

Social Sciences and
Humanities

VisualMedia - Sharing and visualizing visual media files on the web

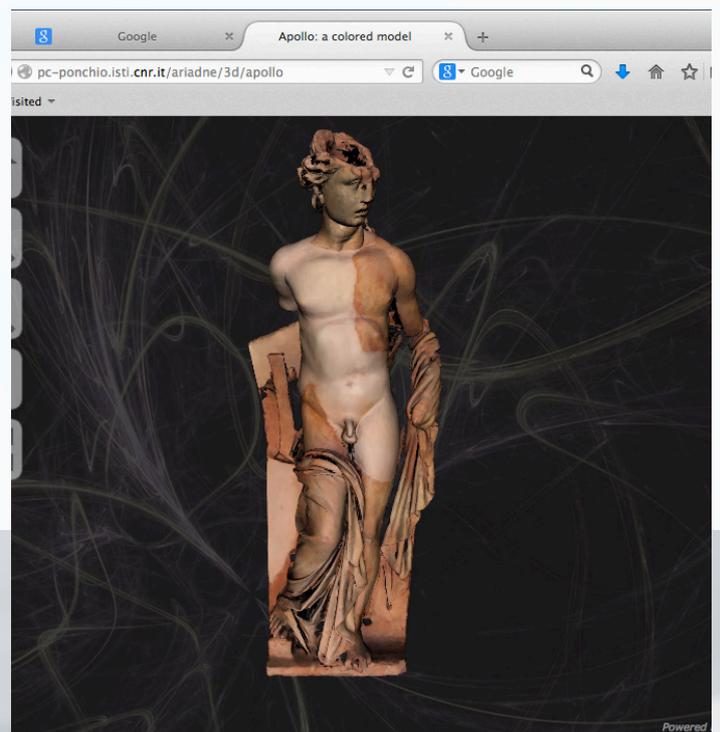
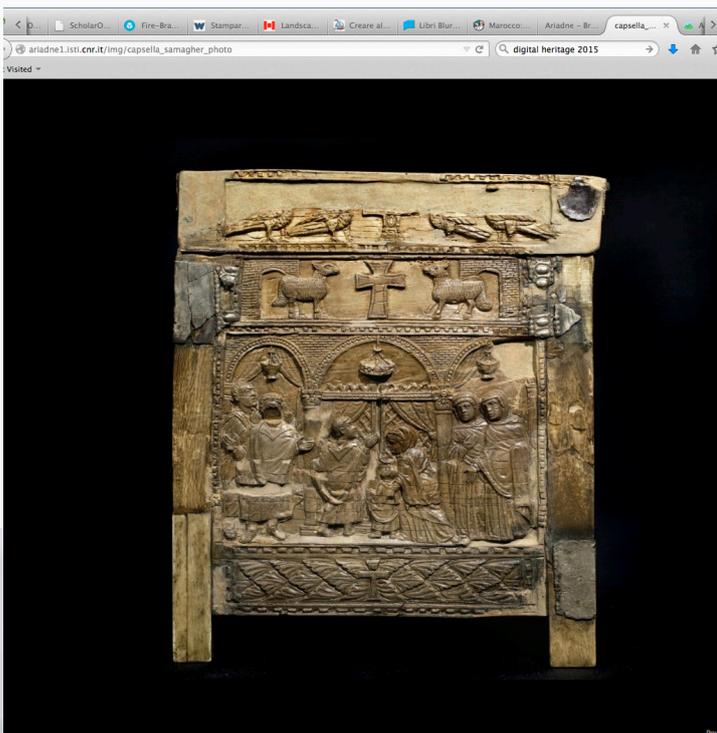
Brief Overview

Visual representations are of paramount importance for Cultural Heritage (CH) research. Those include 3D models, high-resolution and reflection transformation images. All of them are playing an important role in CH research and management.

VisualMedia service provides researchers with a system to publish on the web, visualize and analyze images and 3D models in a common workspace, enabling sharing, interoperability and reuse.

Objectives

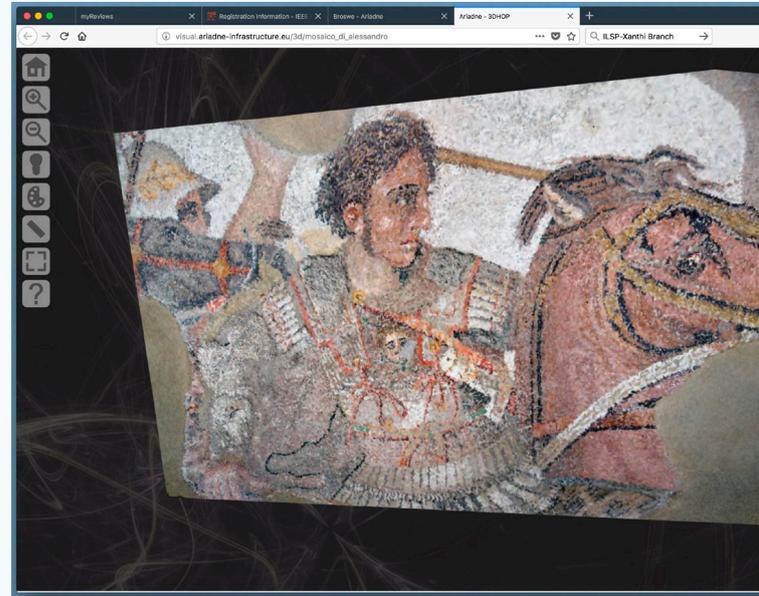
The goal of the VisualMedia service is to enable the easy publication and visualization on the web of high-resolution images and 3D models, with a thumbnail-based browsing interface. In addition to this, it is working to offer the customization of presentation through the selection of different browsing systems for 3D models, as well as metadata enrichment based on automatic processing of related documentation. This process will result in supporting creators of visual content (2D and 3D data) with a very easy procedure for publishing those data on the web and providing interactive visualization support, thus enabling data sharing opportunities to ignite collaborative research on CH topics, and finally yet importantly, the education of researchers in Cultural Heritage in moving towards the incorporation of virtual research environments in research methodology and experience use of cooperative visualization.





Main achievements

- » Enables automatic visual data conversion in efficient web-compliant formats and related data publication on the web;
- » Offers interactive visualization tools for different types of data (not just 3D), all of them with a common interface;
- » Does not require web management experience to the data content creators or the data consumer, they are just asked to fill a web form and to be able to use a standard web browser;
- » Covers a domain where commercial systems offers only partial support (the main competitor offers only 3D models support).



Recommendations for the implementation

See the instructions published on the system web on the data formats accepted by the VisualMedia upload form. For any other not supported data type, the instructions mention other open-source tools for converting the data to one of the accepted data formats of the Visual Media service.

Partners of the SD

CNR, PIN, Italian Ministry of Cultural Heritage MIBACT

Kunsthistorisches Institut MaxPlank, Huma-Num CNRS, Athena Research Center - ILSP-Xanthi Branch



// We love designing and delivering innovative software to our primary users' community. Only a strict cooperation among ICT experts and human science professionals, steered by clear user requirements, could pave the way to the consolidation of the Digital Humanities domain. We hope VisualMedia could be a small step beyond in that direction //

Contacts

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