

15th INTERNATIONAL ISKO CONFERENCE

Challenges and opportunities for Knowledge Organization in the digital age

Porto, Portugal
July 9 – 11, 2018

Faculdade de Letras da Universidade do Porto

Conference Programme

Sub-themes:

- 1 – Foundations and methods for Knowledge Organization
- 2 – Interoperability towards information access
- 3 – Societal challenges in Knowledge Organization

July 9th

8:30am - Registration desk open

9:30am – Opening Session - Main Amphitheatre / Anfiteatro Nobre

10:00am – Opening Conference - Main Amphitheatre / Anfiteatro Nobre

Supporting truth and promoting understanding: knowledge organization and the curation of the infosphere

Keynote: David Bawden, City University London

11:00am – Musical Moment

Main Amphitheatre / Anfiteatro Nobre

Sub-theme 1- Foundations and methods for Knowledge Organization

Chair:

Epistemic communities, domain analysis, and Kuhn: dialogs and intersections in knowledge organization

Daniel Martínez-Ávila, Isadora Victorino Evangelista, Maria da Graça Simões, José Augusto Chaves Guimarães

Epistemic loci: linguistic and critical metamethodology in knowledge organization

Tatiana Almeida, Gustavo Silva Saldanha

Hermeneutic reconstructionism: a comparative method for viewpoint analysis and indexing using Kohlberg's moral stages

Michael Kleineberg

Epistemological challenges in knowledge organization in the digital age

Rosa San Segundo, Adelina Codina Canet.

Influence of metatheoretical research in knowledge organization

Paula Carina de Araújo, Joseph Timothy Tennis

Meeting Room 1 / Sala de Reuniões 1

Sub-theme 2 - Interoperability towards information access

Chair:

Culturally relevant relationships: publishing and connecting digital objects in collections of archives, libraries and museums over the Web

Carlos Henrique Marcondes

Image organization on the web: an analysis in the view of cultural heritage of rural farms in Brazil

Luciana de Souza Gracioso, Leticia Reis da Silveira, Maria da Graça Melo Simões, Luzia Sigoli Fernandes Costa

Subject access of Mexican television news broadcasts on the Web

Silvano Soto-Hernández, Catalina Naumis-Peña

Integrate libraries, archives, museums and art galleries with linked data: initiatives study

Ana Carolina Simionato, Felipe Augusto Arakaki, Plácida Leopoldina Ventura Amorim da Costa Santos

1:00pm – Lunch

2:30pm – 4:00pm – Sessions

Main Amphitheatre / Anfiteatro Nobre**Sub-theme 1-** Foundations and methods for Knowledge Organization**Chair:**

Knowledge organization in the health field: an ontology project to improve the information retrieval process

Claudio José Silva Ribeiro, Diones Ramos da Silva

Automatic indexing and ontologies: the consistency of the research chronology and authoring in the scope of Information Science

Maria da Graça Simões, Luís Miguel Oliveira Machado, Renato Rocha Souza, Maurício Barcellos Almeida, António Tavares Lopes

A framework to represent variables and values in Social Science research data sets to support data curation and reuse

Guangyuan Sun, Christopher Khoo

The onomasiological approach and the function of definition in the elaboration of domain models in ontologies

Maria Luiza Almeida Campos, Hagar Espanha Gomes

ONTOM4IS: ontology reuse method for Information Science

Helder Noel Monteiro Firmino

Meeting Room 1 / Sala de Reuniões 1**Sub-theme 2 -** Interoperability towards information access**Chair:**

The knowledge organization in a web collaborative environment

Vânia Mara Alves Lima, Cibele Araújo Camargo Marques dos Santos

Connecting KOSs and the LOD Cloud

Rick Szostak, Andrea Scharnhorst, Wouter Beek, Richard Smiraglia

Extending the scope of library discovery systems via hashtags

Louise Spiteri

Tags on healthcare information websites

Marit Kristine Ådland, Marianne Lykke

The role of knowledge organization tools in open innovation platforms

Ricardo Eito-Brun

4:00pm -Coffee break

Main Amphitheatre / Anfiteatro Nobre**Sub-theme 1-** Foundations and methods for Knowledge Organization**Chair:**

Diplomatics theoretical and methodological support to archival description in knowledge organization

Natália Bolfarini Tognoli, Ana Célia Rodrigues

Classification of photographs: methodological conceptions in Archival Science, Library Science and Museum Science

Ana Cristina de Albuquerque, Luciane de Fátima Beckman Cavalcante

Different parameters for the knowledge organization in archives

Sonia Troitiño

Classification and knowledge organization systems: ontologies and archival classification

Thiago Henrique Bragato Barros, Daniel Liboanatti Gomes

Photography as legitimate technique for domain analysis in knowledge organization

Eva Hourihan Jansen

Meeting Room 1 / Sala de Reuniões 1**Sub-theme 2 -** Interoperability towards information access**Chair:**

Relationship status: libraries and linked data in Europe

Diane Rasmussen Pennington, Laura Cagnazzo

VIAF and open citations: the cooperative work as a strategy for organization of information at the linked data era

Erika Alves dos Santos, Marcos Luiz Mucheroni

An FRBR based approach for transforming Marc records into linked data

Ya-Ning Chen

Knowledge organization systems and cultural interoperability in open humanitarian settings

Quoc-Tan Tran

From uniform identifiers to graphs, from individuals to communities: what we talk about when we talk about linked person data

M. Cristina Pattuelli

Poster Session

6:00pm – 7:00pm - Meeting Room lobby

ISKO Scientific Advisory Council Meeting (invitation only)

6.30pm - Room Orlando Ribeiro (Tower B – 3rd floor) / Sala Orlando Ribeiro (Torre B – 3º andar)

July 10th

Day 2 – July 10th

09:00am – 10:30am – Sessions

Main Amphitheatre / Anfiteatro Nobre

Sub-theme 1- Foundations and methods for Knowledge Organization

Chair:

Intellectual History, History of ideas, and subject ontogeny

Joseph T. Tennis

Truth, relevance, and justice: towards a veritistic turn for KO

Jonathan Furner

Aspects of the subject notion in the context of different theoretical currents: teaching routes in Brazil

Brisa Pozzi de Sousa, Cristina Dotta Ortega

Applied knowledge organization and the history of the world

Rick Szostak

Information from jussive processes

Elliott Hauser

Meeting Room 1 / Sala de Reuniões 1

Sub-theme 1- Foundations and methods for Knowledge Organization

Chair:

The genesis of Documentation in Brazil: Manoel Cícero Peregrino da Silva and Paul Otlet (1900-1924)

Carlos Henrique Juvêncio, Georgete Medleg Rodrigues

The penumbra-line: RANGANATHAN'S journeys and the genesis of the APUPA pattern

Luca Giusti

The modern and its impact in the models of information organization in Brazil: the decline of the National Library and the rise of the National Book Institute (1930-1954)

Carlos Henrique Juvêncio, Gergete Medleg Rodrigues

Developing a field of knowledge through bibliography: Art History in the 16th Century

Giulia Crippa

Room 201 / Sala 201

Sub-theme 3 - Societal challenges in Knowledge Organization

Chair:

Memories in dispute, and reconfigurations of cultural heritage: for an ethnography of museums

Samuel Ayobami Akinruli, Luana Carla Martins Campos Akinruli

What do museum website users expect from linked open data?

Alexandre Fortier, Elaine Ménard

Challenges of organization and retrieval of photographs on social networks on the internet

Anna Carla Almeida Mariz, Raquel Oliveira Melo, Thales Almeida Mariz

Digital heritage: challenges and opportunities in the access and organization of digital knowledge in contemporary societies

Tiago Trindade Cruz

10:30am -Coffee break

Day 2 – July 10th

11:00am – 1:00pm – Sessions

Main Amphitheatre / Anfiteatro Nobre

Sub-theme 1- Foundations and methods for Knowledge Organization

Chair:

Who is Tesouro? The man, the words and the things

Gustavo Saldanha, Naira Christofolletti Silveira, Giulia Crippa, Tatiana De Almeida

Computer-assisted checking of conceptual relationships in a large thesaurus

Dagobert Soergel, Decio Wey Berti Junior, Gercina Lima, Benildes Maculan

Approaches to the concepts of exhaustivity and specificity in the ISKO International meetings proceedings 2010-2017

Maria da Graça Simões, Daniel Martínez-Ávila, Blanca Rodríguez-Bravo, Patricia de Almeida, Isadora Victorino Evangelista

Document representation with images: an experimental milestone

Marcilio de Brito, Maja Žumer, Simone Bastor Vieira, Widad Mustafa El Hadi, Marcos de Brito

Meeting Room 1 / Sala de Reuniões 1

Sub-theme 1- Foundations and methods for Knowledge Organization

Chair:

Facet: itself a multifaceted concept

Michèle Hudon, Alexandre Fortier

Information and argument structures in sociology research abstracts

Wei-Ning Cheng, Christopher S. G. Khoo

The contribution of semiotics to knowledge organization for music information

Camila Monteiro de Barros, Lígia Maria Arruda Café, Audrey Laplante

Global knowledge organization, “super-facets” and music: universal music classification in the digital age

Deborah Theresa Lee, Lvn Robinson, David

Room 201 / Sala 201

Sub-theme 3- Societal challenges in Knowledge Organization

Chair:

Dealing with the paradoxities of customer’s opinion for effective decision support in churn management

Ayodeji Olusegun Ibitoye, Olufade F. W. Onifade, Chika O. Yinka-Banjo

Knowledge organization in the digital age: the complexity of the global labor market

Armando Malheiro da Silva, Francisco Carlos Paletta

Challenges to knowledge organization in the era of social media. The case of social controversies

Fidelia Ibekwe-Sanjuan, Nathanaela Andrianasolo, Sébastien Fournier, Adrian Chifu

The mobile phone between challenge and expectations. A potential for information sharing between Algerian breeders and veterinarians

Radia Bernaoui, Peter Ohlv, Kebbab Salim

Articulating a cultural research program for
knowledge organization systems
Gregory Leazer, Robert Montoya, Jonathan Furner

Intersectionality and the social construction of
knowledge organization
Maria Aparecida Moura

Enhancement of digital heritage through digital
social networks
Emmanuelle Chevy Pébayle, Camille Rondot

1:00pm – Lunch

2:30pm – 4:00pm – Sessions

Main Amphitheatre / Anfiteatro Nobre

Sub-theme 1- Foundations and methods for Knowledge Organization

Chair:

Between dictionary, reference work and concept system: is there a contribution of the terminology in international standard ISO 5127:2017 to knowledge organisation?

Axel Ermert

Semantic warrant, cultural hospitality and knowledge representation in multicultural contexts: experiments with the use of the EUROVOC and UNBIS thesauri

Roger de Miranda Guedes, Maria Aparecida Moura

Literary warrant-based approach to organize KO terminology: criteria and method

Mario Barité, Mirtha Rauch, Ana Inés Brozia, Micaela Morales

Meeting Room 1 / Sala de Reuniões 1

Sub-theme 3- Societal challenges in Knowledge Organization

Chair:

Design science as a methodology for the development of knowledge organization systems in museological entities

Mariana Cantisani Padua, Natalia Nakano, Maria José Vicentini Jorente

Information design as knowledge technology in the organization of digital environments of information about the Zika virus and its effects

Maria Jose Vicentini Jorente

Negotiating participatory KO in crowdsourcing infrastructures

Ina-Maria Jansson

How knowledge organization helped to shape the emerging field of terminology in Canada
Lynne Bowker

New ways to produce shared knowledge to improve cooperation overpassing societal challenges in healthcare: the lever of innovative interface organizations in France
Christian Bourret

Historical ambiguity: a lens for approaching outdated terms
Lilium Niven Rajan

The role of neuroscience in information and knowledge appropriation
António José de Bastos Leite, Francisco Carlos Paletta, Maria Fernanda da Silva Martins, Teresa Silveira

4:00pm -Coffee break

4:30pm – 6:00pm - Sessions

Main Amphitheatre / Anfiteatro Nobre

Sub-theme 1- Foundations and methods for Knowledge Organization

Chair:

Feasibility of implementing PRESSOO model in organizing Persian serials
Negin Shokrzadeh Hashtroudi, Mohsen Haji Zeinolabedini

Solid foundations and some secondary assumptions in the design of bibliographic metadata: toward a typology of complementary uses of metadata
Athena Salaba, Josheph T. Tennis

Meeting Room 1 / Sala de Reuniões 1

Sub-theme 3- Societal challenges in Knowledge Organization

Chair:

Copyright infringement: between ethical use and legal use of information
Arthur Coelho Bezerra, Tatiana Sanches

What is happening about KOS in Spain: scientific production analysis, 2000-2017
José Antonio Moreira-González, Virginia Ortiz-Repiso

Knowledge organization in editorial policies for titles, abstracts and keywords in the journals indexed in the JCR: an exploratory study in the areas of Information and Communication Science

Mariângela Spotti Lopes Fujita, Maria del Carmen Agustín Lacruz, Ana Lúcia Silva Terra

The retrieval power added by subject indexing to bibliographic databases

Philip Hider

Epistemology and ethics of the big data

Moises Rockembach, Armando Malheiro da Silva

Author information for knowledge organization in the digital age

Wan-Chen Lee

Testing library catalog analysis as a bibliometric indicator for research evaluation in social sciences and humanities.

Maria Teresa Biagetti, Antonella Iacono, Antonella Trombone

ISKO Editorial Board Meeting

2:30pm - Meeting Room 1 / Sala de Reuniões 1

ISKO General Assembly

6:00pm- Meeting Room 1 / Sala de Reuniões 1

Gala Dinner (8:30pm)

09:00am – 10:30am – Sessions

Main Amphitheatre / Anfiteatro Nobre**Sub-theme 1-** Foundations and methods for Knowledge Organization**Chair:**

A relation typology in knowledge organization systems: case studies in the research data management domain

Jian Qin

Domain analysis of scientific production in information and communication technology in a context of small farmers

Fabio Mosso Moreira, Ely Francina Tanuri Oliveira, Ricardo César

Gonçalves Sant'ana

Risks and requirements of an applied Information Science research framework in healthcare

Fernanda Gonçalves, Gabriel David

Information and knowledge ecology: a field for research in knowledge organization

Wieslaw Babik

Medical ontology: Siddha system of medicine

Hemalata Iyer, Raghavan K. S.

Meeting Room 1 / Sala de Reuniões 1**Sub-theme 2 -** Interoperability towards information access**Chair:**

A value-based approach to modelling interoperability in knowledge organization systems

John Adetunji Adebisi, Babajide Samuel Afolabi, Bernard Ljesunor Akhigbe

The need to interoperate. Structural comparison and methodological considerations on mapping discipline-specific subject authority data to Wikidata

Andreas Oskar Kempf

Towards integrated systems for KOS management, mapping, and access. Coli-conc and its collaborative computer-assisted KOS mapping tool Cocoda

Umamaheswari Balakrishnan, Jakob Voß, Dagobert Soergel

Knowledge organization systems used in European national libraries towards interoperability of semantic Web

Dorota Siwecka

10:30am -Coffee break

11:00am – 1:00pm - **Session In Honour of Ingetraut Dahlberg – (Main Amphitheatre / Anfiteatro Nobre)**

1:00h - Lunch

2:30pm – 4:00pm – Sessions

Main Amphitheatre / Anfiteatro Nobre

Sub-theme 1- Foundations and methods for Knowledge Organization

Chair:

Verbal protocol in the Brazilian Information Science: a perspective from indexing studies

Roberta Cristina Dal' Evedove Tartarotti, Paula Regina Dal' Evedove, Mariângela Spotti Lopes Fujita

Foundations and methods for knowledge organization in the European ISchools courses

Olívia Pestana

Critical questions for big data approach in knowledge representation and organization

Lala Hajibayova, Athena Salaba

Big data, knowledge organization and decision making – opportunities and limit

Amos David, Nadine Ndjock

Meeting Room 1 / Sala de Reuniões 1

Sub-theme 2 - Interoperability towards information access

Chair:

Identifying semantics characteristics of user's interactions datasets thru an application of an OLAP data analysis

Fernando de Assis Rodrigues, Pedro Henrique Santos Bisi, Ricardo César Gonçalves Sant'ana

Towards the semantic annotation and the prevention of the loss of information of second opinion requests from rural Brazilian primary healthcare providers: the Q-Codes use case – a work in progress

Melissa P. Resnick, Elena Cardillo, Marc Jamouille, Magdala de Araujo Novaes, Frank S. Shamenek

Derivative interpretation of biographical sketches (bios) supporting innovative information access

Marcia Lei Zeng, Shu-Jiun Chen

Information access in the digital era: document visualization strategy

Francisco Carlos Paletta, Armando Manuel Barreiros Malheiro da Silva

Proposal for the integration of the semantic structure of Wikipedia categories into Wikidata using SKOS

Juan Antonio Pastor Sánchez, Tomás Saorín Pérez

4:30pm – 6:00pm – Sessions

Main Amphitheatre / Anfiteatro Nobre**Sub-theme 1-** Foundations and methods for Knowledge Organization**Chair:**

Wikipedia categories in research. Towards a qualitative review of uses and applications

Jesús Tramullas, Ana I. Sánchez-Casabón, Piedad Garrido-Picazo

The power to influence of the spirit of inquiry in the 21st century KO research: Jesse Shera and Margaret Egan

José Augusto Chaves Guimarães, Maria Claudia Cabrini Gracio, Daniel Martínez-Ávila, Rodrigo de Sales

Is the massive incorporation of ebooks into university libraries devaluing the technical processes related to the assigning of subject headings and classification numbers?

Isidoro Gil-Leiva, Mariângela Spotti Lopes Fujita, Pedro Manuel Díaz Ortuño, Daniela Majorie dos Reis

Parsimony in Biological and Colon Classifications

Robert D. Montoya

Reorganization of knowledge in technical documents for the information system: The extraction of logico-cognitive information from heterogeneous administrative data

Omar Larouk, Mabrouka El Hachani

Meeting Room 1 / Sala de Reuniões 1**Sub-theme 2 -** Interoperability towards information access**Chair:**

Phenomenon-based vs. Disciplinary classification: possibilities for evaluating and for mapping

Claudio Gnoli, Andreas Ledl, Ziyong Park, Marcin Trzmielewski

A comparative analysis and evaluation of bibliographic ontologies

Maria Teresa Biagetti

A conceptual model for an owl ontology to represent the knowledge of transmedia storytelling

Juan Antonio Pastor-Sánchez, Tomás Saorín-Pérez

Converting UDC to BCC: comparative approaches to interdisciplinarity

Richard P. Smiraglia, Rick Szostak

Use of conceptual relations for semantic integration of scientific publications and research data

Luana Farias Sales, Luis Fernando Sayão

6:30pm - Conference Closure Session – (Main Amphitheatre / Anfiteatro Nobre)

Post-Conference Workshops

Workshop 1

10:00am – 12:30am - Room 201 / Sala 201

The Politics of Classification

Robert D. Montoya, Melanie Feinberg, Jonathan Furner, Gregory H. Leazer, Joseph T. Tennis

Workshop 2

2:30pm – 5:00pm - Room 201 / Sala 201

Thematic Representation and Metadata of Photographic Documents

Ana Cristina de Albuquerque, Ana Carolina Simionato