



InterPARES 2 Project

International Research on Permanent Authentic Records in Electronic Systems

Areas That Should Be Covered Validated

Case Study 09(1): Digital Moving Images: Altair4 di Roma. A Multimedia Archaeological Project: *The House of Julius Polybius.*

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Creator of the Fonds		
TOPIC	SPECIFICS	SOURCE
Name	Altair4 Multimedia. The digital entity was produced for Tokyo University.	FR, pg. 1
Location	Rome, Italy	FR, pg. 1
Origins	Founded and made up by three members: Pietro Galifi, Stefano Moretti, and Alessandro Furlan.	FR, pg. 1
Legal Status	Small private company (independent producer)	FR, pg. 1
Legislation	Copyright legislation	FR, pg. 8
	Legal rights related to contracts Relevant Italian and European Union law	Inferred
Norms	Norms depend on the organization or company contracting Altair4. For example, norms may be related to archaeology, European Union (MEDIA), and the Italian Ministry of Cultural Heritage, in addition to others.	Web site
		Inferred
Funding	Funding is received through contracts with national organizations and private companies.	FR, pg. 1
Resources	Altair4 has one location in Rome.	Web site
Governance	The company employs several staff members in addition to the three founding members. Altair4's organizational chart is on pg. 18.	FR, pg. 18
Mandate	To use the multimedia technology as a new and organic tool for communication characterized by a melding of different disciplines and methodologies. "A passion for art and history has influenced the choice of subjects addressed in the last few years."	FR, pg. 1
Philosophy	Promoting and popularizing artistic and cultural heritage.	FR, pg. 1
Mission	<ul style="list-style-type: none">Research and developmentCreate broadcast productionsCreate websites and information aidsCreate 3-D archaeological reconstructions	Web site
Functions	<ul style="list-style-type: none">Administration	Inferred

	<ul style="list-style-type: none"> • Production • Research 	
Recognitions	Altair4 has received many awards for their productions, including the Prix Möbius International and the Premio Immagine.	Web site
Activities Resulting in Document Creation		
<i>Administrative and Managerial Framework</i>		
TOPIC	SPECIFICS	SOURCE
General Description	Not available in report. Likely related to managing contracts, productions, and personnel.	
Type of activities	Not available in report.	
Documents resulting from activities	"Historical and iconographic documentation, photographs, architectural drawings, text, image, e-mail, data-base, vectorial, audio and sound files."	FR, pg. 9
Existence of a RM and/or archives program	No one formally works on the archival or records management program.	FR, pg. 1
Individuals responsible for preservation	A secretary informally looks after records management / archives, in amongst other duties. No specific means of preservation are used.	FR, pg. 1 FR, pg. 8
Existence of preservation strategies	It is assumed that records are kept by Altair4. Some related records may be kept by the contracting organization or company.	Inferred
Legal Requirements and Constraints	Copyright legislation Legal rights related to contracts Relevant Italian law	FR, pg. 8
Normative Requirements and Constraints	Norms depend on the organization or company contracting Altair4.	Inferred
Technological Requirements and Constraints	Not applicable in relation to the administrative activities.	
<i>Digital entity being studied</i>		
General Description	"The case study presented regards the multimedia virtual reconstruction of an archaeological site at Pompeii, namely the House of Polybius, destroyed in 79 AD by eruption of the Vesuvius. Altair4 was commissioned to undertake this project by Tokyo University - Graduate School of Humanities and Sociology, Faculty of Letters, which used the product for a touring educational exhibition". The final product is a digital video (According to http://www.altair4.it/eng/fcatal.htm)	FR, pg. 1 Web site
Type of activities	Images were initially created on paper, and then were transferred to digital form. Altair4 began with modeling the front, and moved into the interior, as	FR, pg. 5

	this mirrored the archaeological process.	
Documents resulting from activities	Documents produced include text, image, e-mail, database, vectorial, audio and sound files. The process of creating a reconstruction is available on the Web site (http://www.altair4.it/eng/noflash/fre2.htm)	FR, pg. 3 Web site
Existence of preservation strategies	At the end of a project, Altair4 saves 90% of the digital entities created, with a final global backup. Daily back-ups of work are made, to CDROM or DVDROM. No preservation strategies are used. “Conventions are used to identify the digital entities and must be followed by all those involved in manipulating a file. They comprise the folder with project name/file object name/number of version and the last version file object name/final version. Files are organized in directories and sub-directories. Information is aggregated in the file name. The workflow needed to produce the film determines all the processes. The entities are passed from one group to the other group for manipulation and treatment.”	FR, pg. 2 FR, pg. 5, pg. 7 FR, pg. 5
Legal Requirements and Constraints	Copyright legislation Legal rights related to contracts Relevant Italian law	FR, pg. 8
Normative Requirements and Constraints	Archaeological norms Norms related to the contract with Tokyo University	FR, pg. 3
Technological Requirements and Constraints	The technological context is described in detail on pg. 2-3 of the Final Report. Hardware: Five dual-processor workstations were mainly used, assisted in the most demanding phases of rendering by four additional dual-processors (Athlon AMDs). Media types: Vectorial files: Created with 3D Studio Max, .MAX and .3DS files; Pictorial textures: Created with Adobe Photoshop, .PSD, .TGA, .TIF, .BMP and .GIF files; Tree Storm was used to reconstruct the garden.	FR, pg. 2-3 FR, pg. 5 FR, pg. 4