

SWODCH 2021

Semantic Web and Ontology Design for Cultural Heritage

@Bolzano Summer of Knowledge 2021

- | | |
|----------------------------------|--|
| Antonis Bikakis | Department of Information Studies, University College London, United Kingdom |
| Roberta Ferrario | Institute for Cognitive Sciences and Technologies, CNR, Trento, Italy |
| Stéphane Jean | LIAS/ENSMA and University of Poitiers, France |
| Béatrice Markhoff | LIFAT, University of Tours, France |
| Alessandro Mosca | KRDB Research Centre, Faculty of Computer Science, Free University of Bozen-Bolzano, Italy |
| Marianna Nicolosi Asmundo | Department of Mathematics and Computer Science, University of Catania, Italy |

1st SW4CH@



September 8, 2015
Poitiers, France

Part VII: First International Workshop on Semantic Web for Cultural Heritage (SW4CH 2015)

Invited talk: Integrating cultural data using an ontology-based framework 401

Martin Rezk

Knowledge representation in EPNet 402

Alessandro Mosca, José Remesal, Martin Rezk and Guillem Rull

A Pattern-based Framework for Best Practice Implementation of CRM/FRBROO 412

Trond Aalberg, Audun Vennesland and Maliheh Farrokhnia

Application of CIDOC-CRM for the Russian Heritage Cloud platform . . 422

Eugene Cherny, Peter Haase, Dmitry Mouromtsev, Alexey Andreev and Dmitry Pavlov

Designing for Inconsistency ? The Dependency-based PERICLES Approach 432

Jean-Yves Vion-Dury, Nikolaos Lagos, Efstratios Kontopoulos, Marina Riga, Panagiotis Mitziaris, Georgios Meditskos, Simon Waddington, Pip Laurenson and Yiannis Kompatsiaris

A Semantic exploration method based on an ontology of 17th century texts on theatre: la *Haine du théâtre* 442

Chiara Mainardi, Zied Sellami and Vincent Jolivet

Combining semantic and collaborative recommendations to generate personalized museum tours 451

Idir Benouaret and Dominique Lenne

A Novel Vision for Navigation and Enrichment in Cultural Heritage Collections 461

Joffrey Decourselle, Audun Vennesland, Trond Aalberg, Fabien Duchateau and Nicolas Lumineau

Improving Retrieval of Historical Content with Entity Linking 471

Max De Wilde

Disambiguation of Named Entities in cultural heritage texts using Linked Data sets 478

Carmen Brando, Francesca Frontini and Jean-Gabriel Ganascia

- 16 International PC members
- 12 submissions
- 9 presentations
- 25 attendees

2nd SW4CH@



September 24, 2017
Nicosia, Cyprus

Invited Talk: Narratives in Digital Libraries

Carlo Meghini, CNR, ISTI Pisa

Introducing Narratives in Europeana: Preliminary Steps 333

*Carlo Meghini, Valentina Bartalesi, Daniele Metilli,
and Filippo Benedetti*

Evaluation of Semantic Web Ontologies for Modelling Art Collections 343

Danfeng Liu, Antonis Bikakis, and Andreas Vlachidis

The CrossCult Knowledge Base: A Co-inhabitant of Cultural Heritage
Ontology and Vocabulary Classification. 353

*Andreas Vlachidis, Antonis Bikakis, Daphne Kyriaki-Manessi,
Ioannis Triantafyllou, and Angeliki Antoniou*

The Port History Ontology 363

Bruno Rohou, Sylvain Laube, and Serge Garlatti

A WordNet Ontology in Improving Searches of Digital
Dialect Dictionary 373

Miljana Mladenović, Ranka Stanković, and Cvetana Krstev

When It Comes to Querying Semantic Cultural Heritage Data 384

Béatrice Markhoff, Thanh Binh Nguyen, and Cheikh Niang

- 22 International
PC members

- 11 submissions

- 6 presentations

- 8 attendees

3rd SW4CH@



June 3, 2018
Heraklion, Greece

09:00 – 10:30 - Opening session and Invited talk

Semantic Web Technologies for CrossCult (Antonis Bikakis)

11:00 – 12:30 - Associating, enriching and linking CH knowledge

VisTA: Visual Terminology Alignment Tool for Factual Knowledge Aggregation (Anastasia Axaridou, Konstantina Konsolaki, Maria Theodoridou, Artem Kozlov, Peter Haase and Martin Doerr)

Clustering Over the Cultural Heritage Linked Open Dataset: Xlendi Shipwreck (Mohamed Ben Ellefi, Mohamad Motasem Nawaf, Jean-Christophe Sourisseau, Timmy Gambin, Filipe Castro and Pierre

nIGis: A Use Case in Linked Historic Geodata (Wouter Beek and Richard Zijdemman)

14:00 – 15:30 - Representing and supporting the uses of CH knowledge

Semantic Preventive Conservation of Cultural Heritage Collections (Efthymia Moraitou, John Aliprantis and George Caridakis)

Efficient and Expressive Semantic Information Push for Cultural Heritage Applications (Christos Tryfonopoulos)

Exploring Linked Data For The Automatic Enrichment of Historical Archives (Gary Munnelly, Harshvardhan J. Pandit and Seamus Lawless)

16:00-17:30 - Closing session

A vocabulary of culturally relevant relationships to interlink digital heritage objects over the Web using LOD technologies (Carlos Marcondes)

Extending CIDOC-CRM for Semantic Cultural Mapping of Villages In India (Toshant Sharma and Navjyoti Singh)

- 24 International PC members
- 4 co-chairs
- 12 submissions
- 8 presentations
- 16 attendees



@JOWO2019

Sept. 23, 2019
Graz, Austria

Session 1

10:00 Maria Rosaria Stufano Melone. *Towards an ontology for music and aesthetics.*

10:30 Salvatore Cristofaro and Daria Spampinato. *OntoBellini: towards an RDA based ontology for Vincenzo Bellini's cultural heritage.*

Session 2

11:30 Fumiaki Toyoshima. *Ontology of Time for the Digital Humanities: A Foundational View.*

12:00 Richard de Jesus Gil-Herrera, Maria Irma Botero-Ospina, Lidia Bocanegra-Barbecho and Maria Jose Martin-Bautista. *Building a Knowledge-Model about Land Restitution Policy in Colombian-case Applying a Systemic Ontological Methodology.*

Session 3

14:00 Ludger Jansen. *Ontologies for the Digital Humanities: Learning from the Life Sciences?*

14:30 Sean Winslow, Gerlinde Schneider, Roman Bleier, Christian Steiner, Christopher Pollin and Georg Vogeler. *Ontologies in the Digital Repository. Between metadata integration, knowledge management and ontology-driven applications.*

15:00 Christophe Roche and Maria Papadopoulou. *Mind the gap: ontology authoring by Humanists.*

15:30 Paul Sheridan, Mikael Onsjö and Janna Hastings. *The Literary Theme Ontology for Media Annotation and Information Retrieval.*

Session 4

16:30 Janna Hastings and Stefan Schulz. *Representing Literary Characters and their Attributes in an Ontology.*

17:00 Ingo Frank. *Multi-Perspectival Representation of Historical Reality: Ontology-Based Modeling of Non-Common Conceptualizations.*

17:30 Claudio Masolo, Emilio Sanfilippo, Marion Lame and Perrine Pittet. *Modeling concept drift for historical research in the digital humanities.*

- 18 International PC members
- 3 co-chairs
- 13 submissions
- 9 presentations
- 30 attendees

SWODCH 2020

Semantic Web and Ontology Design for Cultural Heritage

[Aim & Scope](#)

[Important Dates](#)

[Call for papers](#)

[Organisation](#)

Aim & Scope

Dear colleagues,

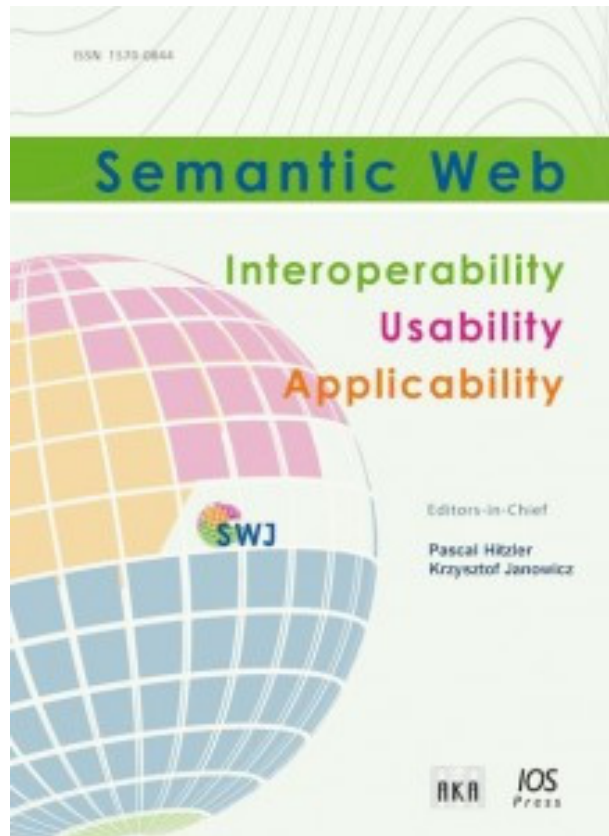
We regretfully announce the cancellation of SWODCH 2020 edition and we are already working on its 2021 edition. We have waited until now, in the hope that the situation could evolve in a positive way, but the uncertainties about the evolution of the COVID-19 demonstrate that it will not be possible to enjoy the chance to meet in person colleagues to share research and scholarly experiences this year.

We thank the authors and committee members for their understanding, and we hope this delay will allow all of us to have a great edition in 2021!

Special issue on Semantic Web for Cultural Heritage

vol. 12, no. 2
January, 2021

2019 - 2020



- 57 International PC members
- 5 co-editors
- 30 submissions
- 11 articles

<https://content.iospress.com/journals/semantic-web/12/2>

SWODCH

@Bolzano Summer of Knowledge 2021

Sept. 20-21, 2021
« Bolzano, Italy »

Session 1 – Semantic Web for Modelling and Interconnecting Cultural Heritage Data

Chair: Stéphane Jean

14:00-14:30 An Approach to Semantic Representation and Modeling in the Development of De Rerum Natura Digital Exhibition (Carlo Teo Pedretti)

14:30-15:00 Describing and Searching Food Content in Historical Images with the ChIA Vocabulary (Gerda Koch, Amelie Dorn, Renato Rocha Souza, Yalemisew Abgaz, Ramiro Osvaldo Ortiz)

15:00-15:15 Coffee break

15:15-16:15 Invited talk: Marieke Van Erp (Digital Humanities Research Lab)

Chair: Béatrice Markhoff

16:15-16:30 Coffee break

Session 2 – Semantic Web for Exploring and Extracting Information from Cultural Heritage knowledge graphs

Chair: Marianna Nicolosi-Asmundo

16:30-17:00 A Semantic Web Navigation Tool for Exploring the Henri Poincaré Correspondence Corpus (Nicolas Lasolle, Olivier Bruneau, Jean Lieber, Philippe Nabonnand, Laurent Rollet)

17:00-17:30 TTPProfiler: Computing Types and Terms Profiles of Assertional Knowledge Graphs (Lamine Diop, Arnaud Giacometti, Beatrice Markhoff, Arnaud Soulet)

17:30-18:00 Masked Language Model Entity Matching for Cultural Heritage Data (Dominique Piché, Amal Zouaq, Michel Gagnon, Ludovic Font)

- 23 International PC members
- 6 co-chairs
- 13 submissions
- 9 presentations
- 2 invited talks

MANY THANKS
to all

SWODCH

@Bolzano Summer of Knowledge 2021

Sept. 20-21, 2021
« Bolzano, Italy »

Session 3 – Ontology Design

Chair: Alessandro Mosca

14:00-14:30 Towards the Representation of Claims in Ontologies for the Digital Humanities

(Salvatore Cristofaro, Emilio M. Sanfilippo, Pietro Sichera, Daria Spampinato)

14:30-15:00 Modeling Lexicographic Resources Using CIDOC-CRM, FRBRoo and Ontolex-Lemon

(Khan, Salgado)

15:00-15:15 Coffee break

15:15-16:15 Invited talk: Joseph Padfield (The National Gallery)

Chair: Antonis Bikakis

16:15-16:30 Coffee break

Session 4 – Ontology Design (continued)

Chair: Roberta Ferrario

16:30-17:00 The IMAGO Project: Towards a Knowledge Base of Medieval and Renaissance

Geographical Works (Valentina Bartalesi, Nicolo Pratelli)

17:00-17:30 Ontology-mediated Cultural Contact Detection through Motion and Style in Southern

Chinese Martial Arts (Alessandro Adamou, Yumeng Hou, Davide Picca, Mattia Egloff, Sarah

Kenderdine)

17:30-18:00 Closing session

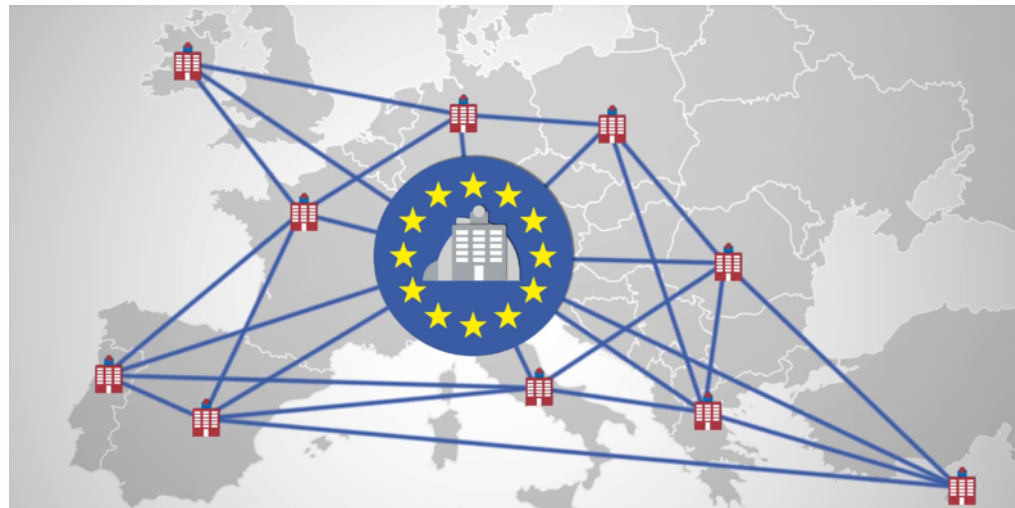
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- 13 submissions
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THE 4CH PROJECT – EUROPEAN COMPETENCE CENTRE FOR THE CONSERVATION OF CULTURAL HERITAGE

1st January 2021, 3 years

www.4ch-project.eu

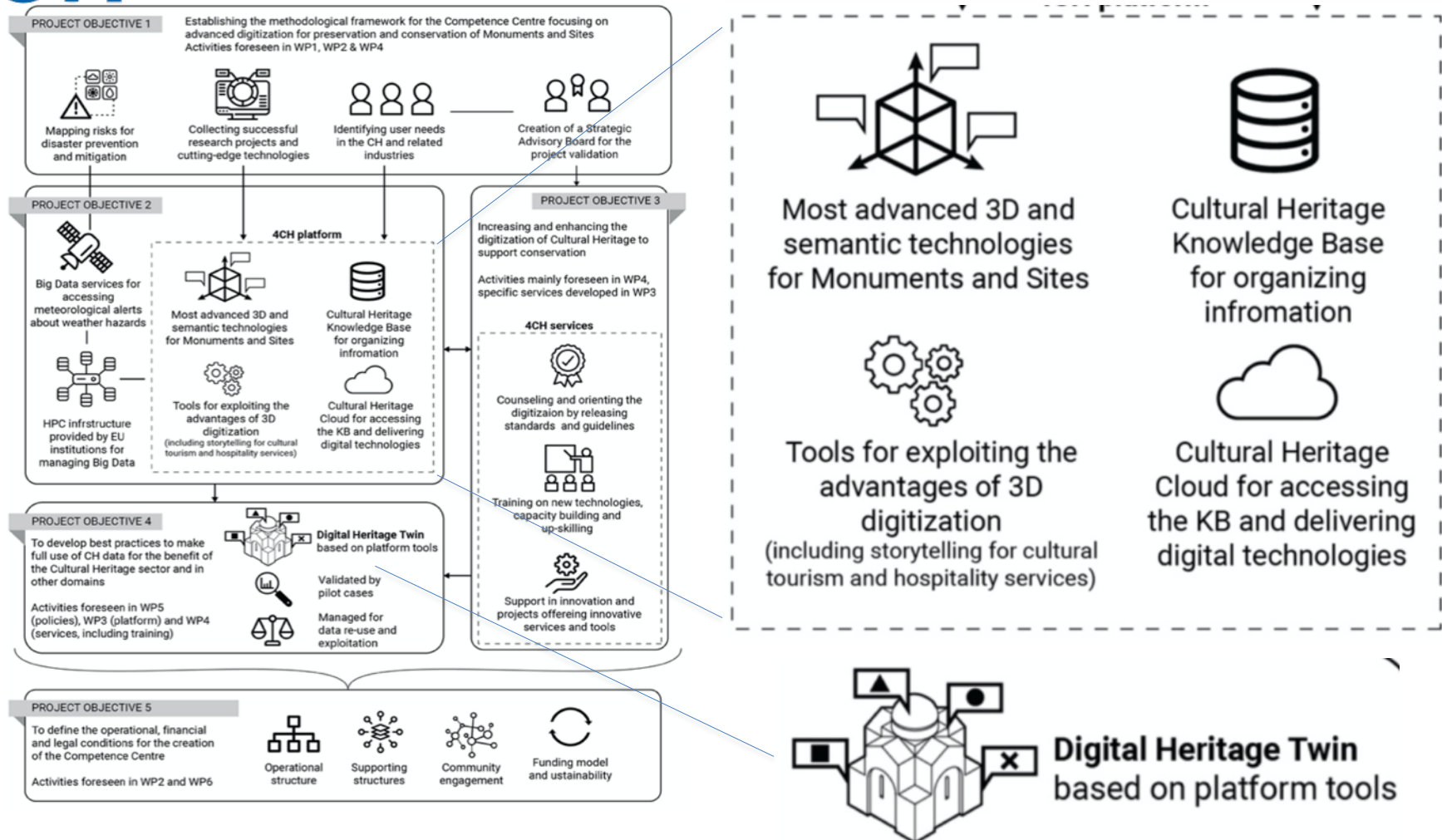


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A Digital Platform based on Semantic Technologies, Digital Twins...





... and Ontologies

- The **4CH KB** will be organized according to a **standard ontology CRM_{4CH}** fully compatible with CIDOC CRM. **CRM_{4CH}** will incorporate several extensions.
- **3D models** based on HBIM avail of IFC (International Foundation Classes): mapped onto the CRM and extensions such as CRM_{BA}
- **3D modelling activity**: CRM_{3D}
- **Scientific conservation data**: combination of CRM_{SCI}, CRM_{PE} and CRM_{DIG}
- Indexing **text documents**: avail of NLP and NER technologies
- **Definition and structuring of controlled vocabularies and thesauri**, preferably multilingual ones: build on de-facto standards such as Getty AAT

Thank you!



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The views and opinions expressed in this presentation are the sole responsibility of the author and do not necessarily reflect the views of the European Commission.

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Enjoy SWODCH 2021!

<https://swodch2021.inf.unibz.it/>

To authors:

- For putting your slides on the workshop's site, please send it (in pdf) to: jean@ensma.fr
- Proceedings: CEUR-WS.org
- You will be invited to submit an extended version of your articles to a special issue of JOCCH



ACM Journal on Computing and Cultural Heritage (JOCCH) publishes papers of significant and lasting value in all areas relating to the use of information and communication technologies (ICT) in support of Cultural Heritage. The journal encourages the submission of manuscripts that demonstrate innovative use of ... [\(More\)](#)