Semantic Web, Cultural Heritage, and Art Historical Knowledge: Conceptual Models, Ontologies, and Epistemological Implications

March 27-28, 2023

Museo Picasso Málaga / online

Scientific coordination:

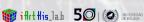Nuria Rodríguez Ortega (UMA), M.ª Mar Roldán (UMA), M.ª Luisa Díez Platas (UNIR)

The adoption of semantic web technologies (especially the development of ontologies and knowledge graphs) in the field of cultural heritage and art history is of great interest due to their potential to diversify the forms of access to cultural contents, to amplify the narratives that can be developed from them, and to increase the possibilities of extracting implicit knowledge from large datasets. Likewise, semantic web technologies facilitate the structured and semantically enriched recording of cultural contents, make possible their publication as linked open data (LOD), increase the interoperability of distributed information, and provide the mechanisms that allow data reuse for new knowledge and value generation. The results achieved so far are important; however, there are still numerous challenges to be faced. This seminar aspires to be a contribution to this techno-intellectual arena focusing special attention on the epistemological implications involved in the building of conceptual models and ontologies for the cultural heritage and art history fields: fuzzy and ambiguous temporalities, overlapping and interweaving interpretative layers, post-anthropocentric conceptual hierarchies, epistemological biases, cultural conventions embedded in existing models, etc.; these are just some of the issues that will be addressed.

This seminar brings together a group of experts with extensive experience in the intersection between semantic web technologies and the cultural field to shed light on these and other questions.

The attendance to the seminar is free and open to everyone, with no registration fees.

Attendance may be in person or online. Registration is required in both cases due to limited capacity. Registration form at: **https://forms.gle/KBA6dM6hgmqtdr3a8**

Organized by:

i**Art**His_lab · 50 ANIVERSARIO · UNIVERSIDAD DE MÁLAGA · Facultad de Filosofía y Letras Departamento de Historia del Arte · CÁTEDRA

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With the support of:

CEHA Comité Español de Historia del Arte · HDH Humanidades Digitales Hispánicas

Program:

Monday 27th

9:30-10:00h. Opening and Introduction

10:00-10:45h. Fátima Díez Platas (USC): *Images, roles and books: the ontology of the Biblioteca Digital Ovidiana*

10:45-11:00h. Selenia Anastasi (University of Genoa): *Feminist Digital Humanities and the Semantic Web. Towards an Integrated Research Agenda*

11:00.11:30h. Coffee break

11:30-12:15h. Nuria Rodríguez-Ortega (UMA), M.ª Mar Roldán (UMA), M.ª Luisa Díez Platas (UNIR): *OntoExhibit: modeling the art exhibition domain and its discursive and social practicesel*

12:15-13:00h. Etienne Posthumus (FIZ Karlsruhe – Leibniz Institute for Information Infrastructure): *When the Saints go Marching In. Solving epistemological problems for interlinking Digital Art History Corpora using Linked Data representations of the ICONCLASS subject classification system*

13:00-14:30h. Lunch

14:45-15:30h. Aldo Gangemi (University of Bologna and ISTC-CNR, Rome): *Ontology networks for cultural heritage and its appraisal*

15:30-16:15h. Javier Pantoja (Head of the Digital Development Area): *Museo Nacional del Prado): The Prado on the web: exploitation of a digital semantic mod*

16:15-17:00h. Andrea Vlachidis (University College London): *Challenges and Opportunities of Semantic Modelling and Enrichment in Small and Large Museum collections*

17:00-17:15h. Coffee break

17:15-18:00h. Discussion and wrap-up

Tuesday 28th

9:30-10:15h. César González-Pérez (CSIC-Incipit): *The Cultural Heritage Abstract Reference Model: Design Criteria, Choices, Results and Usage*

10:15-11:00h. Magdalena Tyżlik-Carver (Aarhus University): *Fermenting Data: developing methods for data practices with others*

11:00-11:30h. Coffee break

11:30-12:15h. Jorge Sebastián Lozano (University of Valencia): *Extending CIDOC CRM for Specific Purposes: Some Lessons Learnt from the SILKNOW Ontology*

12:15-13:00h. Charles van den Heuvel (University of Amsterdam): *Conflicting Classifications. Epistemological, methodological, and ethical challenges in modelling cultural heritage and art-historical data*

13:00-14:30h. Lunch

14:45-15:30h. Nicola Carboni (University of Geneve), Béatrice Joyeux-Prunel (Université de Genève): *Integration and analysis of exhibition information using Linked Open Data*

15:30-16:15h. Javier Sevilla (University of Valencia): *Visualization of knowledge graphs about cultural heritage through ontologies*

16:15-17:00h. Raúl García Castro (UPM): *Decalogue of best practices for ontology development in the cultural heritage domain*

17:00-17:30. Coffee break

17:30-18:00 Discussion and conclusions