diverse and far exceeds current production". The viability of DGP's as a replacement for traditional paper based products, requires resolution of the issues of authorship, authenticity, integrity and preservation. In addition DGP's have significant liability if the misuse of the data could lead to poor decisions and possible adverse outcomes. An approach to authorship of DGP's is proposed that is rooted in the traditional concepts of taking responsibility for part of the product. The responsibility taken by the geologic and digital authors can be detailed in the metadata. Metadata has also been proposed as a way of ensuring the authenticity and integrity of digital geologic maps. A random sample of 100 published metadata has been critically assessed in this context and found to be inadequate for these purposes. Similarly the metadata surveyed failed to address data quality issues in such a way that the liability associated with digital products is even minimally mitigated. A geologic metadata profile is proposed that focuses on a standardized approach to lineage and data quality. Such an enhanced metadata, combined with creation of a National Digital Geologic Product Standard forms the basis for addressing preservation issues as well as authenticity, integrity and liability issues. (emailed Duncan requesting paper)

Authenticity Quotes: **Relevance:** **Not Rated**

Reliability Quotes: **Relevance:** **Not Rated**

Accuracy Quotes: **Relevance:** **Not Rated**

Metadata Quotes: **Relevance:** **Relevant**

An approach to authorship of DGP's is proposed that is rooted in the traditional concepts of taking responsibility for part of the product. The responsibility taken by the geologic and digital authors can be detailed in the metadata. Metadata has also been proposed as a way of ensuring the authenticity and integrity of digital geologic maps. A random sample of 100 published metadata has been critically assessed in this context and found to be inadequate for these purposes. Similarly the metadata surveyed failed to address data quality issues in such a way that the liability associated with digital products is even minimally mitigated. A geologic metadata profile is proposed that focuses on a standardized approach to lineage and data quality. Such an enhanced metadata, combined with creation of a National Digital Geologic Product Standard forms the basis for addressing preservation issues as well as authenticity, integrity and liability issues.

Policy Quotes: **Relevance:** **Not Rated**

Citation No.: 67 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Duranti, L. (2001). "Concepts, principles, and methods for the management of electronic records," Information Society 17(4):271-279.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 68 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Duranti, L. (1999). "Concepts and principles for the management of electronic records: or records management theory is archival diplomatics," Records Management Journal 9(3):153-175.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 69 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Duranti, L. (1997). "The preservation of the integrity of electronic records," Insar Supplement – Brussels 2:60-65.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 70 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Duranti, L. (1995). "Reliability and authenticity: the concepts and their implications," Archivaria 39:5-10.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 71 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Duranti, L., Eastwood, T. and University of British Columbia. (n.d.). "Preservation and integrity of electronic records," [UBC?] Project,

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 72 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Duranti, L. and MacNeil, H. (1997). "Come proteggere l'integrita dei documenti elettronici: una panoramica della ricerca condotta all'universita del British Columbia. [Protecting the integrity of electronic documents: an overview of the research conducted at the University of British Columbi," Archivi and Computer 7(3):119-144.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 73 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Duranti, L. and MacNeil, H. (1996). "Protecting Electronic Evidence: A Third Progress Report on a Research Study and its Methodology," Archivi and Computer 5:343-403.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 74 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Duranti, L. and MacNeil, H. (1996). "The protection of the integrity of electronic records: an overview of the UBC-MAS research project," Archivaria 42:46-67.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 75 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Department of Justice, United States (1997). "Early Experience with Criminal History Records Improvement," Rep. No. NCJ152977; PB2000105117 (Washington, DC: Bureau of Justice Assistance; Department of Justice)

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 76 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Department of Justice, United States (2000). "Early Experiences with Criminal History Records Improvement," Rep. No. PB2001100408 (Washington, DC: Bureau of Justice Statistics; Department of Justice)

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 77 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Eastwood, T. (1996). "Reliable and authentic electronic records," Proceedings of the Ninth Annual Meeting of the American Society for Information Science, Baltimore, Maryland, 21-24 Oct 1996, , edited by Steve Hardin (Medford, NJ: Information Today, Inc., for American Society for Information Science) pp. 157-172.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 78 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Edwards, P., Clarke, M., DiGuiseppi, C., Pratap, S., Roberts, I. and Wentz, R. (2002). "Identification of randomized controlled trials in systematic reviews: accuracy and reliability of screening records," Statistics in medicine 21(11):1635-1640.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 79 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Edwards, R., Telfair, J., Cecil, H. and Lenoci, J. (1999). "Reliability and validity of a self-efficacy instrument specific to adults with sickle cell disease," 127th Annual Meeting of the American Public Health Association,

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 80 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Ehrenberg, A. and Ehnfors, M. (2001). "The accuracy of patient records in Swedish nursing homes: congruence of record content and nurses' and patients' descriptions," Scandinavian journal of caring sciences 15(4):303-310.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 81 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 21-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): Erin O'Meara

Citation Bibliographic Information

Eiteljorg, H. (1998). "Archiving archeological data in the next millennium.," CRM [bulletin] 21(6):21-23.

Web Source Link:

General Notes: **Overall Relevance:** **Marginally Relevant**

This is a good, but brief article that can give the reader some insight into the archaeologist's perspective on recordkeeping, especially with the advent of electronic records. Eiteljorg illustrates his concerns for the preservation of archaeological records and stresses the fragility of these in electronic form. His main concerns are ease of use and security, & he stresses the active role that the "excavation director" should have regarding the recordkeeping practices on any project and their responsibility regarding the organization and disposition of the records ("…[Excavation] directors must make certain that the data files created are in useful, modern formats and can be moved, if necessary, to standard formats for archival storage or data transfer.").

The article contains flawed assumptions regarding the actual recordkeeping practices in place in archaeological projects (His assumption: "In short, I as supplier of the data, must have supplied considerable documentation along with the data files.").

He calls metadata "documentation" and suggests that the director pull the metadata together at the end of the project. This article serves as a primer for archaeologists into the realm of the management of their electronic records.

Quotes for the Terminology group: (1) "Nonetheless, there are special problems with computer archives that should concern all archeologists, issues that affect the ease which data can be retrieved and more important, the security of data in an archive." p. 21.

Authenticity Quotes: **Relevance:** **Not Relevant**

Reliability Quotes: **Relevance:** **Marginally Relevant**

(1) "Nonetheless, there are special problems with computer archives that should concern all archeologists, issues that affect the ease which data can be retrieved and more important, the security of data in an archive." p. 21.

Accuracy Quotes: **Relevance:** **Not Relevant**

Metadata Quotes: **Relevance:** **Marginally Relevant**

He calls metadata "documentation" and suggests that the director pull the metadata together at the end of the project.

Policy Quotes: **Relevance:** **Not Relevant**

Citation No.: 82 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

American Society for Testing and Materials (1996). "Electronic Authentication of Health Care Information," (ASTM Standard), Rep. No. ASTME176295 (West Conshohocken, PA: American Society for Testing and Materials)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 83 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

General Services Administration, United States (1990). "Electronic Forms and Authentication Practices," Rep. No. PB95250577 (Washington, DC: Information Resources Management Service; General Services Administration)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 84 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

[no author given] (2000). Electronic records; European citizens and electronic information. Insar Supplement, vol. 4, (Brussels, Belgium

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 85 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Information and Privacy Commissioner, Toronto (1997). "Electronic records: maximizing best practices.," (Toronto, ON: Information & Privacy Commissioner), 19 pp.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 86 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Institute of Validation Technology (2000). Electronic records & signatures, (Philadelphia, PA: Institute of Validation Technology)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 87 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Engel, A. and Wettengel, M. (2000). "Archiving the united Germany: II. Disposition and archiving of authentic electronic records in the new Germany's Information Network Berlin-Bonn," Records Management Bulletin 96(20-25)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 88 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Engineering
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Etherton, J.R. (1987). "Automated maintainability records and robot safety," 1987 Annual Reliability and Maintainability Symposium,

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 89 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

[author not given] (2002). "European conference on health records: managing health information in the 21st century," Irish Journal of Medical Science - Supplement 171(3; SUPPL 1)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 90 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

General Accounting Office, United States (1999). "Financial Management: Better Controls Essential to Improve the Reliability of DOD's Depot Inventory Records," Rep. No. GAOAIMD99132; ADA365536 (Washington, DC: Accounting and Information Management Div; General Accounting Office)

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 91 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Ford, M.D. (1998). "Identity authentication and "e-commerce"," Journal of Information, Law and Technology 3(Oct 30):[no pagination given].

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 92 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Mathematical and Physical Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Forsen, H. and Tarvainen, V. (2000). "Accuracy and functionality of hand held wood moisture content meters," VTT Publications, pp. 79 + 17.

Web Source Link:

General Notes: **Overall Relevance:** **Not Relevant**

Not appropriate -deals with the accuracy, reliability of instruments not records, data, information.

Authenticity Quotes:	**Relevance:** **Not Relevant**
Reliability Quotes:	**Relevance:** **Not Relevant**
Accuracy Quotes:	**Relevance:** **Not Relevant**
Metadata Quotes:	**Relevance:** **Not Relevant**
Policy Quotes:	**Relevance:** **Not Relevant**

Citation No.: 93 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

France, F.H.R. (1996). "Control and use of health information: A doctor's perspective," International journal of bio-medical computing 43(1-2):19-25.

Web Source Link:

General Notes:	**Overall Relevance:** **Not Rated**
Authenticity Quotes:	**Relevance:** **Not Rated**
Reliability Quotes:	**Relevance:** **Not Rated**
Accuracy Quotes:	**Relevance:** **Not Rated**
Metadata Quotes:	**Relevance:** **Not Rated**
Policy Quotes:	**Relevance:** **Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 94 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

France, F.H.R., et al. (2000). "Long Term Preservation of Electronic Health Records Recommendations in a Large Teaching Hospital in Belgium," Studies in Health Technology and Informatics (77):632-636.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 95 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Frappaolo, C. (1996). "Ten basics of electronic document management," Managing Office Technology 41(6):39(2).

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 96 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Gallegos, J., Hamilton, V., Gaylor, T., McCurley, K. and Meeks, T. (1996). "Information integrity and privacy for computerized medical patient records," Rep. No. SAND962344; DE97000040 (Albuquerque, NM: Sandia National Labs)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 97 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Geiger, G., Lowe, N. and Gordon, D. (1998). "Confidentiality and Data Integrity for Electronic Patient Records: More Than Just A Password," Toward an Electronic Patient Record, UME 2 Proceedings, pp. 206-211.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 98 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Geosciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

European Committee for Standardisation (1996). Draft European Standard, PrEN 12656: "Geographic information - Data description - Quality," (Brussels, Belgium: European Committee for Standardisation)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 99 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences, Mathematical and Physical Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

General Accounting Office, United States (1984). "National Aeronautics and Space Administration's first-year implementation of the Federal Managers' Financial Integrity Act," Rep. No. PB84-188770; GAO/NSIAD-84-100; B-202205 (Washington, DC: General Accounting Office)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 100 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Glenn, A. and Millman, D. (1998). "Access management of web-based services: an incremental approach to cross-organizational authentication and authorization," D-Lib Magazine (Sept)

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 101 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Goldberg, I.V. (2000). "Electronic medical records and patient privacy," Health Care Manager 18(3):63-69.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 102 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

[author not given] (2002). "Good electronic records management (GERM)," (Tampa, FL and Bethesda, MD: ISPE, & PDA)

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

(can't obtain through Yale ILL)

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 103 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Gostin, L.O. (1995). "Privacy and security of health information in the emerging health care system," Health matrix 5:1-36.

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 104 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Gould, R. (2002). "Reliability, Security, and Authenticity of Meta Medical Image Archive for the Integrated Healthcare Enterprise," Rep. No. ADA415805 (San Francisco, CA: Regents of the Univ. of California)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 105 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Grant, R.J., Gregor, M.A., Maio, R.F. and Huang, S.S. (1996). "The Accuracy of Medical Records and Police Reports in Determining Motor Vehicle Crash Characteristics," Annual Proceedings- Association for the Advancement of Automotive Medicine, (CONF 40), pp. 463-476.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 106 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

National Archives of Canada (1988). "Guidelines on computer-assisted records management," (Ottawa, ON: National Archives of Canada, Government Records Branch), 60 pp.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 107 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Manitoba Education and Training (1993). "Guidelines on the retention and disposition of school division/district records," (Winnipeg, MB: Manitoba Education and Training.), 14 pp.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 108 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Guite, H.F. and Burney, P.G.J. (1996). "Accuracy of recording of deaths from asthma in the UK: The false negative rate," Thorax 51(9):924-928.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 109 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Mathematical and Physical Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Guptil, C.G. and Morrison, J.L. (eds.) (1995). Elements of Spatial Data Quality, (Oxford, UK: Elsevier Science, Ltd.)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 110 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Hage, C. (1997). "Information security for interacting with governments electronically," Government Information Insider 6:10-12.

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 111 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Hagland, M. (1997). "Confidence and confidentiality," Health Management Technology 18(12):20(5).

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

(electronic medical records' privacy and security issues) (includes related article on the Health Insurance Portability Act of 1996)

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 112 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Hains, D. (1994). "Authentication: a prominent issue for data communications," Information Management and Computer Security 2(1):25-27.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 113 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

United Nations (1998). "Handbook on Civil Registration and Vital Statistics Systems: Policies and Protocols for the Release and Archiving of Individual Records," Rep. No. ISBN9211614007; UN0733 (New York City, NY: United Nations)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 114 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Hardjono, T., Zheng, Y.L. and Seberry, J. (1994). "Database Authentication Revisited," Computers & Security 13(7):573-580.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 115 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Harris, M.R., Ruggieri, A.P. and Chute, C.G. (2003). "From clinical records to regulatory reporting: formal terminologies as foundation," Health Care Financing Review 24(3):103(18).

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 116 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

[no author given] (2001). "Harvard doctors say patients' additions help keep medical records straight," Internet Medicine: A Critical Guide 6(3):4-5.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 117 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Harn, L., Lin, H. and Yang, S. (1992). "A software authentication system for information integrity," Computers & Security 11(8):747-752.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 118 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Hartmann, J. (2001). "Analysis of Maintenance Records to Support Prediction of Maintenance Requirements in the German Army," Ph.D. diss., Naval Postgraduate School, Monterey, CA, 111 pp.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 119 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Mathematical and Physical Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Hassan, B. (2003). "Examining data accuracy and authenticity with leading digit frequency analysis," Industrial Management and Data Systems 103(1and2):121-125.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 120 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Hassey, A., Gerrett, D. and Wilson, A. (2001). "A survey of validity and utility of electronic patient records in a general practice," British medical journal 322(7299):1401-1405.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 121 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Hassey, A., Sullivan, F. and Thiru, K. (2003). "Systematic review of scope and quality of electronic patient record data in primary care," British medical journal 326(7398):1070-1072.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 122 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

[no author given] (1999). "Has the completeness and accuracy of computer medical records in general practice improved in the last five years? The report of a two-practice pilot study," Shimr - 4th International Symposium, pp. 49-60.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 123 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

NTIS (1994). Health records: social needs and personal privacy, (Washington, DC: NTIS, PB REPORTS)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 124
Date Created: 01-Dec-2003
Focus Group: 2
Last Modified: 09-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Hedstrom, M. (1993). "Electronic records management program strategies: An Assessment," Electronic records management program strategies. Archives and Museum Informatics Technical Report, vol. 18, , edited by Hedstrom, M. pp. 1-11.

Web Source Link:

General Notes:
Overall Relevance: **Not Rated**

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Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 125
Focus Group: 2
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]
Date Created: 01-Dec-2003
Last Modified: 15-Apr-2004

Citation Bibliographic Information

Hiddema-Van de Wal, A., Smith, R., van der Werf, G.T. and Meyboom-De Jong, B. (2001). "Towards improvement of the accuracy and completeness of medication registration with the use of an electronic medical record," Family practice 18(3):288-291.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 126 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Higgins, C.A., McClean, R.J. and Conrath, D.W. (1985). "The Accuracy and Biases of Diary Communication Data," Social Networks 7(2):173-187.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 127 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

General Accounting Office (2002). "HIPAA STANDARDS - Dual Code Sets Are Acceptable for Reporting Medical Procedures," AD-A404803; GAO-02-796, Rep. No. RECON no. 20020074378.; A1: 20030304. (Washington, DC: General Accounting Office)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 128
Date Created: 01-Dec-2003
Focus Group: 2
Last Modified: 07-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): Randy Preston

Citation Bibliographic Information

Hodge, G. (2000). "Digital archiving: bringing stakeholders and issues together," A report on the ICSTI/ICSU Press Workshop on Digital Archiving. ICSTI Forum 33 March 2000, pp. [no pagination].

Web Source Link: http://www.icsti.org/forum/33/ - Hodge

General Notes:
Overall Relevance: **Relevant**

Recognizes that stakeholder groups for digital "archiving" and preservation have broadened beyond archivists and librarians in recent years to include, in particular, creators of technical and scientific records. Workshop included major stakeholder groups including: primary and secondary publishers, librarians, bibliographic system vendor and scientists. Major workshop themes were derived from those identified in the May 1999 study of the state-of-the-art and practice of digital archiving sponsored by ICSTI and CENDI, a group of United States federal scientific and information managers. These themes included Models for Digital Archiving, the Economics of Sustainable Archives, and Standards and Best Practices.

Models for Digital Archiving

1) The Open Archival Information System (OAIS) Reference Model: a high level design, based on standards for metadata and interoperability among systems. The Networked European Depository Libraries (NEDLIB) project of the European Union noted that the OAIS, as originally developed, is missing the key archival function of "preservation," which NEDLIB identifies as "the migrating of objects over time to ensure long-term access."

2) The Open Archive Initiative (OAI), also called the Santa Fe Agreement, is intended to provide standards and guidelines for the interoperability of e-print archives. As institutional and discipline related archives proliferate, it will be necessary to move information from one archives to another. This is also key to the efficient movement of information from e-print archives that are of a current nature and digital archives that provide for long-term access. OAI is based on a protocol called Dienst which negotiates various metadata schemes, including Dublin Core, and local schemes using a "lingua franca." It is based on a 2-layer archive. The first layer is the metadata itself; the second is the content.

3) The identification and location of digital archives is a major issue that must be solved in any model that will support future access by a variety of users. In the context of electronic journals and other serial archives, the ISSN International Centre has undertaken a pilot project to create an Electronic Archive Registry. The basis for this registry is the development of an ISSN Name Space within the context of the Uniform Resource Name (URN) scheme. The system uses the ISSN for an electronic serial resource as the key to a resolution service that would provide bibliographic information about the serial resource and a persistent location for its digital archive.

Economics of Sustainable Archives

--Not applicable

Standards and Best Practices

Best practices include issues such as legal deposit, metadata, version control and authentication, and the integration of data and text.

Emphasizes that digital preservation of raw scientific data and other information types (as opposed to traditional text and journal articles) adds new challenges to the preservation issue. There is a lack of standards and practices for archiving in the scientific data community. The information management flow for data is not itself well standardized. A major issue is the historic differentiation between publications and data. In the past, the stewardship of the print publication was the responsibility of publishers and then libraries. The stewardship of the data generally fell to the individual scientist, and perhaps the sponsoring organization. The print environment dictated this, since the data and publication were often created and stored in different systems and on different media. However, in the digital environment they are all digital objects. Yet, little thought has been given to integrating the information life cycle management, including the archiving and preservation, for these two aspects of scientific output.

Authenticity Quotes: **Relevance:** Marginally Relevant

1) "Best practices include issues such as legal deposit, metadata, version control and authentication, and the integration of data and text."

Reliability Quotes: **Relevance:** Not Relevant

Accuracy Quotes: **Relevance:** Not Relevant

Metadata Quotes: **Relevance:** Relevant

1) "The Open Archival Information System (OAIS) Reference Model is a high level design, based on standards for metadata and interoperability among systems. The key is to identify the functions to be performed and the high-level metadata structure to support these functions. "

2) "The Santa Fe Agreement... is based on a protocol called Dienst. This protocol negotiates various metadata schemes, including Dublin Core, and local schemes using a "lingua franca." It is based on a 2-layer archive. The first layer is the metadata itself; the second is the content."

Policy Quotes: **Relevance:** Not Relevant

Citation No.: 129 **Date Created:** 01-Dec-2003

Focus Group: 2 **Last Modified:** 15-Apr-2004

Science Field(s): Biological Sciences

Annotator(s): [not yet annotated]

Citation Bibliographic Information

Hodge, J.G., Gostin, L.O. and Jacobson, P.D. (1999). "Legal Issues Concerning Electronic Health Information: Privacy, Quality, and Liability," Journal of the American Medical Association 15:1466-1471.

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 130 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Engineering, Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Hogue, C. (2001). "Industry Frowns on Data-Storage Plan," Chemical & Engineering News 79(43):47-48.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 131 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Engineering
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Holmes, P. (2000). "Implementing electronic document management on a major nuclear design and build project," Nuclear Engineer 41(5):149-153.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 132 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Houser, W.R. (1991). "Finding the key to keeping records private," Government Computer News 10(17):105(1).

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

(ways to protect the confidentiality of electronic messages on private networks).

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 133 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

[no author given] (2001). "How do you know it's the real thing? authentic documents in the electronic age," Quaderni Della Rassegna Degli Archivi Di Stato, (93). Conference Proceedings,

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 134 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Huber, L. (2000). "Implementing 21 CFR Part 11 in analytical laboratories: Part 1, Overview and requirements," Biopharm 12(11):28-34.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 135 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Engineering?, Geosciences?, Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Hull, T.J. (1999). "Electronic records relevant to research on mining," Prologue Quarterly of the National Archives 31(2):100-109.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 136 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Husson, G. and Herrinton, L.J. (2000). "How accurately does the medical record capture maternal history of cancer?," Cancer Epidemiology Biomarkers & Prevention 9(7):765-768.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 137 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

National Archives of Canada (2000). "Information and records management: competency profile," (Ottawa, ON: National Archives of Canada, Office of Governmental Records), iii, 36 pp.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 138 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Federal Bureau of Investigation, United States (2000). "Improving the Quality and Accuracy of Bias Crime Statistics Nationally," Rep. No. PB2001100273 (Washington, DC: Federal Bureau of Investigation)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 139 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Geosciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

ISO ([n.d. given]). ISO/DIS 19104: "Geographic information - Terminology,"

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 140
Date Created: 01-Dec-2003
Focus Group: 2
Last Modified: 15-Apr-2004
Science Field(s): Geosciences
Annotator(s): [no annotator given]

Citation Bibliographic Information

ISO (2002). ISO 19113:2002: "Geographic information - Quality Principles,"

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

ISO 19113:2002 establishes the principles for describing the quality of geographic data and specifies components for reporting quality information. It also provides an approach to organizing information about data quality.

ISO 19113:2002 is applicable to data producers providing quality information to describe and assess how well a dataset meets its mapping of the universe of discourse as specified in the product specification, formal or implied, and to data users attempting to determine whether or not specific geographic data is of sufficient quality for their particular application. This International Standard should be considered by organizations involved in data acquisition and purchase, in such a way that it makes it possible to fulfil the intentions of the product specification. It can additionally be used for defining application schemas and describing quality requirements.

Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 141
Date Created: 01-Dec-2003
Focus Group: 2
Last Modified: 15-Apr-2004
Science Field(s): Geosciences
Annotator(s): [no annotator given]

Citation Bibliographic Information

ISO ([n.d. given]). ISO/DIS 19114: "Geographic information - Quality evaluation procedures,"

Web Source Link:

General Notes: **Overall Relevance:** **Not Rated**

For the purpose of evaluating the quality of a dataset, clearly defined procedures must be used in a consistent manner. This enables data producers to express how well their product meets the criteria set forth in its product specification and data users to establish the extent to which a dataset meets their requirements. The quality of a dataset is described using two components, a quantitative component and a non-quantitative component.

The objective of this document is to provide guidelines for evaluation procedures of quantitative quality information for geographic data in accordance with the quality principles described by ISO 19113. It also offers guidance on reporting quality information.

This International Standard recognizes that a data producer and a data user may view data quality from different perspectives. Conformance quality levels can be set using the data producer's product specification or a data user's data quality requirements. If the data user requires more data quality information than that provided by the data producer, the data user may follow the data producer's data quality evaluation process flow to get the additional information. In this case the data user requirements are treated as a product specification for the purpose of using the data producer process flow.

The quality evaluation procedures described in this International Standard, when applied in accordance with ISO 19113, provide a consistent and standard manner to determine and report a dataset's quality information.

Authenticity Quotes:	**Relevance:** **Not Rated**
Reliability Quotes:	**Relevance:** **Not Rated**
Accuracy Quotes:	**Relevance:** **Not Rated**
Metadata Quotes:	**Relevance:** **Not Rated**
Policy Quotes:	**Relevance:** **Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 142 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): Tracey Lauriault

Citation Bibliographic Information

Katunda, D.R.M. (2001). "Preservation challenges for Africa's information systems: the case of electronic records," Information Development 17(3):179-183.

Web Source Link:

General Notes: **Overall Relevance:** **Not Rated**

The article discusses preservation challenges faced by developing nations, in particular Africa, in a context where strategies to preserve paper records are considered dismal at best. The paper provides three causes for the lack of preservation - technological instability, a 'wait and see attitude' and the continued importance of paper-based records.

The paper also discussed potential preservation challenges such as technological, managerial, and resource constraints. The paper concludes with a series of recommendations such as including African intellectuals in the preservation debate, the integration of technological and managerial expertise of computer specialists, and the acceptance that preservation strategies for some time to come will have to include both paper and digital media formats.

Authenticity Quotes:	**Relevance:** **Not Rated**
Reliability Quotes:	**Relevance:** **Not Rated**
Accuracy Quotes:	**Relevance:** **Not Rated**
Metadata Quotes:	**Relevance:** **Not Rated**
Policy Quotes:	**Relevance:** **Not Rated**

Citation No.: 143 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Geosciences, Biological Sciences, Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Keatley, K. (1999). "A Review of US EPA and FDA Requirements for Electronic Records," Quality Assurance 7(2):77-89.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 144 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Keatley, K.L. (2002). "Good laboratory practice considerations for electronic records," Capturing and Reporting Electronic Data (824):86-97.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 145 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

National Commission on Migrant Education, United States (1991). "Keeping Up with Out Nation's Migrant Students: A Report on the Migrant Student Record Transfer System. Executive Summary," Rep. No. PB92114875 (Bethesda, MD: National Commission on Migrant Education)

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 146 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Engineering
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Kenny, J. and Evans, J. (1993). "Quality commitment on billing," British Telecommunications Engineering 11(4):279-284.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 147 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Ketelaar, E. (1997). "Can we trust information?," International Information and Library Review 29(3-4):333-338.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 148 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

King, B.J. (1996). "21 CFR 11 and RFID technology--paving the way for paperless manufacturing," Pharmaceutical Technology (USA) 20(November):80, 82, 84, 86.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 149 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences, Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Klein, G.O. (1994). "Smart cards: A security tool for health information systems," International Journal of Bio-Medical Computing 35(SUPPL):147-151.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 150 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Kluge, E.H.W. (1996). "Professional ethics as basis for legal control of health care information," International journal of bio-medical computing 43(1-2):33-37.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 151 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences, Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Koprowski, S.P. and Barrett, J.S. (2002). "Data warehouse implementation with clinical pharmacokinetic/ pharmacodynamic data," International Journal of Clinical Pharmacology & Therapeutics 40(Supplement 1): S14-S29.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 152 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Mathematical and Physical Sciences, Geosciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Kraus, K. and Kager, H. (1994). "Accuracy of derived data in a geographic information system," Computers, Environment and Urban Systems 18(2):87-94.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 153 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Kowlowitz, A. and Kelly, K (1997). "Models for action: developing practical approaches to electronic records management and preservation," Bulletin of the American Society for Information Science 23(5):[no pagination].

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

(Electronic Recordkeeping)

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 154 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Kubiak, A. (1978). "Reliability of Information in Sociological Research: Problems of Methodology and Method," Przeglad Socjologiczny 30:415-416.

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 155 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Kuner, C. and Miedbrodt, A. (1999). "Written Signature Requirements and Electronic Authentication: A Comparative Perspective," EDI Law Review (2-3):143-154.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 156 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Mathematical and Physical Sciences, Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Laberge-Nadeau, C. and Maag, U. (2001). "Data linkage: Strategies used by the Laboratory on Transportation Safety of the Centre for Research on Transportation (CRT) of the Universite de Montreal in its road safety research," (Universite de Montreal, Montreal, QC: Centre de recherche sur les transports. Laboratoire sur la securite des transports), 67 pp.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 157 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Lander, V. (2001). "Emerging trends in strategies for 21 CFR Part 11 compliance," American Laboratory 33(24):17+.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 158 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Larsen, K.E. (1995). Conference on authenticity; Nara conference on authenticity in relation to the World Heritage Convention,

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 159 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Lee, M., Pak, S., Kim, T., Lee, D. Schapiro, A. and Francis, T. (1999). "Electronic commerce, hackers, and the search for legitimacy: a regulatory proposal," Berkeley Technology Law Journal 14(2):839-886.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 160 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Lohan, R. (1996). "For the record: dtat archives, electronic records, access to information and the needs of the research community," Conference Proceedings, (Dublin, Ireland: Institute of Public Administration)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 161 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): Erin O'Meara

Citation Bibliographic Information

Lombard, R.E., et al. (2001). "Preserve: An internet-based systematic character archive and work site," Journal of Vertebrate Paleontology 21(3 Supplement):74A.

Web Source Link:

General Notes: **Overall Relevance:** **Not Relevant**

This is actually just a précis regarding a talk at a conference, so it contains no content to review.

Authenticity Quotes: **Relevance:** **Not Relevant**

Reliability Quotes: **Relevance:** **Not Relevant**

Accuracy Quotes: **Relevance:** **Not Relevant**

Metadata Quotes: **Relevance:** **Not Relevant**

Policy Quotes: **Relevance:** **Not Relevant**

Citation No.: 162 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Lorence, D.P. and Ibrahim, I.A. (2003). "Benchmarking variation in coding accuracy across the United States," Journal of health care finance 29(4):29-42.

Web Source Link:

General Notes: **Overall Relevance:** **Not Rated**

Authenticity Quotes: **Relevance:** **Not Rated**

Reliability Quotes: **Relevance:** **Not Rated**

Accuracy Quotes: **Relevance:** **Not Rated**

Metadata Quotes: **Relevance:** **Not Rated**

Policy Quotes: **Relevance:** **Not Rated**

Citation No.: 163 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Lorence, D.P. and Ibrahim, I.A. (2003). "Disparity in coding concordance: do physicians and coders agree?," Journal of health care finance 29(4):43-53.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 164 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Lorence, D.P. and Jameson, R. (2003). "Managers reports of automated coding system adoption and effects on data quality," Methods of information in medicine 42(3):236-242.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 165 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Lyons, V.T. (2002). "Using digital photographs to teach anatomy," FASEB Journal 16(4):A379 .

Web Source Link: http://www.fasebj.org/

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 166 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Lyons-Burke, K. (2000). "Computer Security: Federal Agency Use of Public Key Technology for Digital Signatures and Authentication ," Rep. No. NISTSP80025; PB2000108037 (Gaithersburg, MD: Computer Security Div; National Inst. of Standards and Technology (NCSL))

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 167 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

MacFarlane, I. (2001). "Authenticity of Electronic Records: The UK Approach: Information Age Government," Quaderni Della Rassegna Degli Archivi Di Stato 93:131-136.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 168 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

MacLatchie, K.P. (1994). "Steps to safeguarding internal control procedures," Journal of Property Management 59:22-24.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 169 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

MacNeil, H. (2001). "Trusting records in a postmodern world," Archivaria 51:36-47.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 170 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Macpherson, P. (2002). "Theory, standards and implicit assumptions: public access to post-current government records," Archives and Manuscripts 30(1):6-17.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 171 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Maggio, J. (1997). "Verifying the authenticity of medical records," National Medical-Legal Journal 8(1):3.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 172 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Maio, B. (1997). "Survey of Key Concepts and Issues for Electronic Recordkeeping," Rep. No. CTGMFA001; ADA362864 (State Univ. of New York at Albany, NY

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 173 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences, Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

McCormack, J.F. (2000). "FDA's electronic records and signatures regulation (21 CFR Part 11)," Abstracts of Papers of the American Chemical Society 220(Part 1)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 174 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

McDowell, D., Dillon, T.W., Conklin, D. and Salimian, F. (1998). "A Preliminary Study: Capturing Perceived Accuracy and Confidentiality of Traditional and Computerized Patient Records," Proceedings of the 4th Americas Conference on Information Systems - Association for Information Systems, pp. 780-783.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 175 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Mathematical and Physical Sciences, Geosciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

McGlamery, P. (2001). "Issues of authenticity of spatial data," Inspel 35(2):137-144.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 176 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences, Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

McRanor, S. (1997). "Maintaining the reliability of aboriginal oral records and their material manifestations: implications for archival practice," Archivaria 43:64-88.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 177 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Meijer, A. (2001). "Electronic records management and public accountability: Beyond an instrumental approach," Information Society 17(4):259-270.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 178 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences, Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Meinert, T.R. (1995). "Use of Record Standards to determine accuracy of lactation records," Publication- European Association for Animal Production 75:147-151.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 179 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Menter, D.G., et al. (2001). "Computerized image analysis of Ki-67 in ductal breast carcinoma in situ," Analytical & Quantitative Cytology & Histology 23(3):218-228.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 180 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences, Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Mullin, R. (2002). "FDA Steps Up Enforcement of Electronic Documentation Rule," Chemical Week 164(17):27.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 181 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Menzel, T. and Schweighofer, E. (1999). "Securing electronic commerce with digital signatures: do digital signatures comply with the legal criteria for the written form and supply equal proof," (United Kingdom: British & Irish Legal Education Technology Association (BILETA))

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 182 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [no annotator given]

Citation Bibliographic Information

Miall, C.E. (1989). "Authenticity and the Disclosure of the Information Preserve: The Case of Adoptive Parenthood," Qualitative Sociology 12(3):279-302.

Web Source Link:

General Notes: **Overall Relevance:** Not Relevant

Not Appropriate -deals with "personal authenticity" gained through information disclosure, not authenticity of the information itself.

Authenticity Quotes: **Relevance:** Not Relevant

Reliability Quotes: **Relevance:** Not Relevant

Accuracy Quotes: **Relevance:** Not Relevant

Metadata Quotes: **Relevance:** Not Relevant

Policy Quotes: **Relevance:** Not Relevant

Citation No.: 183 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 24-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences, Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Miller, D.G. (1981). "How secure are electronic funds transfers?," Cashflow 2:30-34.

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Reviews current and future methods for authenticating and validating key data elements in electronic messages.

Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 184 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Mills, M.E. (2001). "Computer-based health care data and the Health Insurance Portability and Accountability Act: implications for informatics," Policy, Politics, & Nursing Practice 2(1):33-38.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 185
Date Created: 01-Dec-2003
Focus Group: 2
Last Modified: 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [no annotator given]

Citation Bibliographic Information

Moore, R. and Baru, C. (2003). "Virtualization Services for Data Grids," Grid Computing: Making the Global Infrastructure a Reality, ([city not given]: John Wiley & Sons, Ltd.)

Web Source Link:

General Notes: **Overall Relevance:** **Not Rated**

Data Grids provide a set of virtualization services to enable management and integration of digital entities that are distributed across multiple sites and storage systems. Virtualization services include logical name spaces for assigning global, persistent identifiers, and persistency mechanisms to manage technology obsolescence. Since digital entities can be represented as combinations of data, information, and knowledge, the virtualization services provide levels of abstraction for characterizing operations on data repositories (storage systems), information repositories (databases), and knowledge repositories. This chapter provides a survey of concepts that are used for digital entity management and integration in Data Grids (Section 2). The state of the art in data grid technology is discussed, including the design of a persistent archive infrastructure, based upon the convergence of approaches across several different extant Data Grids (Section 3). Approaches to information integration are also described based on data warehousing, database integration, and semantic-based data mediation (Section 4). We conclude in Section 5 with a statement of future research challenges.

Authenticity Quotes:	**Relevance:** **Not Rated**
Reliability Quotes:	**Relevance:** **Not Rated**
Accuracy Quotes:	**Relevance:** **Not Rated**
Metadata Quotes:	**Relevance:** **Not Rated**
Policy Quotes:	**Relevance:** **Not Rated**

InterPARES 2 Annotated Bibliography Citation

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Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Moore, R. and Merzky, A. (2003). "Persistent Archive Capabilities," Global Grid Forum Persistent Archive Research Group, draft 6 on Persistent Archive Recommendations, GGF8, June, 2003,

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

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Science Field(s): Computer and Information Sciences, Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Nakamura, I., et al. (2002). "Introduction of the electronic anesthesia record keeping system," Japanese Journal of Anesthesiology 51(3):307-313.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

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Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

SEARCH Group, Inc. (1992). National Conference on Improving the Quality of Criminal History Records. Proceeding of a BJS/SEARCH Conference. Held in Washington, DC on June 20-21, 1991, Rep. No. NCJ133532; PB92181742 (Sacramento, CA: SEARCH Group, Inc.)

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 189 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 28-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): Randy Preston

Citation Bibliographic Information

National Research Council, United States (2001). "Committee on an Information Technology Strategy for the Library of Congress, Computer Science and Telecommunications Board," LC21: A Digital Strategy for the Library of Congress, (Washington, DC: National Academy Press), xviii+265 pp.

Web Source Link: http://books.nap.edu/books/0309071445/html/index.html

General Notes:

Overall Relevance: **Relevant**

The report provides strategic advice concerning the information technology path that the Library of Congress (LC) should take over the coming decade. The report focuses on the present and future of information systems and technologies that are intimately tied to the mission of the LC; namely, the acquisition, processing, management, storage and preservation of library materials and making those materials available to users. It looks first at how information technology can transform the acquisition, collection, preservation and accessibility of digital materials and then addresses questions relating to information technology infrastructure.

This is an extensive report. The on-line version provides full-text searching of an un-corrected scanned copy (with numerous errors). There is also a more reliable pdf version of the text.

TABLE OF CONTENTS

Authenticity Quotes:

Relevance: **Relevant**

1) "A small number of books and other materials were being copyrighted, and one of the biggest challenges the Copyright Office had to face was the size of the country and the difficulty of administering something as regional or even local as publishing was in the 1870s. In the year 2000, we have many ways of verifying authenticity (and while certificates of various kinds have the power of law, they are seldom used for verification)." p. 69

2) "Arguably, provenance information might also include evidence of authenticity and integrity through the use of digital signature schemes; or, authenticity and integrity information might be considered a separate class of metadata." p. 134

Reliability Quotes:

Relevance: **Relevant**

1) "In addition, the estimates do not clearly identify whether the amount of storage being discussed is before or after replication for reliability, nor do they address the fact that the fraction of data modified in a given year is negligible (virtually all changes are additions)." pp. 209-210 [Reference is to a discussion regarding databases and storage space requirements]

2) "The Library should also experiment with disk mirroring across a network to two or three distant sites that maintain replicas, for availability and reliability of archives, and use tapes exclusively to hold files that are rarely needed." p. 213

3) "All preservation activities will depend on the completeness and quality of the metadata for the objects to be preserved." p. 119

Accuracy Quotes: **Relevance:** **Relevant**

1) "The making of backup copies, periodic re-copying to new media, and regularl checking of object coherence and validity are required to make certain that rarely accessed matreials remain technically sound." p. 119

2) "[Migration] processes must be carefully designed and executed to ensure minimal loss of content (it is impossible to ensure that all such migrations will be loss-free)." p. 119

Metadata Quotes: **Relevance:** **Relevant**

There are extensive references to metadata, particularly in Chapter 5. The following is merely a sample:

1) "There certainly has been no pressure from other LC units for the division to provide anything but MARC-format records for this collection, and the relatively simple demands for metadata placed on it by the NDLP have not pushed the Geography and Map Division further into evolving areas such as those addressed by the Open GIS Consortium." p. 62

2) "Thompson Technology is providing repository software for the NDLP with an Oracle database system, a search engine, and tools for managing metadata." p. 74

3) "The NDLP and the Library need to do much more work in developing metadata beyond MARC formats. This would allow the metadata to be readily communicated as formats and managed over time." p. 76

4) "How digital materials are identified and selected, how they are received and inspected for quality, where they are stored, how they are described in metadata (see Chapter 5), and how they are made available to users— all require the redesign of existing systems, new systems and new relationships with providers, and new skills on the part of library staff." p. 93

5) "Repositories for storing digital materials will need to support long-term preservation requirements (discussed in Chapter 4) and the various metadata schemata for organizing, describing, and managing heterogeneous digital collections." p. 103

6) "In the case of NDLP, LC has been working with materials converted to digital form, and for these materials it has taken the lead in setting standards for formats, metadata, naming conventions, and other technical attributes." p. 112

7) "All preservation activities will depend on the completeness and quality of the metadata for the objects to be preserved. It will be critical for the Library to monitor developments in metadata standards and follow best practices for metadata as they develop." p. 119

8) "A robust preservation program will employ curators and preservation staff with knowledge of the formats of materials in their collections and of appropriate metadata standards and practices and an understanding of the issues involved in migrating objects from one format to another. It will require well-developed production services for creating the specified metadata, sound and robust repository services, and periodic quality checking and copying of objects in the collection." p. 120

9) "Traditional cataloging is one kind of resource description, which, in turn, is one kind of "metadata" (information that describes the structure or content of a document but is not part of the document). The nature and use of metadata are evolving to accommodate the great variety of digital objects. The following sections examine some of the new challenges presented by the Internet and the Web, to help explain the expanding role of metadata and the requirements for expressing and delivering it." p. 130

11) "Such an environment has a strong impact on the economics and incentives for producing metadata and also points out the critical need for preservation-oriented metadata and mechanisms to manage the preservation of digital objects." p. 131

12) "The creation of bad metadata can be nonmalicious: for example, an author who lacks training or who doesn't care may assign a bad subject classification to a descriptive metadata record. It can also be malicious: so-called "index shamming," whereby content creators seed metadata fields with misleading or incorrect information to affect the ranking of their pages by search engines, is a real problem on the Web." p. 132

13) "An important challenge for networked information is developing the mechanisms and policies to verify the

origin of any information, including metadata. " p. 132

Policy Quotes: **Relevance:** Relevant

Note: A comprehensive search for applicable policy quotes was not undertaken.

1) "The U.S. Federal Geographic Data Committee has been working for several years to create a complete and complex metadata format for describing geospatial entities—Content Standards for Digital Geospatial Metadata." p. 136

2) "One initiative (Interoperability of Data in E-commerce Systems) is an international initiative of rights owners formulating metadata standards to govern the exchange of digital intellectual content. " p. 137

3) "The proliferation of standards for metadata has motivated W3C to examine a general infrastructure for associating multiple metadata records with Web resources and packaging those records for exchange (as MARC does for AACR2 descriptions). The result is the resource description framework (RDF), a major initiative by W3C to facilitate descriptions of Web resources." p. 137

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Focus Group: 2 **Last Modified:** 30-Apr-2004

Science Field(s): Computer and Information Sciences

Annotator(s): Randy Preston

Citation Bibliographic Information

National Research Council, United States (1999). "Committee on Innovations in Computing and Communications: Lessons from History," Funding a Revolution: Government Support for Computing Research., (Washington, DC: National Academy Press), xxvi+273 pp.

Web Source Link: http://books.nap.edu/books/0309062780/html/index.html

General Notes: **Overall Relevance:** Not Relevant

This report reviews the history of innovation in computing (and related communications technologies) to elucidate the role the federal government has played by funding computing research and to identify factors that have contributed to the United States' success in this field. It draws on a series of case studies that trace the lineage of innovations in particular subdisciplines of computing and on a more general historical review of the industry since World War II. The lessons derived from this examination are intended to guide ongoing efforts to shape federal policy in this field.

The report does not use authenticity, reliability or accuracy in a context similar to IP2.

(However, the site's instructions for using the on-line text do: "The following HTML text is provided to enhance online readability. Many aspects of typography translate only awkwardly to HTML. Please use the page image as the authoritative form to ensure accuracy.")

Authenticity Quotes: **Relevance:** Not Relevant

Reliability Quotes: **Relevance:** Not Relevant

Accuracy Quotes: **Relevance:** Not Relevant

Metadata Quotes: **Relevance:** Not Relevant

Policy Quotes: **Relevance:** Not Relevant

InterPARES 2 Annotated Bibliography Citation

Citation No.: 191 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 28-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): Randy Preston, Tracey Lauriault

Citation Bibliographic Information

National Research Council, United States (1997). "Committee on Issues in the Transborder Flow of Scientific Data," Bits of Power: Issues in Global Access to Scientific Data, (Washington, DC: National Academy Press), xiv+235 pp.

Web Source Link: http://books.nap.edu/books/0309056357/html/index.html

General Notes: **Overall Relevance:** **Relevant**

The Committee on Issues in the Transborder Flow of Scientific Data with the U.S. National Committee for CODATA, the Commission on Physical Sciences, Mathematics, and Applications and the National Research Council in the US undertook this study to:

(1) outline the needs for access to data in the major research areas of current scientific interest that fall within the scope of CODATA—the physical, astronomical, geological and biological sciences;
(2) characterize the legal, economic, policy, and technical factors and trends that have an influence—whether favourable—or negative on access to data by the scientific community;
(3) identify and analyze the barriers to international access to scientific data that may be expected to have the most adverse impact in discipline areas within CODATA's purview, with emphasis on factors common to all the disciplines; and
(4) provide recommendations to overcome barriers to access in the international context (NRC, 1997: 2-3).

The focus is on digital data and the scope is the natural sciences in the U.S. Federal government in particular issues related to access to publicly funded data. The underlying approach is "the principle that full and open exchange of scientific data—the "bits and power" on which the health of the scientific enterprise depends—is vital for advancing the nation's progress and for maximizing the social benefits that accrue from science worldwide" (NRC, 1997: 2).

Two broad challenges have been identified regarding the sharing of scientific data:

(1) The need for scientists to adapt to conducting research with ever increasing data quantities, varieties, modes of dissemination, in interdisciplinary environments and
(2) within and increase of legal and economic restricting access to publicly funded data.

Science agencies are experiencing financial difficulties to "continue to invest at traditional levels in the creation, preservation, and dissemination of scientific data" (NRC, 1997:3).

Some of the technological constraints identified in the study are "distribution of data that are inadequately described or indexed for significant number of potential users, the rapid obsolescence of electronic information-processing tools and storage media; the vulnerability of electronic networks and data repositories to accidental or deliberate damage, and the growing competition for use of currently limited network resources" (NRC, 1997:4).

Data issues in the natural sciences are related to the growing volume of data in myriad forms (i.e. numeric, symbolic, visual, models, dbases, animation) and the trend of interdisciplinary research (i.e. the Human Genome Project, Geosphere-Biosphere Programme, and etc.) whereby data from individual disciplines are increasingly important to understanding progress in other fields. And "making data available, comprehensible, and useful across disciplinary boundaries has become a far greater imperative than before these projects existed. This task, however, is complicated by the fact that scientific data do not constitute a uniform, easily accessible body of information" (NRC, 1997:4).

Some data issues are related to disciplines, namely the observatory sciences suffer from gaps in quality control, incompatible data streams, a lack of data documentation and the difficulty of data preservation. In the biological sciences there is a lack of standard terminology and data structures while in the laboratory physical sciences, the data are fragmented into numerous dbases, that are autonomous and incompatible with different files formats with varying levels of data quality (NRC, 1997).

Preservation of scientific data over time requires massive archives and reliable institutional memory to keep the

data intelligible and accessible. There has been the growth of scientific data centres that support collaborative data sharing and providing documentation, archiving, and dissemination of large datasets (NRC, 1997).

Also of growing concern is the lack of access to data in developing nations and growing inequality among nations with regard to data access. Economic issues related to human resources and the cost of data repositories and management affect the accessibility of data and the legal environment related to intellectual property rights can restrict full and open access to data. The paper discusses issues of fair use and pricing for certain users in the academic and scientific communities.

A series of recommendations were put forward with the following general guideline in mind, namely that “the value of data lies in their use. Full and open access to scientific data should be adopted as the international norm for the exchange of scientific data derived from publicly funded research. The public-good interests in the full and open access to and use of scientific data need to be balanced against legitimate concerns for the protection of national security, individual privacy, and intellectual property” (NRC, 2002:10). [??]

For general information on metadata issues, see the Lawrence Livermore National Laboratory Metadata and Data Management information page at <http://www.llnl.gov/liv_comp/metadata/metadata.html>) (NRC, 1997:Chapter 3, http://books.nap.edu/html/BitsOfPower/3.html)

Data Quality: · “Another important way to characterize scientific data in general is by quality, as indicated by their degree of acceptance in the scientific community. "Prepublication" data bear no certification whatsoever. Such data would, for example, be considered by most scientists to be inappropriate as legal evidence. Data accepted for publication in a refereed journal carry a certification that they, and the text that accompanies them, contain no obvious error and are admissible topics of scientific discourse. Published data, however, are often challenged, and occasionally the data or their interpretations prove erroneous. When they have been thoroughly validated, data become dogma.” (NRC, 1997:Chapter 3, http://books.nap.edu/html/BitsOfPower/3.html)

Quality control operates smoothly and almost transparently in those sciences in which experiments are readily reproducible or lead to subsequent experiments that validate the original ones. In the observational sciences, implementing effective quality control for data requires the use of an audit trail system that includes anomaly detection, reporting, and correction, as well as the rigorous refereeing of manuscripts for publication. Quality assurance, the mechanism used by management to assure that the quality of work is as claimed by those doing it, typically plays a far smaller role in basic science than in applied science and especially in manufacturing. However, one can interpret any mechanism to assure scientific integrity as a kind of quality assurance procedure. This concept would thus include the mechanisms to detect and investigate scientific fraud. Such "quality assurance" efforts are carried out in universities and at the National Institutes of Health, for example.” (NRC, 1997:Chapter 3, http://books.nap.edu/html/BitsOfPower/3.html)

Authenticity Quotes: **Relevance:** **Not Relevant**

Uses the word authentication numerous times in Chapter 3. Context of its use, however, is almost invariably related to computer access and encryption. The report's glossary defines authentication as: "The process by which a prospective computer user's identity is verified by a card, token, or biometric device before system access is allowed." p. 196

(1) "U.S. government science agencies, working with their counterparts in other nations, should improve data authentication and apply security safeguards more vigorously. They should implement the means to protect data, including safe storage of data copies, and support policies that make it easier to exchange encryption technology." p. 43
(2) Glossary defines "Archive" as: "An organized and managed collection of information (in any form) that is protected to ensure its integrity as an authoritative source for the information stored in it." p. 196

Reliability Quotes: **Relevance:** **Relevant**

(1) Scientific data are more useful and valuable in interdisciplinary environments and “finding ways to distribute such information to all who want it—equitably, reliably, and in keeping with the principle of full and open exchange as a sine qua non of progress in science—is the greatest challenge” (NRC, 1997:3) the committee has identified.
(2) “In recent years, some organizations, such as the Carbon Dioxide Information Analysis Centre (CDIAC) at Oak Ridge National Laboratory have devoted significant efforts to producing high quality global Earth science data sets whose accuracy and reliability have been determined, accompanied by the descriptive (metadata) documentation needed for their use. The CDIAC has quality-assured and documented several key global change databases on such diverse topics as concentrations of carbon dioxide and other greenhouse gases in the atmosphere, carbon fluxes from the terrestrial biosphere to the atmosphere resulting from changes in land use, carbon chemistry in the oceans, and long-term climate trends in the United States. These value-added data sets are certified as valid by the primary users who collected the data, or by those who subsequently carried out the quality-control checks of the

data. This is a somewhat costly, but successful, approach for assuring secondary users of the quality of relevant data sets (See the Carbon Dioxide Information Analysis Centre's Web site at <http://cdiac.esd.ornl.gov/cdiac>. and For extensive discussion of data quality control and assurance procedures and recommendations in the context of interdisciplinary environmental research, see National Research Council (1995), Finding the Forest in the Trees: The Challenge of Combining Diverse Environmental Data, National Academy Press, Washington, D.C.). (NRC, 1997:Chapter 3, http://books.nap.edu/html/BitsOfPower/3.html)
(3) "Therefore, a key component of effective international and interdisciplinary use of scientific data is the associated metadata that describe where and how the data were collected, the calibrations that convert raw data into physical units, corrections that have been made, the quality and reliability of the data, the data format(s) and any other information or caveats concerning the proper use of the data (See National Research Council (1995), Finding the Forest in the Trees, and Preserving Scientific Data.

Accuracy Quotes: **Relevance:** **Relevant**

(1) "Data in science are universal—they have the same validity for scientists everywhere. The atomic mass of iron, the structure of DNA, and the amount of rainfall in Manaus in 1972 are facts independent of the political views of their user, the time at which we determine them (apart from the evolving, improving accuracy of the determinations), or the user's location. Their utility depends on the precision and accuracy with which they are determined and the units we use to express them" (NRC, 1997:Chapter 3, http://books.nap.edu/html/BitsOfPower/3.html).
(2) ·"This is not to say, however, that all data must be made widely available as soon as they are generated. Indeed, an important reason for some period of delay is to ascertain the accuracy and integrity of the data and to prepare them for broader use, as discussed in the previous sections. The difficulties inherent in the collection and proper documentation of data by field researchers, or in the processing and organizing of large and complex data sets, can make a delay in the release of those data not only justified, but prudent." (NRC, 1997:Chapter 3, http://books.nap.edu/html/BitsOfPower/3.html).

Metadata Quotes: **Relevance:** **Relevant**

(1) "In recent years, some organizations, such as the Carbon Dioxide Information Analysis Centre (CDIAC) at Oak Ridge National Laboratory have devoted significant efforts to producing high quality global Earth science data sets whose accuracy and reliability have been determined, accompanied by the descriptive (metadata) documentation needed for their use. (NRC, 1997:Chapter 3, http://books.nap.edu/html/BitsOfPower/3.html);
(2) "Therefore, a key component of effective international and interdisciplinary use of scientific data is the associated metadata that describe where and how the data were collected, the calibrations that convert raw data into physical units, corrections that have been made, the quality and reliability of the data, the data format(s) and any other information or caveats concerning the proper use of the data (See National Research Council (1995), Finding the Forest in the Trees, and Preserving Scientific Data.

Policy Quotes: **Relevance:** **Not Relevant**

InterPARES 2 Annotated Bibliography Citation

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Focus Group: 2
Science Field(s): Geosciences
Annotator(s): Tracey Lauriault

Date Created: 01-Dec-2003
Last Modified: 28-Apr-2004

Citation Bibliographic Information

National Research Council, United States (2002). "Committee on the Preservation of Geoscience Data and Collections, Committee on Earth Resources," Geoscience Collections and Data: National Resources in Peril,

Web Source Link: http://books.nap.edu/books/0309083419/html/index.html

General Notes:

Overall Relevance: Not Rated

The document produced a set of guidelines and principles on the retention of both geoscience collections and data with the premise that those who work with particular sets are in the best position to assess retention. The committee focused on 4 tasks:

(1) preservation protocols for geoscience, paleotological and petrophysical and engineering data,
(2) options for long-term archiving and access to these data,
(3) examine accession and repository case studies, and
(4) distinguish roles of both public and private sectors in data preservation.

The focus was on physical data (see def. below) and not digital records, however, the committee discussed the "use and importance of digital information about the physical materials (i.e. the metadata about the geoscience data and collections). Digital access to information about geoscience data and collections is a key ingredient to their use by the widest range of clients" (NRC, 2002:2).

The committee recommended that the highest preservation and retention priority should be given to geoscience data and collections "that are well documented and impossible or extremely difficult to replace" (NRC, 2002:3).

The authors highlighted that geoscience data are at risk in the US due to a lack of space, a lack of maintenance resources resulting in some cases to a reduction in data acquisitions among other issues (p2).

There are large amounts of geoscience data and collections in the US and to better understand this wealth the committee recommended the funding of "cataloguing efforts to gather comprehensive information about existing geoscience data and collections" (NRC, 2002:4) to be allotted on a competitive basis and to institutions that meet the same preservation priorities. Further that there be an information management system developed in parallel with the inventory process and that catalogues should be available online.

Since the volume of data and collections is large, the committee recommended establishing "a distributed network of regional geoscience data and collection centres, each with an external science advisory board" (NRC, 2002:4) that would operate on a consortium model with all sectors and would build on existing infrastructures.

The Ocean Drilling Program is considered a good example. Cataloguing data and collections is a critical component of enabling access, and a Federal Geoscience Data and Collection and Coordination Committee should be charged with geoscience data and collection use and access. Further, federal agencies should be supported to the same extent as non-federal institutes and consortia with regard to cataloguing and repositories and the USGS and the NSF are offered as committee models.

In addition, it was recommended that "electronic reporting be implemented as soon as possible, with additional funding as required to accelerate it" (NRC, 2002:6) and that internet access to these data and collections should be facilitated. Incentives and requirements are to be put in place to enable geoscience data and collections donations and depositions. Some of the incentives are credit for shipping costs, requirements of the research community that amassed data and that collections be catalogued, archived and accessible to the public.

Finally awards should be allocated for outstanding contributions to the preservation and accessibility of geoscience data and collections. Further, the geoscience community should "adopt standards for citation of scientific and other publications of geoscience data and collections used" (NRC, 2002:6). Since "citation histories enhance credibility and importance to well-organized, often-used data and collections" (NRC, 2002:6).

Authenticity Quotes:

Relevance: Not Relevant

Not discussed

Reliability Quotes: **Relevance:** **Not Relevant**

Not discussed

Accuracy Quotes: **Relevance:** **Relevant**

(1) "the quality and quantity of geoscience data and collections have direct bearing on the accuracy of predicting and meeting future resource and engineering needs" (NRC, 2002:2).
(2) Preservation and retention strategies for geoscience data and collections should consider "potential applications, accuracy, quality, completeness, and redundancy" (NRC, 2002:3).
(3) "accuracy is yet another metric that may not be a factor for some types of geoscience data and collections. For instance, maps, notes, and other unpublished materials may be highly inaccurate, but their historical context (if well documented) could be very valuable in understanding how someone was led astray. For geophysical information, the accuracy could be very poor, but some valid information can be extracted mathematically from even highly inaccurate data" (NRC, 2002:34).

Metadata Quotes: **Relevance:** **Relevant**

The focus was on physical data and not digital records, however, the committee discussed the "use and importance of digital information about the physical materials (i.e. the metadata about the geoscience data and collections). Digital access to information about geoscience data and collections is a key ingredient to their use by the widest range of clients" (NRC, 2002:2).

Policy Quotes: **Relevance:** **Not Relevant**

InterPARES 2 Annotated Bibliography Citation

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Focus Group: 2 **Last Modified:** 25-Jun-2004
Science Field(s): Engineering, Computer and Information Sciences
Annotator(s): Randy Preston

Citation Bibliographic Information

National Research Council, United States (2001). "Issues for Science and Engineering Researchers in the Digital Age," Office of Special Projects, (Washington, DC: National Academy Press), i-xii + 57 pp.

Web Source Link: http://books.nap.edu/books/0309074177/html/index.html

General Notes: **Overall Relevance:** **Relevant**

This report discusses the evolving nature of scientific and engineering research in the digital age, and identifies ethical issues and professional responsibilities for students, faculty, and administrators in this changing environment. Because of rapid changes in the then current environment, the Committee did not believe it could provide a “how-to” manual for the young scholar that would apply to all disciplines and that would remain current. Thus, this report reflects the Committee's discussion of the issues facing those involved in scientific and engineering research as they respond to the opportunities presented by new digital technology. It outlines some of the broad developments that are in progress and sketches their impacts on the conduct of research and on research institutions.

The report is organized into the following 4 chapters:

Chapter 1, “A Revolution in the Tools of Scientific and Engineering Research,” presents a broad view of the issues involved.

Chapter 2, “The Research Process in a Digital World,” reviews the changes to be expected in practical terms, at the level of the individual researcher or team.

Chapter 3, “A Digital Infrastructure to Support Tomorrow's Research Communities,” describes the impacts of new information technology at the level of the research community and its constituent institutions.

Chapter 4, “Changing Expectations of the Researcher,” reviews the ethical, legal, and social challenges of the new tools and their applications. Throughout its report, the committee has included URLs to additional sources of information, guidance, and debate.

Authenticity Quotes: **Relevance:** **Relevant**

1) "The rapidly expanding availability of primary sources of data in digital form may be shifting the balance of research away from working with secondary sources such as scholarly publications. Researchers today struggle to extract meaning from these masses of data, because our techniques of searching, analyzing, interpreting, and certifying information remain primitive. New automated systems, and perhaps new intermediary institutions for searching and authenticating information, will develop to provide these services, much as libraries and scholarly publications served these roles in the past." pp. 4-5

2) "But these new digital tools—because they are so powerful and easy to use—can be misused by the unsophisticated or abused by the dishonest. They may offer new temptations for plagiarism and fraud. Researchers may find themselves overwhelmed by the massive volume of data on the networks as they seek ways to winnow sound information from nonsense. Protecting the integrity of research will require vigilance and ingenuity and probably the development of new technologies to enhance the security of data and prevent forgeries, use of false identities, and unauthorized changes to publications or data." p. 10

Reliability Quotes: **Relevance:** **Relevant**

1) "One function of libraries that will remain, and perhaps increase in importance, is helping users navigate, analyze, and evaluate the integrity and reliability of information." p. 6

2) "The proliferation and use of remote-sensing devices is adding to the flood of data that is reliable, sophisticated, and less costly." p. 11

3) "But these new digital tools—because they are so powerful and easy to use—can be misused by the unsophisticated or abused by the dishonest. They may offer new temptations for plagiarism and fraud. Researchers

may find themselves overwhelmed by the massive volume of data on the networks as they seek ways to winnow sound information from nonsense. Protecting the integrity of research will require vigilance and ingenuity and probably the development of new technologies to enhance the security of data and prevent forgeries, use of false identities, and unauthorized changes to publications or data." p. 10

4) "The convention of peer review is intended to ensure that published work meets the standards of a particular research community and helps build a body of work that is trustworthy. Blind peer review protects against irrelevant biases." p. 45

5) "We recommend, however, that as communities make these changes, they bear in mind how these changes affect the relevant values, such as truth and integrity. Because publication mediates the attribution of credit and priority we must consider how such norms will be affected by electronic publication." p. 46

6) "Standards for communications protocols, data acquisition and data processing software, and data preservation must be applied globally, to ensure that data and results are comparable, reliable, and verifiable." p. 34

Accuracy Quotes: **Relevance:** **Relevant**

1) "Researchers will always need ways to publish their research that are timely, accurate, and available to the entire academic community." p. 7

2) "These developments pose a challenge for researchers, since results must be replicable. It must be possible for other researchers to repeat an experiment and confirm the results. Software programs and hardware will need to be validated and documented, as will records of provenance and other items of “metadata” (data about data, especially about documents themselves and their histories), to ensure consistency and accuracy of data that is produced in one laboratory and used by another." p. 11

3) "Ensuring the Quality of Information: The most challenging function of such a digital library will be to ensure the quality of information. As anyone who has searched the Web knows, the information there is highly variable in usefulness. The development of tools for capturing the useful and rejecting the useless is an important area of research in itself." p. 18

4) "The first expectation of all researchers is accuracy. Whether or not a publication is subject to peer review, the author is responsible for checking all facts and references, for identifying material that is doubtful and not making assertions beyond those supported by the evidence. A key element of establishing accuracy is proper attribution. Almost every work builds on other research. Correct and full attribution is essential acknowledgement of collaborators." p. 42

Metadata Quotes: **Relevance:** **Relevant**

1) "Software programs and hardware will need to be validated and documented, as will records of provenance and other items of “metadata” (data about data, especially about documents themselves and their histories), to ensure consistency and accuracy of data that is produced in one laboratory and used by another." p. 11

2) "Information abundance can contribute to much progress in many fields if the information is well organized, tagged with descriptive metadata, and presented with appropriate textual or graphic displays." p. 12

3) "By integrating the collection, organization, discovery, retrieval, reuse, publication, and dissemination roles now spread across many institutions, digital libraries will make it easier to relate data, information, and knowledge and their many representations. But disciplines need to develop data format and metadata standards to enable fusion, cutting through data in different ways." p. 19

4) "The Cooperative Online Resource Catalog (CORC) project of the Online Computer Library Center (OCLC) is exploring the cooperative creation and sharing of metadata (literally “data about data”—data that helps identify, describe, and locate networked electronic resources) by libraries, through the involvement of libraries and other institutions throughout the world. Its aim is to help libraries cope with the huge amounts of material becoming available on the Web (http://www.oclc.org/oclc/research/)." p. 35

5) "This and related work on metadata, through the Dublin Core initiative, has enabled further sharing of scholarly resources through efforts like the Open Archives Initiative…" p. 37

Policy Quotes: **Relevance:** **Marginally Relevant**

1) "A multi-agency program (the National Coordination Office for Computing, Information, and Communications) has been established to coordinate federal information technology R&D. Among those activities is a proposed federal research and development initiative that would support (a) long-term research in software, interfaces, and high-end

computing; (b) development and acquisition of newly powerful computer systems and associated software; and (c) research on economic, social, and work force implications of the Information Revolution (http://www.cra.org/Policy/it2.html)." p. 31

2) "Each researcher must be aware of the laws and policies involved in using information obtained from others. The reader may obtain some guidance from On Being a Scientist: Responsible Conduct in Research, a related report of the National Research Council (1995)." p. 45

4) "SOFTWARE AND COMMUNICATIONS STANDARDS...There are two kinds of standards: those that involve human users and those that operate between digital systems. The former should be changed very slowly, and only for very good reasons, to avoid frustration and wasted time (since the effort to learn a language is considerable). Those that smooth communications among machines are more straightforward, (but as we all know, it frequently is not done correctly).

One example of the former type of standard concerns documents. In 1985, SGML, the Standard Generalized Markup Language, became an international standard. Even after more than fifteen years, few researchers really understand it, and tools supporting it are too expensive to facilitate widespread adoption. However, two descendants of SGML, namely HTML and XML, have been widely exploited by the scholarly community as well as the broader commercial and consumer sectors, and are generally thought to be important mechanisms for interchange. Backed by the World Wide Web Consortium (W3C, see http://www.w3.org), these two languages should be as well understood as are convenient word processors, since they allow document creation that enables long-term preservation as well as dual rendering (e.g., in electronic as well as paper publication forms).

Other standards efforts in machine-to-machine communication have shown considerable progress. Agreements on communication protocols have been at the heart of the success of the Internet. TCP/IP, along with other core services like FTP, Telnet, and SMTP (for mail), have made it possible for the Internet to flourish. The national standard Z39.50, and the corresponding international standard ISO 23950, enabled the WAIS service to flourish briefly just prior to the emergence of the World Wide Web, and have supported broad access to library catalogs. Simpler schemes have allowed federated search across distributed information collections, as in the NCSTRL service (http://www.ncstrl.org) for computer science technical reports." p. 36

5) "Standards for preserving electronic data and publications are under development (See http://www.arl.org/preserv; Waters and Garrett, 1996, also discuss these issues.)" p.7

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Annotator(s): Randy Preston

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National Research Council, United States (2002). "Access to Research Data in the 21st Century: An Ongoing Dialogue Among Interested Parties. Report of a Workshop," Science, Technology, and Law Panel, (Washington, DC: National Academy Press), i-xiv + 52 pp.

Web Source Link: http://www.nap.edu/books/030908329X/html/

General Notes: **Overall Relevance:** **Marginally Relevant**

This is a report of a one-day workshop held by the The National Academies' Science, Technology, and Law Program aimed at exploring the mounting tensions in the federal regulatory process between the need to provide access to research data and the need to protect the integrity of the research process. The workshop provided a picture of the debate arising from passage of the Shelby Amendment and the resulting OMB revisions of Circular A-110. (The refusal of some Harvard researchers to make all their raw data available (with respect to series of epidemiological studies) led to calls from Congress, industry, and others, requesting access to the data, and was one of the causes of the enactment of a rider, known as the Shelby Amendment, that was attached to the Omnibus Appropriations Act for FY1999, P.L. 105-277. The rider directed the Office of Management and Budget to amend Circular A-110 so as to require federal agencies to ensure that "all data produced under an award will be made available to the public through the procedures established under the Freedom of Information Act (FOIA).") The workshop also took a broad look at the competing interests seeking access to research data by providing various groups with an opportunity to voice their views on public access to research data. In addition, the workshop explored alternative approaches that might be used to improve public access to research data.

In particular, the report examines the effect that enactment of the Shelby Amendment has had in the academic research community as well as among other groups. The academic community, including The National Academies, raised a number of issues and objections: (1) What are data? (2) How will the privacy of human research subjects and the confidentiality of trade secrets that might one day be patentable or publishable be protected? (3) Who will bear the costs? (4) How will agencies handle research data generated with funding from both federal and non-federal sources? (5) How will researchers be protected from groups that try to gain access to data as a way to harass investigators and their institutions in order to hinder or deter the pursuit of specific research topics? and (6) Is FOIA the appropriate mechanism for providing public access to large bodies of complex research information? Defenders of the Shelby Amendment argued that it provided the public with both accountability (taxpayers fund the research—therefore they should be able to see its basis) and transparency (the public should be able to review research data produced with federal funds that is used to support regulatory decisions that affect the public).

Authenticity Quotes: **Relevance:** **Not Relevant**

Reliability Quotes: **Relevance:** **Marginally Relevant**

1) "Furthermore, even opponents of the amendment acknowledged that society has interests that legitimately may sometimes counter-balance researchers' freedom to perform research and handle the data as they see fit, and that the public does deserve access to reliable facts relevant to policy making and dispute resolution." p. 4

2) "How reliable is a scientific finding? Since one cannot expect a simple true-or-false answer from most scientific studies, noted the speaker, a more useful question is: Was the study reliable enough to support an action as important as a policy decision or regulatory action? There are several ways to evaluate the soundness of a scientific study." p. 7

3) "Ultimately, the reliability of findings rests on trust and in believing that the investigators did what they said they did. This trust forms the bedrock of the scientific conversation, and its violation can damage or end a scientific career. The ability to replicate a study is typically the gold standard by which the reliability of scientific claims are judged." p. 7

Accuracy Quotes: **Relevance:** **Marginally Relevant**

1) "That information, as data, may then move through many levels during preparation of a study report: raw data, abstracted data, coded data, computerized data, cleaned or edited data, analyzable data, and, finally, analyzed data. It is important to realize that as data flows from one level to the next, researchers often have to evaluate or

"clean" the particular items of data. For example, cleaned data often must be purged of "outlier" data that are interpreted as unlikely to be accurate or likely to distort the results." p. 6

Metadata Quotes: **Relevance:** Not Relevant

Policy Quotes: **Relevance:** Not Relevant

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Science Field(s): Social, Behavioral, and Economic Sciences, Computer and Information Sciences

Annotator(s): Randy Preston

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Web Source Link: http://books.nap.edu/books/030907410X/html/

General Notes: **Overall Relevance:** Not Relevant

No issues relevant to IP2 are addressed in this report.

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

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National Research Council, United States (1995). "Steering Committee for the Study on the Long-term Retention of Selected Scientific and Technical Records of the Federal Government," Study on the Long-term Retention of Selected Scientific and Technical Records of the Federal Government: Working Papers,

Web Source Link: http://www.nap.edu/books/NI000157/html/index.html

General Notes:
Overall Relevance: Not Rated

Report of the Physics, Chemistry, and Materials Sciences Data Panel: This summary is Part One of Three produced from reports by three different groups, namely The Physics, Chemistry, and Materials Sciences Data Panel, Space Sciences Data Panel, and Atmospheric Sciences Data Panel.

The Physics, Chemistry, and Materials Sciences Data Panel is concerned with the long-term retention of scientific data, generated or held by the federal government, with particular attention paid to scientific and engineering data in electronic form. The report discusses characteristics of data in the physics, chemistry and materials sciences. It also discusses criteria and responsibilities (including an enhanced role for NARA) for preservation, and provides example cases of data sets that require long-term preservation.

Data characteristics: Data are primarily based on observations. Often times observations are made on transient natural phenomena and other phenomena that can not be reproduced. The value of the data is to add to the body of scientific and technical information so that other scientists and engineers can use the results, without having to carry out many future observations or experiments. Another data characteristic in physics, chemistry and materials sciences is the volume of data. The panel argues that these fields have strong theoretical base that allows reliable prediction of many potential experiments and observations without actually performing them. Due to the accumulated and, in a sense, compressed knowledge, the volume of data to archive is much less in the physical sciences than in fields more dependent upon continued manipulation of raw observational results.

Data in the physics, chemistry, and material sciences can be in a variety of formats, including textual, numeric, graphic, formulaic, video, audio, etc. This will require special search capabilities based on format. The panel observes that much of raw data acquired is discarded after being processed (or manipulated) electronically and automatically. Data streams are also screened and much raw data is discarded in real time by a computer program or an experimenter. Therefore, the fraction of the raw data that is saved after initial processing may be very small, sometimes less than 1 part in 10,000. Other kinds of data are compilations based on analysis of data from scientific literature. In this case, the data typically are not so much impossible to replace as costly and highly impractical to replace.

Data management requirements: The report documents a number of requirements important to subsequent use of data in the subject fields. The requirements are:

- Metadata for each data set that would include algorithms and models used to acquire, process, evaluate or utilize the data set.
- Classified data; Saving classified data and ensuring that they are declassified as soon as they can be.
- Locator system that is up-to-date, easily accessible, multi-national, multi-organizational. This will enable scientific researchers to determine whether data they are looking for exist and how to access them.
- Prompt access; knowing quickly whether data exist and then being able to access them quickly.
-Storage media; Handling different types of storage media and yet having some standards to limit the number of media types handled.
- Data formats; Handling a wide range of formats.
- Preservation and data management best practices; Providing guidance to appropriate formats for data preservation.

What should be preserved? It is observed that physics, chemistry and material sciences are laboratory physical sciences. Much of the data in these disciplines stem from experiments that, in principle, could be reproduced. However, reproduction is simply not feasible for many data sets because the samples, apparatus, or expertise that led to their production may not be reproduced at an acceptable cost. Some types of data cannot be reproduced at any cost! So, the panel suggests, if the data will be important to science in the future and it is not feasible to

reproduce it, it must be preserved. Three broad categories of data sets have been identified to be of value for long-term preservation. These categories, namely original experimental records, compiled data, and engineering data, are discussed below along with examples in each category.

Who should save the data? The panel suggests that the primary responsibility for preserving the data and for providing access to it will be held by technical libraries, government agencies, and professional societies that currently archives and make accessible scientific and technical data, records and publications.

The panel also suggests that NARA play a role in preserving electronically stored scientific information for access outside the scientific-technical community, and in helping facilitate access to electronically stored scientific records by:

- providing locator information
- being ready to step in (as a last resort) and preserve records when they might otherwise be lost
- acting as a focus for interagency cooperation and communication,
- providing collaborative standards, and
- providing education and assistance with preservation and archiving.

To achieve these, the panels suggests that NARA:

- adopt a fairly broad interpretation of “secondary user” and accept data sets if they are of interest to only the primary users.
- be more flexible on accepting data format and storage media types.
- expand staff to accommodate needs for preservation of and access to scientific data
- interact more with other agencies, with agencies alerting NARA to threatened databases.
- examine a distributed versus centralized record holdings.

Example cases of value for long-term preservation: The report classifies federal data sets, of value for long-term preservation, into three types and provides example data sets for each. A major concern in several of these data sets is preserving the data sets and keeping them accessible, if the centers producing them or maintaining them lose their funding or expert personnel. The data set types and their corresponding example data sets are:

Original experimental records: Massive records and data from an original experiment, particularly a “mega-experiment,” that there is no realistic chance of replicating, even though it is, in principle, reproducible. Examples given in this class are: Atmospheric and Underground Nuclear Weapons Test Results. These are results of both atmospheric and underground nuclear tests that will almost surely not be repeated.

Compiled data: Critically evaluated compilations of data from a large number of original sources that represent tremendous accumulated effort. Examples given in this class are:

(1) The Join Army-Navy-Air Force (JANAF) Thermochemical Tables. These tables provide recommended temperature-dependent values for chemical thermodynamic properties of inorganic substances and for organic substances containing only one or two carbon atoms. The tables were created to support the defense-related selection of rocket fuels and can be compared with Soviet endeavors in the Sputnik era to show the ebb and flux of interest in particular fules as a function of time.

(2) Evaluated Neutron Cross Sections. These and other data sets provided by the National Nuclear Data Center (NNDC) are the computer index to neutron data, nuclear structure references, computerized experimental nuclear reaction data, computerized evaluated nuclear data, photo-atomic data, and medical internal radiation doses. Compilation and evaluation has taken at least 200 person years of effort and there are over 3 million 80-character records (I believe they mean database records here) that make up the data files.

(3) Center for Information and Data Analysis and Synthesis. The center built an indexed bibliographical database that permits easy location of all papers reporting data on any specific property of different materials. In addition to collection and indexing, part of the center’s function included organizing the literature, extracting data and selecting (or synthesizing) the most reliable values. The data sets produced at the center are important to keep because they are costly and difficult to reproduce.

(4) Radiation Chemistry Data Center. Searches the literature for papers, indexes the papers, and evaluates data on the chemical effects of ionizing radiation, the reactions that occur and the products produced when x-rays and gamma rays interact with chemical substances. The resulting electronic databases are the accumulated results of 30 years of intellectual effort and many millions of dollars.

Engineering data: Unique, perhaps time- and environment-dependent, engineering data collected at federal facilities or as part of a government project (that may or may not ever be completed), much of which never reaches

the published literature. Examples given in this class are: Aluminum Fracture Toughness Data Bank. Includes test results documenting the dependence on several variables of plane-strain fracture toughness of aluminum alloys used in critical aerospace applications.

Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

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National Research Council, United States (1999). "Impact of Advances in Computing and Communications Technologies on Chemical Science and Technology: Report of a Workshop," Chemical Sciences Roundtable. Board on Chemical Sciences and Technology. Commission on Physical Sciences, Mathematics, and Applications, (Washington, DC: National Academy Press), i-x + 222 pp.

Web Source Link: http://books.nap.edu/books/0309065771/html/index.html

General Notes: **Overall Relevance:** **Relevant**

This report presents the results of the second workshop of the Chemical Sciences Roundtable, "Impact of Advances in Computing and Communications Technologies on Chemical Science and Technology," held in Washington, DC, on 1-2 November 1998. The presentations and discussion at the workshop considered benefits and opportunities for chemical science and technology stemming from ongoing dramatic advances in computing and communications, as well as challenges to be met in using these technologies effectively for research and in applications addressing pressing national problems.

Pertinent discussion of traditional paper-based lab notebooks vs. electronic notebooks an how today's paper lab notebooks "contain less and less of the full scientific record" due to the exclusion of raw data, charts, graphs, etc. that are now relegated to, and/or produced by, computers.

"Electronic Laboratory Notebooks

Traditionally, the primary record of the scientific process has been the ubiquitous laboratory notebook. The lab notebook has existed through the ages—Leonardo da Vinci's notebooks are a great example. However, if one looks at notebooks through the ages, an interesting change can be observed. For centuries, the lab notebook was the complete record of a scientist's work. Everything was within the pages of the notebook: theories, proofs, equipment designs, experimental conditions and results, analyses, and conclusions. Today's notebooks often exclude the raw data because it would take up too much space and it's only read by computers anyway. Instead there are references to external data archives: files, tapes, floppies, etc. Tables, charts, and graphs are produced by computers, printed, and pasted in. Increasingly the lab notebook contains less and less of the full scientific record." p. 133

Pertinent discussion of long-term preservation issue for electronic records:

"When scientists put information into an electronic notebook, they would certainly like to be able to retrieve it later. That's not a problem on the short time scale, but what about 25 years from now? The issue is not the media. The information technology industry is good at managing the process of migrating data from one media to another, as disk and tape capacities grow. The issue is the format of the data. Will we have the programs to read the data in the future? Achieving a reasonable degree of longevity will require planning. Document storage software providers are going to need to guarantee that their software will continue to read today's formats many years from now. We'll also need methods for document translation, methods that preserve the digital signature and legal defensibility of a document. Market forces should drive document technologies toward a solution. Scientists are not the only ones who need these capabilities, so there's a lot of incentive to solve document problems. However, much of the contents of a notebook is data, so scientists have a responsibility, too. We will need to archive data specifications and/or software applications more scrupulously." p. 134

Issues related to dynamic and interactive electronic collaboration in the sciences via on-line "collaboratories":

"Real-time collaboration tools work in a complex arena of computers and the Internet. They inherently involve many users, at many places, having many platforms, with many tools...Integrating all of the tools together, knowing who is collaborating, and keeping track of what tools are in use is usually referred to as session management. The session manager used in the EMSL Collaboratory is called CORE2000 (Collaborative Research Environment). It is based on the Habanero framework from the National Center for Supercomputing Applications, NCSA, at the University of Illinois...The EMSL TeleViewer is a general screen-sharing tool with many applications in collaboratories. TeleViewer lets users identify any window on their screen, or define any rectangle on their screen, and share it with anyone else, anywhere. As the contents of that area change, all of the remote copies are updated. Because only

the compressed changes are sent, the network bandwidth required is typically much less than for video. With TeleViewer, other scientists can see exactly what is happening remotely, even if they don't have the same kind of computer. The application(s) being run do not need to be collaborative. One can share a spreadsheet, document, instrument console, etc. This is a powerful tool for activities like mentoring, consulting, support, and shared analysis." p. 136

"Standards and infrastructure for security and authentication are also important for distributed applications like collaboratories. The frameworks that form the foundation for collaboratories to share data, events, and programs are much more complex than normal Internet tools or client-server applications." p. 139

For a graphic depiction that maps "the many ways that scientists interact face to face into the Internet world," including electronic notebooks, remote insturments and analysis, real-time collaboration via multi white boards, chat boxes, audio/video conferenceing, shared windows, voting controls, etc., see: <http://books.nap.edu/books/0309065771/html/135.html#pagetop> (i.e., p. 135)

For Terminology Group: Note use of the term "fidelity" in a sense similar to that of "authenticity" in IP2 (see Authenticity Quote No. 2)

Authenticity Quotes: **Relevance:** **Relevant**

1) "Notebooks are also an essential repository of intellectual property. One of the most pressing issues in electronic notebooks is that of legal defensibility. Technically, signing and witnessing a page of an electronic notebook (or an object in the notebook) is not difficult. Authentication and digital signature technologies being developed for banking and commerce can handle the job nicely. However, there are aspects of the legal defensibility of electronic records that have not been tested in court…" p. 134

2) "There's also an issue of progressive conversions, for keeping file formats up to date as time passes. That brings in issues of fidelity—if we convert files, how can we assure ourselves that the converted objects are still correct? There are challenges with electronic signature systems, too, since you have signed the original binary file, which has not been translated. So, what does it mean legally when you convert that file in the future? How do you retain that authentication that you had in the past? So, in addition to the format issues there are also issues of authentication." p. 172

3) Pertinent discussion on issues related to authenticity (pp. 173-174):

"Susan Graham: I have a question for the people who were talking about electronic notebooks. One of the purposes of an electronic notebook is to have a historical record that is used, among other things, for establishing priority and for integrity concerns in science. Once the record is electronic, what are the safeguards that you are using to make sure that you have the benefit of binding and the benefit of the fact that you chemists can analyze the page to see whether it has been altered and things like that?"

Raymond Bair: I am not quite clear on what you mean by binding.

Susan Graham: Traditionally the notion was you didn't use a loose-leaf notebook; you used one with a binding so that you knew the order in which the record had been kept.

Raymond Bair: The approach that we have taken in our notebook conforms to the traditional model. If you would like to remove an item in your notebook from view you may delete it, but it doesn't go away. It becomes an icon, and it says, "Deleted," but you can retrieve what was there. There is a genuine need to be able to mark out stuff that was wrong, for example, so you do not get confused in future searches. However, that doesn't solve all the problems scientists have. There is a genuine need for something we haven't fully developed a concept for, a scratch pad of sorts: temporary information that exists for some intermediate time before it is canonized in a notebook. People are still working on concepts like this.

Participant: How do you prevent altering of the notebook?

Raymond Bair: You prevent alteration with the same kinds of technologies that electronic commerce is adopting to prove that you are an owner of a transaction. You can compute a hash code of an object of any size, and use public/private key technology to validate that the document has not been changed. This is your digital signature. You can also use a trusted time authority, along with your document hash and public/private keys, to establish an unchangeable date for the signature.

Susan Graham: But my question was actually prompted by something David said in which he explained how beneficial it was to have links. If you have links and particularly if you have URLs, then how do you know that the document you are referencing hasn't been changed?

Raymond Bair: If you are really going to have this for a record, for example, to determine priority, you cannot put a link to something that is temporary in the notebook.

David McLaughlin: Before devising a solution to this problem, I think you must give some consideration to the amount of effort it will take versus the need to prove the case you propose. For example, I have heard of cases where scientists have published fabricated results. From a scientific perspective, results are not considered valid until somebody else has repeated them.

Patents are used to protect intellectual property. With the exception of the United States, the critical date is when a patent application is filed, not the date the discovery was made.

In the United States, the date of invention is often established using laboratory notebooks. The primary requirement is that the pages be dated, signed, and witnessed. It is fine to keep the notebook pages in a loose-leaf binder. One pragmatic way to deal with the legal issues of electronic laboratory notebooks is to print out each page, including all the links, sign it, date it, witness it, and put it in a binder. Most of the lawyers I have spoken with believe that this is not really necessary. They believe that the Patent Office would accept an electronic lab notebook when a log is kept of every modification that is made. The logs can be written to optical disks with a date and time stamp and, if warranted, a digital signature. If every change you make to your notebook is written into a log that you do not have access to, then it becomes very hard to fake entries. Deception would probably require a conspiracy, more than one person. I see no need to make an electronic notebook any more tamperproof than a paper system. Restricting unauthorized access to the information is of greater concern."

Reliability Quotes: **Relevance:** **Not Relevant**

Accuracy Quotes: **Relevance:** **Not Relevant**

Metadata Quotes: **Relevance:** **Not Rated**

1) "A Scientific Data Management (SDM) system was developed to manage EMSL's 20-terabyte robotic tape archive. SDM captures and stores metadata (information about the data) so that needed files can be located easily, even by scientists in other disciplines." p. 132

2) "For each of these kinds of data, it's crucial to keep some metadata—information about the data, for example, who made it, when, the chemical system under study, and experimental parameters such as temperature, laser frequency, or acceleration potentials. This metadata is the key to a real strength of electronic notebooks. We want the notebook software to be able to retrieve anything we need from the notebook without paging through it, and also organize that information into useful forms. Metadata makes that much easier and more accurate than "full text" searching (which can also be done). The collection of metadata should be as automatic as possible, relieving the scientist from the tedium of recording things like instrument parameters." p. 133-134

3) "It is likely that a minimal set of metadata will be made available with each DOI [Digital Object Identifier, see Policy Quote No. 2] that will provide for identification of digital objects. It is also likely that abstracting and indexing services will include DOIs for items they cover and thus provide a much richer set of metadata for locating digital information." p. 207

Policy Quotes: **Relevance:** **Relevant**

1) "CENSA, the Collaborative Electronic Notebook Systems Association, is an industrial consortium promoting the development of commercial electronic notebook systems, with a large fraction of its partners from chemical and pharmaceutical companies. [21] CENSA aims to more rapidly advance the state of the art in electronic record keeping in ways suitable to large-scale deployment and preservation of intellectual property. One of CENSA's programs involves dialog with federal agencies and regulators around the issues of legal defensibility." p. 134

Footnote [21]: "See the Collaborative Electronic Notebook Systems Association (CENSA) Web site at <http://www.censa.org/>."

2) "The Digital Object Identifier (DOI) holds promise for providing persistent, seamless linking. The DOI affords a mechanism for a persistent link to digital objects, such as Web articles or their components, and is inherently a lookup mechanism." p. 207

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General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
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Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 200 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Geosciences, Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Neumayer, E. (2002). "Do we trust the data? On the validity and reliability of cross-national environmental surveys," Social Science Quarterly 83(1):332-340.

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 201 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Nickel, C., Winter, W. and Huber, L. (2000). "Part 7: Making legacy systems compliant," Biopharm [Suppl.](November):44+.

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Part of "Implementing 21 CFR Part 11 in Analytical Laboratories" supplement.

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 202 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Nova Scotia Records Management (1995). "Nova Scotia STAR: standard for administrative records," (Halifax, NS: Dept. of Supply & Services, Information & Technology Management Division, Nova Scotia Records Management), vi, 305 pp.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 203 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Engineering
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Norgett, G. (1998). "Ensuring the signal integrity of digital transmissions," International Broadcast Engineer 293:25-26, 29.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 204 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Nova Scotia Records Management (1993). "Status of records management in the Government of Nova Scotia," (Halifax, NS: Dept. of Supply and Services, Systems and Computer Services Division, Nova Scotia Records Management), 42 pp.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 205 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences, Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Olson, L. (2001). "Electronic record challenges for clinical systems," Drug Information Journal 35(3):721-730.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 206 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Mathematical and Physical Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Östman, A. (1997). "The Specification and Evaluation of Spatial Data Quality," Proceedings from the 18th ICA/ACI International Conference, Stockholm Sweden, 23-27 June 1997, vol. 2, pp. 836-847.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 207 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Mathematical and Physical Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Pallaschke, S. and Housden, J. (1990). "Tracking accuracy evaluation for data relay and user satellites," Acta Astronautica 21(1):13-22.

Web Source Link:

General Notes: **Overall Relevance:** **Not Rated**

Abstract:

The demand for almost continuous coverage for close Earth orbiting satellites necessitates the use of data relay systems. The European Space Agency is currently studying the in-orbit infrastructure and is preparing a European data relay system, not only to be used for telemetry and telecommand purposes but also for tracking support. This paper deals with the tracking aspects of the user satellites and derives the requirements on the position accuracy of the data relay satellites. This orbit accuracy requirement is about 70, 25, 10 m (along track, cross track, radial) and can be achieved in routine cases with a few ranging stations suitably distributed in the European area. However, the use of an additional ranging station outside Europe, preferably in the Southern Hemisphere would aid the determination of the orbit after manoeuvres, especially after inclination control manoeuvres. Adequate knowledge of the position could then be achieved after about 4 h of dense tracking.

Authenticity Quotes:	**Relevance:** **Not Rated**
Reliability Quotes:	**Relevance:** **Not Rated**
Accuracy Quotes:	**Relevance:** **Not Rated**
Metadata Quotes:	**Relevance:** **Not Rated**
Policy Quotes:	**Relevance:** **Not Rated**

Citation No.: 208 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Park, E.G. (2001). "Morphological and semantic analysis of language uses and concepts of authenticity in electronic records systems," Canadian Journal of Information and Library Science-Revue Canadienne Des Sciences de L Information et de Bibliotheconomie 26(4):81-81.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 209 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Park, E.G. (2001). "Understanding 'authenticity' in records and information management: analyzing practitioner constructs," American Archivist 64(2):270-291.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 210 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Scottish Partnership Agency for Palliative and Cancer Care (1998). Patient held records in palliative care and cancer care: practical proposition or pie in the sky?, (Edinburgh, Scotland: Scottish Partnership Agency for Palliative and Cancer Care)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 211 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Peck, S.H. (1995). "Review of the storage and disposal of health care records in British Columbia: report," (Victoria, BC: Ministry of Health & Ministry Responsible for Seniors), iv, 32 pp.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 212 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Peritz, R.J. (1985). "Computer Data and Reliability: A Call for Authentication of Business Records under the Federal Rules of Evidence," Northwestern University Law Review 80(4):956-1002.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 213 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Geosciences
Annotator(s): [no annotator given]

Citation Bibliographic Information

Perugini, N. (1997). "Behind the Accuracy of Electronic Charts: What Every Mariner Should Know About Electronic and Paper Charts," Rep. No. PB2002109197 (Silver Spring, MD: Office of Coast Survey; National Oceanic and Atmospheric Administration)

Web Source Link:

General Notes: **Overall Relevance:** **Not Relevant**

Not Appropriate -deals with use of electronic GPS-hybrid charts, not the quality of such charts.

Authenticity Quotes:	**Relevance:**	**Not Relevant**
Reliability Quotes:	**Relevance:**	**Not Relevant**
Accuracy Quotes:	**Relevance:**	**Not Relevant**
Metadata Quotes:	**Relevance:**	**Not Relevant**
Policy Quotes:	**Relevance:**	**Not Relevant**

Citation No.: 214 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences, Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Phillips, J.T. (1997). "Do electronic objects create business risk?," Records Management Quarterly 31(1):37-40.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 215 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Ponder, W.F., Carter, G.A., Flemons, P. and Chapman, R.R. (2001). "Evaluation of Museum Collection Data for Use in Biodiversity Assessment," Conservation Biology 15(3):648-657.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 216 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences, Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Poullet, Y., Julia-Barcelo, R. (1997). "Health telematics networks: Reflections on legislative and contractual models providing security solutions," EDI Law Review 4(3):177-203.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 217 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Office of Critical Infrastructure Protection and Emergency Preparedness (1994). "The preservation of essential records: a guide for governments, organizations, institutions and businesses," (Ottawa, ON: Office of Critical Infrastructure Protection & Emergency Preparedness)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 218 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

American Society for Testing and Materials (1998). "Provisional Standard Specification for Authentication of Healthcare Information Using Digital Signatures," (ASTM Standard), Rep. No. ASTMPS10097 (West Conshohocken, PA: American Society for Testing and Materials)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 219 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Pruitt, G.B. (1997). "Ensuring Integrity and Confidentiality of Electronic Medical Records," Proceedings of the Annual Himss Conference, pp. 4[?], 71-80.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 220 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Rawlings-Milton, M. (2000). "Electronic Records and the Law: Causing the Federal Records Program to Implode? ," Dissertation Abstracts International, A: The Humanities and Social Sciences 61(6):2462-A.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 221 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Reed, B. (1997). "Electronic records management in Australia," Records Management Journal 7(3):191-204.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 222 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Reed, M. (2003). "Audit trails: HIPAA's system of checks and balances," Journal of the American Health Information Management Association 74(2):44-45.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 223 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Mathematical and Physical Sciences, Engineering
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Reid, K. (1994). "Authenticity and verification of aeronautical data," Journal of Navigation 47(2):121-124.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 224 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Institute of Medicine (1977). "Reliability of Medicare Hospital Discharge Records," Rep. No. IOM7705; PB2816809 (Washington, DC: Institute of Medicine)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 225 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences, Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Riesmeier, J., Eichelberg, M., Kleber, K., Gronemeyer, D.H.W., Oosterwijk, H. and Jensch, P. (2002). "Authentication, integrity and confidentiality in DICOM structured reporting: Concept and implementation," Proceedings of SPIE - The International Society for Optical Engineering,

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 226 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Rigby, M. and Robins, S. (1996). "Practical success of an electronic patient record system in community care - A manifestation of the vision and discussion of the issues," International journal of bio-medical computing 42(1-2):117-122.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 227 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Engineering
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Rippon, S. (1996). "Electronic document management at Sizewell B," Nuclear Engineer 37(4):110-113.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 228 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Roy, S., Hogan, C.J., Wood, E.M., Robertson, M., Boyce, C.A. and Haeusler, M. (2002). "Accuracy of clinical documentation of transfusion in patients' records - An analysis in intensive care unit (ICU)," 27th Congress of the International Society of Blood Transfusion,

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 229 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Rubin, H.R. (1995). "Comparison of the Accuracy of Several Systems for Hospital Quality Screening and Assessment," Rep. No. PB95231015 (Baltimore, MD: Office of Research and Demonstrations; Johns Hopkins Program for Medical Technology and Practice Assessment. Sponsor: Health Care Financing Administration, Baltimore, MD)

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 230 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Engineering
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Ruosi, A., Valentino, M., Pepe, G., Monebhurrun, V., Lesselier, D. and Duchene, B. (2000). "High Tc SQUIDs and eddy-current NDE: a comprehensive investigation from real data to modelling," Measurement Science and Technology 11(11):1639-1648.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 231 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Sable, J. and Dickson, R. (1976). "The Analysis of Credibility and Consistency in Intelligence Data," Rep. No. AAI2329TR1; RADCTR76392; ADA0360693 (United States

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 232 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Sanders, D.E. (1995). "The effect of information cost, source reliability, and individuating information on the perceived usefulness of summary information: A study in management accounting," Ph.D. diss. (Ann Arbor, MI: Univ. Microfilms International)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 233 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Sanett, S. (2002). "Toward developing a framework of cost elements for preserving authentic electronic records into perpetuity," College & Research Libraries 63(5):388-404.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 234 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Sato, T. (1982). "Reliability of Patient Information in Large Health Services Data Files," Association of American Geographers Annual Meeting,

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 235 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Sayer, G.P., McGeechan, K., Kemp, A., Bhasale, A., Horn, F. and Hendrie, L., et al. (2003). "The General Practice Research Network: the capabilities of an electronic patient management system for longitudinal patient data," Pharmacoepidemiology and drug safety 12(6):483-489.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 236 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Office of Management and Budget, United States (1991). "Seminar on Quality of Federal Data. Parts 1-3. Held on May 23-24, 1990," Rep. No. STATISTICAL POLICY WP20; PB91142414 (Washington, DC: Office of Information and Regulatory Affairs; Office of Management and Budget)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 237 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Shaw, N.T. (2003). "Electronic patient records in primary care: study has serious flaw," BMJ (Clinical research ed.) 327(7415):622-b.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 238 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Shenfield, G.M., Robb, T. and Duguid, M. (2001). "Recording previous adverse drug reactions: A gap in the system," British journal of clinical pharmacology 51(6):623-626.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 239 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Geosciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Shotyk, W., Norton, S.A. and Farmer, J.G. (1997). "Summary of the workshop on peat bog archives of atmospheric metal deposition," Water, Air, & Soil Pollution 100(3-4):213-219.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 240 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Sies, R. (1996). "Manager's Guide for Monitoring Data Integrity in Financial Systems," Rep. No. NASA no. 19980017390; PB96-165915; NIST/SP-500-233 (Gaithersburg: National Inst. of Standards and Technology)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 241 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Simmons, G.J. (1987). "Natural Taxonomy for Digital Information Authentication Schemes," Rep. No. SAND870800C; CONF8708332; DE87011861 (Albuquerque, NM: Sandia National Labs)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 242 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Slater, R. (2001). "Challenges and changes: A review of issues surrounding the digital migration of government information," Science & Technology Libraries 21(1-2):153-162.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 243 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Smith, M.F. (1998). "Privacy, confidentiality and safety of healthcare information systems: better information is needed," Health Informatics Journal 4(3 and 4):124-127.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 244 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Smith, T.H. (1983). "Computers and the law of evidence," Transnational Data Report on Information Politics and Regulation 6:451-454.

Web Source Link:

General Notes: **Overall Relevance:** **Not Rated**

[problems in proving the accuracy and reliability of evidence produced by computer; Australia; based on conference paper]

Authenticity Quotes: **Relevance:** **Not Rated**

Reliability Quotes: **Relevance:** **Not Rated**

Accuracy Quotes: **Relevance:** **Not Rated**

Metadata Quotes: **Relevance:** **Not Rated**

Policy Quotes: **Relevance:** **Not Rated**

Citation No.: 245 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [no annotator given]

Citation Bibliographic Information

Southampton University ([n.d. given]). "Authentication for publication," : Southampton University)

Web Source Link:

General Notes: **Overall Relevance:** **Not Rated**

The project is intended to address the technical and management issues related to the authentication of dissertations, theses and research papers that have been submitted electronically. Specifically it will focus on documents intended for publication in the Southampton University e-Prints Archive which is being developed with the support of JISC. Acknowledgement: http:/ /www.jisc.ac.uk.

Authenticity Quotes: **Relevance:** **Not Rated**

Reliability Quotes: **Relevance:** **Not Rated**

Accuracy Quotes: **Relevance:** **Not Rated**

Metadata Quotes: **Relevance:** **Not Rated**

Policy Quotes: **Relevance:** **Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 246 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): Erin O'Meara

Citation Bibliographic Information

Sprague, R. (1982). "The Preservation of Written and Printed Archaeological Records," Northwest Anthropological Research Notes 16(2 Fall):206-211.

Web Source Link:

General Notes: **Overall Relevance:** **Relevant**

This article came from a special collection of articles entitled, "Archaeology for the Future: The Preservation of Archaeological Collections." In 1982, electronic records were not a huge concern for archaeologists, so this is why the title of the article does not include electronic media. The article is pertinent though, because the ideas about recordkeeping within it are still being applied by some archaeologists to analog, as well as electronic records they create and manage.

On the surface this article consists of mainly a description of what Sprague considers records of long-term value in archaeology and how to arrange and store them. Some of Sprague's suggestions for arrangement and physical storage are questionable, but must have seemed appropriate to some since the ideas were subsequently published. Regardless of some of his suggestions, Sprague is trying to instigate a conceptual change in recordkeeping within archaeology. It is summed up in his last paragraph, "It is ironic that an archaeologist who saves every possible evidence of human occupation from a site and who would never deposit one artifact in a repository without first labeling it will fail to keep adequate records or even label the records that are kept. A collection of artifacts without proper documentation is nothing more than a bunch of curios but a complete set of site records even without the accompanying artifacts is an invaluable record of the past." p.211

Quotes for Terminology group:
(1) "Why do I suggest keeping all of the draft copies?...Draft number one through the final copy shows a researcher in the future how the archaeologist was thinking and how he changed his ideas…It also shows some of the errors you make. Sometimes the errors creep in as the drafts go along in which case you can go back and find what you originally said. Of course we will not have as many drafts to file in the future with word processors." p. 208
(2) Watch over your records and prevent alteration. People have been known to change archaeological records. Maintain security, do not let just anyone in the lab to check out records. Have a check out system so you know when a file has been taken, who has it, and your inventory tells you what was in that file. Maintain a record in the file cabinet of who checked out what and when." p. 210 - .

Authenticity Quotes: **Relevance:** **Not Relevant**

Reliability Quotes: **Relevance:** **Relevant**

(1) Watch over your records and prevent alteration. People have been known to change archaeological records. Maintain security, do not let just anyone in the lab to check out records. Have a check out system so you know when a file has been taken, who has it, and your inventory tells you what was in that file. Maintain a record in the file cabinet of who checked out what and when." p. 210 -

Accuracy Quotes: **Relevance:** **Relevant**

(1) "Why do I suggest keeping all of the draft copies?...Draft number one through the final copy shows a researcher in the future how the archaeologist was thinking and how he changed his ideas…It also shows some of the errors you make. Sometimes the errors creep in as the drafts go along in which case you can go back and find what you originally said. Of course we will not have as many drafts to file in the future with word processors." p. 208

Metadata Quotes: **Relevance:** **Not Relevant**

Policy Quotes: **Relevance:** **Not Relevant**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 247 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Mathematical and Physical Sciences, Geosciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Stehman, S.V. (1992). "Comparison of systematic and random sampling for estimating the accuracy of maps generated from remotely sensed data," Photogramm Eng Remote Sens. 58(9):1343-1350.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 248 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences, Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Stenberg, S. and Henion, J. (2002). "Meeting the Electronic Records Rules requirements in a contract laboratory," American Laboratory 34(3):50-57.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 249 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

[no author given] (2003). "Study reveals benchmarking flaws of many report cards, quality rankings," Healthcare Benchmarks Qual Improv 10(8):85-88.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 250 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Sussman, J.L., et al. (1998). "Protein Data Bank (PDB): Database of three-dimensional structural information of biological macromolecules," Acta Crystallographica Section D-Biological Crystallography 54(6 PART 1):1078-1084.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 251 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Statistics Canada (1991). Symposium '90, Measurement and Improvement of Data Quality (7th: Ottawa, Ontario), (Ottawa, ON: Statistics Canada), 361 pp.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 252 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences, Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Takeda, H., et al. (2000). "Architecture for networked electronic patient record systems," International Journal of Medical Informatics 60(2):161-167.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 253 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Tammelleo, A.D. (1994). "Authenticity of medical records attacked," Regan Report on Medical Law 27(11):4.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 254 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Taylor, H. (2003). "An exploration of the factors that affect nurses' record keeping," British Journal of Nursing 12(12):751-754.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 255
Date Created: 01-Dec-2003
Focus Group: 2
Last Modified: 09-May-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Thiru, K., Hassey, A. and Sullivan, F. (2003). "Systematic review of scope and quality of electronic patient record data in primary care," BMJ (Clinical research ed.) 326:1070-1074.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 256 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Mathematical and Physical Sciences
Annotator(s): Reg White

Citation Bibliographic Information

Thibodeau, K. (1995). "Preserving Scientific Information on the Physical Universe," IASSIST Quarterly (Winter):25-29.

Web Source Link:

General Notes: **Overall Relevance:** **Marginally Relevant**

This article discusses scientific data, which can be understood to be the collection of raw data. A distinction is made between observational and experimental data, with the former seeming to have more long-term value. 'Digital data files,' the 'long-term scientific value of records,' and the 'life-cycle of scientific data' are mentioned, as is Title 44 of the United States Code, which "states that federal records are preserved or appropriate for preservation either as evidence or 'because of the informational value of the data in them.'"

It is noted, in general, that "records are not transferred to government custody until" they are no longer active. The National Research Council 1995 study on "Preserving scientific data on our physical universe, a new strategy for archiving the Nation's scientific information resources," concludes that "as a general rule, all observational data that are nonredundant, useful, and documented well enough for most primary uses should be permanently maintained." It goes on to say that recent "technological developments make it possible to save everything…" but notes that funding is a problem, and this type of activity is a "secondary concern in scientific culture…."

The closest the article comes to using any of the three terms to be searched for is when it addresses the appraisal of the long-term value of data and says it must be determined "if they are as purported…."

Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 257 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Theofanos, M.F. and Phillips, J.T. (1994). "Digital signatures: signing and notarizing electronic forms," Records Management Quarterly 28(2):18-22.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 258 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Tikhonov, C. (1998). "International activities toward electronic health records: Unique identification and PKI," Rep. No. MIC9904537 (Ottawa, ON: Office of Health & the Information Highway)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 259 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences, Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Trcek, D. (1998). "Minimising the risk of electronic document forgery," Computer Standards & Interfaces 19(2):161(6).

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 260 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences, Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

United States (1997). "House. Com. on Banking and Fin. Services. Subcom. on Domestic and Internat. Monetary Policy," The federal role in electronic authentication: hearing, July 9, 1997, Rep. No. SD cat. no. Y 4.B 22/1:105-21, iii+174 pp.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 261 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

United States (1999). "Senate. Com. on Banking, Housing, and Urban Affairs. Subcom. on Fin. Services and Technol.," The Digital Signature and Electronic Authentication Law [seal] of 1998--S. 1594: hearing, March 11, 1998, to amend the Bank Protection Act of 1968 for purposes of facilitating the use of electronic authentication techniques by financial institutions, and , Rep. No. SD cat. No. Y 4.B 22/3:S.hrg:105-896, iii+51 pp.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 262 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Van Der Haak, M., Wolff, A.C., Brandner, R., Drings, P., Wannenmacher, M. and Wetter, T. (2003). "Data security and protection in cross-institutional electronic patient records," International Journal of Medical Informatics 70(2-3):117-130.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 263 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Van Vlerken, P. (2000). "Message authentication, integrity and non-repudiation from paper to PKI: An information management discussion paper -- Draft," Rep. No. MIC10004208 (Ottawa, ON: Treasury Board. Chief Information Officer Branch)

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 264
Focus Group: 2
Science Field(s): Geosciences
Annotator(s): Erin O'Meara

Date Created: 01-Dec-2003
Last Modified: 15-Apr-2004

Citation Bibliographic Information

Vitek, J.D., Walsh, S.J. and Gregory, M.S. (1984). "Accuracy in Geographic Information Systems: An Assessment of Inherent and Operational Errors.," Spatial Information Technologies for Remote Sensing Today and Tomorrow. Proceedings of Pecora No. 9, (Silver Springs, MD: IEEE) pp. 296-302.

Web Source Link:

General Notes:

Overall Relevance: **Relevant**

This paper describes the different types of errors that can be present within GIS and how to combat them. As the title states, the word accuracy is used quite frequently throughout the paper. The authors describe the relative accuracy of different types of maps and the procedures of constructing a map from a GIS and the opportunity for error in each stage. Two different types of error are described, inherent and operational error. The authors stress the need for specifying how accurate a GIS is. The goal is not the impossible of erasing all possibility of error, but that responsibility is put on the researcher to indicate the level of error present so that another research will not "draw false or invalid conclusions." The conclusion of the article calls for new methods for creating a more accurate map, & statements of accuracy attributed to a map and tests for accuracy.

Authenticity Quotes:

Relevance: **Not Relevant**

Reliability Quotes:

Relevance: **Not Relevant**

Accuracy Quotes:

Relevance: **Relevant**

(1) "Two sources of error, inherent error and operational error, contribute to the accuracy of the products produced by geographic information systems." (p. 296).
(2) "Other questions such as "can we account for the error at various stages in the development of the final product" will be addressed." (p.296).
(3) "The amount of error [in a map] is a function of the assumptions, methods, and procedures employed." (p. 297).
(4) "The value of geographic information systems is the function of rapid data manipulation." (p. 299).
(5) "Accuracy of the final map is a function of the number of map layers, the accuracy of these layers, and the coincidence of errors at the same position from several map layers." (p. 301).

Metadata Quotes:

Relevance: **Not Relevant**

Policy Quotes:

Relevance: **Not Relevant**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 265 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Waegemann, C.P. (1998). "Toward an electronic patient record," Toward an Electronic Patient Record, UME 2 Proceedings,

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 266 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Wang, H.A., Wang, Y. and Wang, S. (2001). "Digital signature technology for health care applications," Southern Medical Journal 94(3):281-286.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 267 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Wang, S. and Chang, J. (1996). "Smart card based secure password authentication scheme," Computers & Security 15(3):231-257.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 268 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Warr, D., McKinney, S.a dn Tannock, I. (1983). "Influence of measurement error on assessment of tumor response," American Society of Clinical Oncology 19th Annual Meeting,

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 269 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): Claire Lysnes

Citation Bibliographic Information

Weaver, D.A. (2000). "The Accuracy of Survey-Reported Marital Status: Evidence from Survey Records Matched to Social Security Records," Demography 37(3):395-399 .

Web Source Link:

General Notes: **Overall Relevance:** **Not Relevant**

Not Appropriate -deals with the misreporting of personal data, not the maintenance of such data in regards to accuracy, reliability and authenticity.

Authenticity Quotes:	**Relevance:** **Not Relevant**
Reliability Quotes:	**Relevance:** **Not Relevant**
Accuracy Quotes:	**Relevance:** **Not Relevant**
Metadata Quotes:	**Relevance:** **Not Relevant**
Policy Quotes:	**Relevance:** **Not Relevant**

Citation No.: 270 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences, Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Webber, J. (2000). "Electronic Signatures and Laboratory Data Management," Scientific Computing & Instrumentation 17(3):29.

Web Source Link:

General Notes:	**Overall Relevance:** **Not Rated**
Authenticity Quotes:	**Relevance:** **Not Rated**
Reliability Quotes:	**Relevance:** **Not Rated**
Accuracy Quotes:	**Relevance:** **Not Rated**
Metadata Quotes:	**Relevance:** **Not Rated**
Policy Quotes:	**Relevance:** **Not Rated**

Citation No.: 271 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Biological Sciences, Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Wechsler, J. (2003). "Electronic Records, Pediatrics, and pros," Applied Clinical Trials 12(4):22.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 272 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Weir, C.R., Hurdle, J.E., Felgar, M.A., Hoffman, J.M., Roth, B. and Nebeker, J.R. (2003). "Direct text entry in electronic progress notes - An evaluation of input errors," Methods of information in medicine 42(1):61-67.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 273 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences, Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Weiss, G. (2002). "Welcome to the (almost) digital hospital," IEEE Spectrum 39(3):44-49.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 274 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Wejland, A.P. (1993). "Interview Method and the Authenticity of Sociological Information," Przeglad Socjologiczny 40(2):224-229.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 275 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Mathematical and Physical Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Welch, W.L. and Edison, T. (1981). "Preservation and restoration of authenticity in sound recordings-to standards," Library Trends 30(2):297-305.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 276 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Westbrook, J., Feng, Z., Jain, S., Bhat, T.N., Thanki, N., Ravichandran, V., Gilliland, G.L., Bluhm, W., Weissig, H., Greer, D.S., Bourne, P.E. and Berman, H.M. (2002). "The Protein Data Bank: unifying the archive," Nucl. Acids 30:245-248.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 277 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Wheatcroft, S.G. (1999). "Victims of Stalinism and the Soviet Secret Police: The Comparability and Reliability of the Archival Data - Not the Last Word," Europe-Asia Studies 51(3):315.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 278 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

White, J. (2002). "Control of quality records in the pharmaceutical industry," Pharmaceutical Technology International 14(11):53-54.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 279 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Whitter, J. (1999). "Policies concerning the acceptance of electronic signatures: states take the lead," National Governors' Association,

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 280 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences, Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Wilcock, J.D., Fletcher, M., Spicer, R.D., Zambardino, R.A., Bell, M.A., Huggett, J.W., et al. (n.d.). "Computer applications in archaeology, microprocessors, data capture, information retrieval, statistics, graphics, publication," (United Kingdom: British Archaelological Reports)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 281 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Wilson, S. (1999). "Digital signatures and the future of documentation," Information Management and Computer Security 7(2):83-87.

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 282 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Winter, W. and Huber, L. (2000). "Ensuring Data Integrity in Electronic Records," Biopharm 13(11):24-27.

Web Source Link:

General Notes: **Overall Relevance:** Not Rated

[This is a duplicate citation with Citation No. 284]

Authenticity Quotes: **Relevance:** Not Rated

Reliability Quotes: **Relevance:** Not Rated

Accuracy Quotes: **Relevance:** Not Rated

Metadata Quotes: **Relevance:** Not Rated

Policy Quotes: **Relevance:** Not Rated

Citation No.: 283 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Winter, W. and Huber, L. (2000). "Implementing 21 CFR Part 11 in analytical laboratories: Part 2, Security aspects for systems and applications," Biopharm 13(1):44-50.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 284 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Winter, W. and Huber, L. (2000). "Implementing 21 CFR Part 11 in analytical laboratories: Part 3, Ensuring data integrity in electronic records," Biopharm 13(3):45-49.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 285 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Winter, W. and Huber, L. (2000). "Implementing 21 CFR Part 11 in analytical laboratories: Part 4, Data migration and long-term archiving for ready retrieval," Biopharm 13(6):58-64.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 286 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Winter, W. and Huber, L. (2000). "Implementing 21 CFR Part 11 in analytical laboratories: Part 5, The importance of instrument control and data acquisition," Biopharm 13(9):52-56.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 287 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Winter, W. and Huber, L. (2000). "Implementing 21 CFR Part 11 in analytical laboratories: Part 6, Biometric identification: Limits and possibilities," Biopharm [Suppl.](November):40-43.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 288 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Biological Sciences
Annotator(s): Kevin Glick

Citation Bibliographic Information

Winter, W. and Huber, L. (2003). "Part 11 Is Not Going Away: The New Electronic Records Draft Guidance," Biopharm International 16(5):28-34.

Web Source Link:

General Notes: **Overall Relevance:** **Relevant**

This is a short jargon-heavy trade journal article that is updating pharmaceutical industry people on the status of FDA recordkeeping regulations. The concepts of trustworthiness and reliability are discussed in a manner similar to InterPARES 1.

Authenticity Quotes: **Relevance:** **Relevant**

(1) "The trustworthiness and reliability of data managed by these systems is highly dependent on efficient technical controls that ensure security, data integrity, and traceability." (p. 30);
(2) "Device checks continue to be key mechanisms for ensuring that critical records are trustworthy and reliable." (p. 32);
(3) "Records that fall into this category need to be trustworthy and reliable. Therefore, key technical controls are required for access security, operational systems and device checks, open system controls, and electronic signatures, along with appropriate staff training, documentation, and change control." (p. 34).
(4) "Managing metadata electronically (including the instrument's control parameters) is important for ensuring trustworthy and reliable results in the original spirit of 21 CFR Part 11." (p. 34).

Reliability Quotes: **Relevance:** **Relevant**

(1) "The trustworthiness and reliability of data managed by these systems is highly dependent on efficient technical controls that ensure security, data integrity, and traceability." (p. 30);
(2) "Device checks continue to be key mechanisms for ensuring that critical records are trustworthy and reliable." (p. 32);
(3) "Records that fall into this category need to be trustworthy and reliable. Therefore, key technical controls are required for access security, operational systems and device checks, open system controls, and electronic signatures, along with appropriate staff training, documentation, and change control." (p. 34).
(4) "Managing metadata electronically (including the instrument's control parameters) is important for ensuring trustworthy and reliable results in the original spirit of 21 CFR Part 11." (p. 34).

Accuracy Quotes: **Relevance:** **Not Relevant**

Metadata Quotes: **Relevance:** **Relevant**

(1) "Managing metadata electronically (including the instrument's control parameters) is important for ensuring trustworthy and reliable results in the original spirit of 21 CFR Part 11." (p. 34).

Policy Quotes: **Relevance:** **Relevant**

Policy Cross-Domain notes:
(1) See (CPG 7153.17) regarding the policy enforcement of Part 11, as well as a number of draft guidance documents, including a glossary of terms, and others related to validation, time stamps, maintenance, and copies of electronic records.
(2) FDA, "Code of Federal Regulations, Title 21 Food and Drugs, Part 11 Electronic Records; Electronic Signatures: Final Rule," Federal Register 62(54), 13429-13466 (March 20, 1997).

InterPARES 2 Annotated Bibliography Citation

Citation No.: 289 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Engineering
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Wong, S.T.C., Abundo, M. and Huang, H.K. (1995). "Authenticity techniques for PACS images and records [2435-09]," Proceedings - Spie the International Society for Optical Engineering 9[?](2435[?]):68-79.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 290 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences, Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Woodrum, T.D. (2001). "Migrating, Archiving, and Reconstructing Electronic Records in a Regulatory Environment," Drug Information Journal 35 (1):95-98.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 291 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Woods, C.R. (1999). "Accuracy of electronically-captured diagnosis data: Effects of different measures of matching between an encounter form-derived database and the medical record," Pediatric research 45(4 PART 2)

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 292 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Wright, T. (2001). "Secure digital archiving of high-value data," BT Technology Journal 19(3):60-6.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 293 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Engineering
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Yanek, N. (1992). "Overcoming the Document Management Blues," Plan Print 65(11/12):32-34.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 294 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Young, A., Chadwick, D. and New, J. (2001). "Providing secure remote access to legacy healthcare applications," Computing and Control Engineering Journal 12(4):148-156.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 295 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Computer and Information Sciences, Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Yusuf, M. (1997). "Reliability and accountability of digital information through time," International Information and Library Review 29(3-4):339-355.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 296 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Zemskov, V.N. (1992). "On the Authenticity of Statistical Records of the Gulag," Sotsiologicheskie Issledovaniya 6:155-156.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

InterPARES 2 Annotated Bibliography Citation

Citation No.: 297 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Zhang, N., Shi, Q. and Merabti, M. (1999). "A flexible approach to secure and fair document exchange," Computer journal 42(7):569-581.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 298 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 09-May-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Zhou, X.Q., et al. (2001). "Authenticity and integrity of digital mammography images," IEEE Transactions on Medical Imaging 20(8):784 791.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 299 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences, Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Zoeckler, K.P. (2001). "Information Technology A Framework for Implementing Electronic Records Programs - The Legal Acceptability Guide for Electronic Records (LAGER)," American Pharmaceutical Review 4(4):88-94.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

Citation No.: 300 **Date Created:** 01-Dec-2003
Focus Group: 2 **Last Modified:** 15-Apr-2004
Science Field(s): Biological Sciences, Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Zuckerman, A.E. (2001). "Restructuring the electronic medical record to incorporate full digital signature capability," Journal of the American Medical Informatics Association :791-795.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 301 **Date Created:** 06-May-2004
Focus Group: 2 **Last Modified:** 06-May-2004
Science Field(s): Computer and Information Sciences
Annotator(s): Randy Preston

Citation Bibliographic Information

National Research Council of the National Academies, United States (2003). "Ensuring the Quality of Data Disseminated by the Federal Government: Workshop Report," Ad Hoc Committee on Ensuring the Quality of Government Information. Science, Technology, and Law Program. Policy and Global Affairs, (Washington, DC: The National Academies Press), i-x + 82 pp.

Web Source Link: http://www.nap.edu/books/0309088577/html/

General Notes: **Overall Relevance:** **Relevant**

Although the primary focus throughout this report appear to be on reliability and accuracy issues related to data within records rather than the records themselves, the distinction is not always certain. As such, much of what is discussed with respect to reliability and accuracy seems relevant to IP2.

In the fall of 2000, Congress enacted the Data Quality Act, directing OMB to issue, by September 2001, government-wide guidelines to "provide policy and procedural guidance to federal agencies for ensuring and maximizing the quality, objectivity, utility, and integrity of information (including statistical information) disseminated by Federal agencies...." Accordingly, OMB issued proposed guidelines in June 2001, sought public comment, and issued revised guidelines in September 2001, seeking additional public comment. Final guidelines were issued in January 2002.

The OMB guidelines direct agencies to develop procedures for reviewing and substantiating "the quality (including the objectivity, utility, and integrity) of information before it is disseminated." The guidelines characterize quality as the "encompassing term," and the others are "constituents," with the following meanings:

1) Utility refers to the usefulness of the information to the intended users.

2) Objectivity focuses on whether the disseminated information is accurate, reliable and objective, and is presented in an accurate, clear, complete, and objective manner.

3) Integrity refers to the protection of information from unauthorized access or revision.

The OMB guidelines apply to information dissemination activities that vary in importance and scope, include all media (printed and electronic), and direct agencies to develop procedures that are consistent with their own missions, resources, and administrative practices. The guidelines also:

1) state that "agencies shall have a basic standard of quality (including objectivity, utility, and integrity) as a performance goal";

2) recognize a range of importance for government information, and asserted that more important information, such as "influential scientific, financial, or statistical information," should be held to a higher quality standard, with scientific or statistical results required to be "capable of being substantially reproduced";

3) require that agencies disseminating information regarding risks to human health, safety, and the environment either adopt or adapt the quality principles applied by Congress to risk information used and disseminated pursuant to the Safe Drinking Water Act Amendments of 1996;

4) require agencies to establish administrative mechanisms that allow affected persons to seek correction of information disseminated by the agency, as well as to establish an appeals process;

5) are designed to provide agencies flexibility in incorporating existing policies and procedures into the new guidelines; and

6) are designed to assure maximal usefulness of the information to the intended users.

Following expressions of concern from within the research community and a request made by OMB, The National Academies Science, Technology, and Law Program established an ad hoc committee to organize and host three

workshops at which federal agencies that are subject to the guidelines could share their views and listen to ideas and concerns from other parties. The workshops were not intended to produce recommendations, but to assist agencies in developing their own agency-specific guidelines.

This report provides a brief summary of the key issues raised during the presentations and discussion periods at all three workshops. Chapter 2 summarizes the workshops held on March 21-22, 2002, which focused on the OMB guidelines prior to issuance of agency-specific guidelines. Chapter 3 summarizes the workshop held on May 30, 2002, which focused on the draft versions of the agencies' guidelines.

Authenticity Quotes: **Relevance:** **Not Relevant**

Reliability Quotes: **Relevance:** **Relevant**

1) "Integrity refers to the protection of information from unauthorized access or revision." p. 12

2) "Objectivity focuses on whether the disseminated information is accurate, reliable and objective, and is presented in an accurate, clear, complete, and objective manner." p. 12

3) "The OMB guidelines direct agencies to develop procedures for reviewing and substantiating "the quality (including the objectivity, utility, and integrity) of information before it is disseminated."" p. 12

4) ""the statute talks about a review mechanism looking at agency compliance with the OMB guidelines—not actually whether the information itself is correct or incorrect, but whether the agencies complied with a process for developing that information."" p. 22

Accuracy Quotes: **Relevance:** **Relevant**

1) "As the volume of government information has increased, so have efforts by various groups to challenge the sources of that information, especially when it is used for regulatory or other rule-making activities. These challenges, in turn, have prompted more formal action to ensure the accuracy of information used by government agencies." p. 1

2) "Ms. Elaine Stanley of the Environmental Protection Agency discussed the agency's web-based integrated error correction system that the agency was considering using as part of the data quality correction process. Under this system, an error is defined as a "deviation from accuracy or correctness and described as the difference between observed and/or approximately determined value and the true value of a quantity." Ms. Stanley noted that a key principle in managing any correction mechanism is knowing who owns the data. "Knowing who has the responsibility and the authority over the original data or more broadly the information is the No. 1 principle in terms of trying to get it corrected and resolved…"" p. 22

3) "Professor Morrison, noted however, that if the agency takes the results of the report and "then issues a regulation or approves a product … and disseminates [the report] and says that this is the basis on which we are acting, it has in my judgment adopted it as its own and subject to some obvious practical limitations has got to make reasonable assurances that it is accurate." p. 10

4) "Objectivity focuses on whether the disseminated information is accurate, reliable and objective, and is presented in an accurate, clear, complete, and objective manner." p. 12

Metadata Quotes: **Relevance:** **Not Relevant**

Policy Quotes: **Relevance:** **Relevant**

1) "In the fall of 2000, Congress enacted the Data Quality Act, directing OMB to issue, by September 2001, government-wide guidelines to "provide policy and procedural guidance to federal agencies for ensuring and maximizing the quality, objectivity, utility, and integrity of information (including statistical information) disseminated by Federal agencies...." Accordingly, OMB issued proposed guidelines in June 2001, sought public comment, and issued revised guidelines in September 2001, seeking additional public comment. Final guidelines were issued in January 2002." p. 2

These guidelines were issued as: "Guidelines for Ensuring and Maximizing the Quality, Objectivity, Utility, and Integrity of Information Disseminated by Federal Agencies," January 3, 2002, 67 FR 369 and corrected version, February 5, 2002, 67 FR 5365, pp. 8452-8460.

InterPARES 2 Annotated Bibliography Citation

Citation No.: 303 **Date Created:** 11-May-2004

Focus Group: 2 **Last Modified:** 11-May-2004

Science Field(s): Social, Behavioral, and Economic Sciences, Computer and Information Sciences

Annotator(s): [not yet annotated]

Citation Bibliographic Information

McCartney, P., Robertson, I. and Cowgill, G.L. (2000). "Using Metadata to Address Problems of Data Preservation and Delivery: Examples from the Teotihuacan Data Archiving Project," Session Title: Digital Data: Preservation and Re-Use. 65th Annual Meeting of the Society for American Archaeology, Philadelphia, 2000,

Web Source Link: http://www.csanet.org/saa/mccartney.html

General Notes: **Overall Relevance:** **Not Rated**

SAA Session Abstract:

Collecting data in digital forms has become standard in archaeology. Virtually all digs today create some digital data, and a few have preserved nearly all their information in digital form. The preservation and re-use of such data, however, remain problematic. There are significant problems that make preservation difficult and re-use cumbersome. Speakers in this session will discuss some of the problems encountered with preservation and re-use of digital data from archaeological projects, some solutions already available for scholars, and some suggestions for future practices and projects.

Authenticity Quotes:	**Relevance:** **Not Rated**
Reliability Quotes:	**Relevance:** **Not Rated**
Accuracy Quotes:	**Relevance:** **Not Rated**
Metadata Quotes:	**Relevance:** **Not Rated**
Policy Quotes:	**Relevance:** **Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 304
Date Created: 09-May-2004
Focus Group: 2
Last Modified: 09-May-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Yakel, E. (2001). "The Social Construction of Accountability: Radiologists and Their Record-Keeping Practices," The Information Society 17(4):233-245.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 305 **Date Created:** 11-May-2004

Focus Group: 2 **Last Modified:** 11-May-2004

Science Field(s): Computer and Information Sciences, Social, Behavioral, and Economic Sciences

Annotator(s): [not yet annotated]

Citation Bibliographic Information

Robinson, D. (2000). "Digital Archiving Pilot Project for Excavation Records (DAPPER)," Session Title: Digital Data: Preservation and Re-Use. 65th Annual Meeting of the Society for American Archaeology, Philadelphia, 2000,

Web Source Link: http://www.csanet.org/saa/dapper.html

General Notes: **Overall Relevance:** **Not Rated**

SAA Session Abstract:

Collecting data in digital forms has become standard in archaeology. Virtually all digs today create some digital data, and a few have preserved nearly all their information in digital form. The preservation and re-use of such data, however, remain problematic. There are significant problems that make preservation difficult and re-use cumbersome. Speakers in this session will discuss some of the problems encountered with preservation and re-use of digital data from archaeological projects, some solutions already available for scholars, and some suggestions for future practices and projects.

Authenticity Quotes:	**Relevance:** **Not Rated**
Reliability Quotes:	**Relevance:** **Not Rated**
Accuracy Quotes:	**Relevance:** **Not Rated**
Metadata Quotes:	**Relevance:** **Not Rated**
Policy Quotes:	**Relevance:** **Not Rated**

InterPARES 2 Annotated Bibliography Citation

Citation No.: 306 **Date Created:** 11-May-2004

Focus Group: 2 **Last Modified:** 11-May-2004

Science Field(s): Computer and Information Sciences, Social, Behavioral, and Economic Sciences

Annotator(s): [not yet annotated]

Citation Bibliographic Information

Eiteljorg, H., II (2000). "If We Preserve the Files, Who Will Use Them?," Session Title: Digital Data: Preservation and Re-Use. 65th Annual Meeting of the Society for American Archaeology, Philadelphia, 2000,

Web Source Link: http://www.csanet.org/saa/saa-adap.html

General Notes: **Overall Relevance:** **Not Rated**

SAA Session Abstract:

Collecting data in digital forms has become standard in archaeology. Virtually all digs today create some digital data, and a few have preserved nearly all their information in digital form. The preservation and re-use of such data, however, remain problematic. There are significant problems that make preservation difficult and re-use cumbersome. Speakers in this session will discuss some of the problems encountered with preservation and re-use of digital data from archaeological projects, some solutions already available for scholars, and some suggestions for future practices and projects.

Authenticity Quotes:	**Relevance:** **Not Rated**
Reliability Quotes:	**Relevance:** **Not Rated**
Accuracy Quotes:	**Relevance:** **Not Rated**
Metadata Quotes:	**Relevance:** **Not Rated**
Policy Quotes:	**Relevance:** **Not Rated**

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Focus Group: 2 **Last Modified:** 11-May-2004

Science Field(s): Social, Behavioral, and Economic Sciences, Computer and Information Sciences

Annotator(s): [not yet annotated]

Citation Bibliographic Information

Richards, J.D. (2000). "Integrated Access To Historic Environment Information Resources," Session Title: Digital Data: Preservation and Re-Use. 65th Annual Meeting of the Society for American Archaeology, Philadelphia, 2000,

Web Source Link: http://www.csanet.org/saa/saa-ads.html

General Notes: **Overall Relevance:** **Not Rated**

SAA Session Abstract:

Collecting data in digital forms has become standard in archaeology. Virtually all digs today create some digital data, and a few have preserved nearly all their information in digital form. The preservation and re-use of such data, however, remain problematic. There are significant problems that make preservation difficult and re-use cumbersome. Speakers in this session will discuss some of the problems encountered with preservation and re-use of digital data from archaeological projects, some solutions already available for scholars, and some suggestions for future practices and projects.

Authenticity Quotes:	**Relevance:** **Not Rated**
Reliability Quotes:	**Relevance:** **Not Rated**
Accuracy Quotes:	**Relevance:** **Not Rated**
Metadata Quotes:	**Relevance:** **Not Rated**
Policy Quotes:	**Relevance:** **Not Rated**

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Focus Group: 2 **Last Modified:** 11-May-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

McCartney, P (2002). "Long-Term Management and Accessibility of Archaeological Research Data," Delivering Archaeological Information Electronically, , edited by Carroll, M.S. (Washington, DC: Society for American Archeology) pp. 91-100.

Web Source Link:

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

Citation No.: 309 **Date Created:** 11-May-2004
Focus Group: 2 **Last Modified:** 11-May-2004
Science Field(s): Computer and Information Sciences, Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Carroll, M.S. (2003). "From Data to Knowledge: Creating and Maintaining a Foundation for the Future," The Fifth World Archaeological Congress, Washington, D.C., June 21-26, 2003,

Web Source Link: http://godot.unisa.edu.au/wac/pdfs/162.pdf

General Notes:	**Overall Relevance:** Not Rated
Authenticity Quotes:	**Relevance:** Not Rated
Reliability Quotes:	**Relevance:** Not Rated
Accuracy Quotes:	**Relevance:** Not Rated
Metadata Quotes:	**Relevance:** Not Rated
Policy Quotes:	**Relevance:** Not Rated

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Focus Group: 2 **Last Modified:** 30-Sep-2004
Science Field(s): Social, Behavioral, and Economic Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Aldenderfer, M. (2002). "The Larger Context of Digital Data Dissemination and Preservation in Archaeology," Delivering Archaeological Information Electronically, , edited by Carroll, M.S. (Washington, DC: Society for American Archaeology) pp. 101-112.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**

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Science Field(s): Social, Behavioral, and Economic Sciences, Computer and Information Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Kimberly Barata
Piers Cain (2001). "Information, Not Technology, Is Essential to Accountability: Electronic Records and Public-Sector Finanancial Management," The Information Society 17:247-258.

Web Source Link:

General Notes: **Overall Relevance:** **Not Rated**

ABSTRACT:
Information technology is often seen by decision makers as a progressive measure for promoting public-sector financial accountability. One of the key assumptions is that electronic access to information increases transparency and thus, automatically, accountability. This linkage is overly simplified. There is potential conflict between the objectives of providing efficient access on the one hand and supporting accountability on the other. In Sub-Saharan Africa, financial functions were among the first to be automated. More recently, information technology is being used to control and decentralize financial systems. The improvement in financial accountability has yet to materialize. Evidence of this includes instances where corruption and thefts of state assets have gone unchecked. Many efforts to strengthen financial controls fail because the fundamental structures needed to underpin them are often overlooked; this includes record keeping.

Authenticity Quotes:	**Relevance:** **Not Rated**
Reliability Quotes:	**Relevance:** **Not Rated**
Accuracy Quotes:	**Relevance:** **Not Rated**
Metadata Quotes:	**Relevance:** **Not Rated**
Policy Quotes:	**Relevance:** **Not Rated**

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Focus Group: 2
Last Modified: 11-Nov-2004
Science Field(s): Biological Sciences
Annotator(s): [not yet annotated]

Citation Bibliographic Information

Marco Schwarz et al. (2001). "Implementation of an Integrated "Record and Verify" System for Data and Images in Radiotherapy," Tumori 87(1):36-41.

Web Source Link:

General Notes:	**Overall Relevance:**	**Not Rated**
Authenticity Quotes:	**Relevance:**	**Not Rated**
Reliability Quotes:	**Relevance:**	**Not Rated**
Accuracy Quotes:	**Relevance:**	**Not Rated**
Metadata Quotes:	**Relevance:**	**Not Rated**
Policy Quotes:	**Relevance:**	**Not Rated**