



The European
network
for observing
our changing
planet

UNIVERSITÀ DELLA CALABRIA
DIPARTIMENTO DI CULTURE,
EDUCAZIONE E SOCIETÀ | Laboratorio di
Documentazione



sezione Italia

Call for Papers

Knowledge Organization and Management in the domain of Environment and Earth Observation (KOMEE0)

Important Dates

Extended abstract deadline (500-1200 words, excluding references): **May 17 2021**

Notice of abstract acceptance for further development: **June 7 2021**

Virtual Conference: **July 15 2021**

Full paper/Short paper/Poster submission deadline: **September 30 2021**

Notice of Full paper/Short paper/Poster acceptance: **November 8 2021**

Camera-ready submission: **November 30 2021**

Publication of conference proceedings: **March 2022**

Organizing Committee

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Technical support

Antonio Stumpo, Institute of Informatics and Telematics - National Research Council (IIT-CNR)

Virtual Conference Organization

The Virtual Conference is co-organized by the Laboratory of Documentation (LabDoc) belonging to the Department of Education, Culture and Society of the University of Calabria and by the Italian Chapter of the International Society of Knowledge Organization (ISKO). More information about the conference will follow at: <http://www.labdoc.it/komeeo>

Overview

The environment domain is rich in Knowledge Organization Systems (KOSs), covering different subdomains and aiming at different purposes.

For the last four years Labdoc has been involved in the ERA-PLANET (The European Network for observing our changing Planet) program¹, whose main objective has been to strengthen the European Research Area in the domain of Earth Observation in coherence with the European participation to Group on Earth Observation (GEO) and the Copernicus. The rationale behind the program is to face up to the significant number of projects and programmes in different domains of environmental monitoring and Earth Observation, which in the last decades, have generated

¹ Call: H2020-SC5-2015-one-stage; Topic: SC5-15-2015; Type of Action: ERA-NET-Cofund; Grant Agreement no: 689443, <http://www.era-planet.eu/index.php>.



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a substantial amount of data and knowledge on different aspects related to the environmental quality and sustainability. The large amount and the heterogeneity of the collected and archived data make it difficult to share them with stakeholders and policy makers and to support decision making. For these reasons, the projects financed within the ERA-PLANET program have also included activities belonging to the so-called KETs (Key-Enabling Technologies) and oriented to the construction of KOSs (Knowledge Organization Systems) for semantic interoperability.

Furthermore, the domain of environment is receiving great attention from the European Union. The vision of Horizon Europe - the research and innovation framework programme from 2021-2027 - aims at “a sustainable, fair and prosperous future for people and planet” and reserves the 35% of the budgetary target to tackling climate change². Two of the six clusters belonging to the Pillar 2 “Global Challenges and European Industrial Competitiveness” concern respectively *Climate, Energy and Mobility* and *Food, Bioeconomy, Natural Resources, Agriculture and Environment*. Similarly, NextGenerationEU, the “temporary recovery instrument to help repair the immediate economic and social damage brought about by the coronavirus pandemic”³, is oriented to make European societies more sustainable, resilient and better prepared for the challenges of the green and digital transitions.

Considering these premises, we promote a virtual conference to share and exchange experiences and research results on all aspects concerning knowledge organization and management in the environmental and earth observation domain.

Themes

We welcome in particular original contributions related but not limited to the following themes:

- Construction and evaluation of new domain KOSs
- Reengineering, enrichment and mapping of existing KOSs
- Application of domain KOSs
- Theoretical, methodological and technological issues related to Knowledge Organization and Management
- Development and application of metadata schemes and standards
- Digital objects preservation solutions
- Big data and artificial intelligence
- Information retrieval and data mining

²

https://ec.europa.eu/info/sites/info/files/research_and_innovation/strategy_on_research_and_innovation/presentations/horizon_europe_en_investing_to_shape_our_future.pdf.

³ https://ec.europa.eu/info/strategy/recovery-plan-europe_en.



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- Digital libraries and archives
- Domain specific terminological issues
- Semantic interoperability

Abstract submission guidelines

Extended abstracts must be sent in .doc or .docx format to the following address:
info.komeeo@unical.it.

Authors should submit original and unpublished manuscripts that are neither under consideration in any other journal.

Abstract and Full Paper review process

We have planned a two-step review process for full papers, short papers and posters where first 1) abstracts will be reviewed and accepted as either full paper, short paper, or poster for the conference and 2) later accepted for publication when a full, developed version has been submitted. Each abstract will be evaluated by two reviewers through a double-blind peer review process.

Submission types

Full papers: 30-minute presentation

Short papers: 15-minute presentation

Posters: presented at a poster session

Publication and Proceedings

Conference proceedings will be published by Ergon-Verlag (<https://www.ergon-verlag.de/>), while the best three papers selected by the scientific committee will be published in the ISKO Journal «Knowledge Organization» (<https://www.isko.org/ko.html>).