15th INTERNATIONAL ISKO CONFERENCE

Faculdade de Letras da Universidade do Porto

Porto, Portugal
July 9 – 11, 2018

Conference Programme

Sub-themes:

1 – Foundations and methods for Knowledge Organization

2 – Interoperability towards information access

3 – Societal challenges in Knowledge Organization

July 9th

8:30 am – Opening of registration desk

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

10:00 am – 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

11:00 am – Musical Moment

11:30 am – 1:00 pm – Sessions

Main Amphitheatre / Anfiteatro Nobre	Meeting Room 1 / Sala de Reuniões 1
Sub-theme 1 - Foundations and methods for Knowledge Organization	Sub-theme 2 - Interoperability towards information access
Chair: Richard Smiraglia	Chair: Isidoro Gil Leiva

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

Reconstructionism: a comparative method for viewpoint analysis and indexing using the example of Kohlberg's moral stages
Michael Kleineberg

Epistemological challenges in knowledge organization in the digital age
Rosa San Segundo, Adelina Codinia Canet

Influence of metatheoretical research in knowledge organization
Paula Carina de Araújo, Joseph T. Tennis

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

Challenges of organization and retrieval of photographs on social networks on the internet
Anna Carla Almeida Mariz, Raquel Oliveira Melo, Thales Almeida Mariz

Subject access of Mexican television news broadcasts on the Web
Silvano Soto-Hernández, Catalina Naumis-Peña

Integrating libraries, archives, museums and art galleries with linked data: initiatives study
Ana Carolina Simionato, Felipe Augusto Arakaki, Plácida Leopoldina Ventura Amorim da Costa Santos

1:00 pm – Lunch

2:30 pm – 4:00 pm – Sessions

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

Meeting Room 1 / Sala de Reuniões 1
Sub-theme 2 - Interoperability towards information access
Chair: H. Peter Ohly

Knowledge organization in the health field: an ontology project to improve the information retrieval process
Claudio José Silva Ribeiro, Diones Ramos da Silva

Knowledge organization in a web collaborative environment
Vânia Mara Alves Lima, Cibele Araújo Camargo Marques dos Santos

Automatic indexing and ontologies: the consistency of research chronology and authoring in the context of Information Science
Maria da Graça Simões, Luís Miguel Oliveira Machado, Renato Rocha Souza, Maurício Barcellos Almeida, António Tavares Lopes

Connecting KOSs and the LOD Cloud
Rick Szostak, Andrea Scharnhorst, Wouter Beek, Richard Smiraglia

The Onomasiological approach and the function of definition in the elaboration of domain models in ontologies
Maria Luiza Almeida Campos, Hagar Espanha Gomes

Extending the scope of library discovery systems via hashtags
Louise Spiteri

ONTOM4IS: ontology reuse method for Information Science
Helder Noel Monteiro Firmino

Tags on healthcare information websites
Marit Kristine Ådland, Marianne Lykke

Knowledge Organization in editorial policies for titles, abstracts and keywords in JCR-indexed journals: an exploratory study in the areas of Information and Communication Sciences
Mariângela Spotti Lopes Fujita, Maria del Carmen Agustín Lacruz, Ana Lúcia Silva Terra

The role of knowledge organization tools in open innovation platforms
Ricardo Eito-Brun

4:00 pm - Coffee break

4:30 pm – 6:00 pm – Sessions

Main Amphitheatre / Anfiteatro Nobre **Sub-theme 1 -** Foundations and methods for Knowledge Organization Chair: Rick Szostak	Meeting Room 1 / Sala de Reuniões 1 **Sub-theme 2 -** Interoperability towards information access Chair: Dagobert Soergel
Classification of photographs: methodological conceptions in Archival Science, Library Science and Museum Science *Ana Cristina de Albuquerque, Luciane de Fátima Beckman Cavalcante*	Relationship status: libraries and linked data in Europe *Diane Rasmussen Pennington, Laura Cagnazzo*
Different parameters for the knowledge organization in archives *Sonia Troitiño*	VIAF and OpenCitations: cooperative work as a strategy for information organization in the linked data era *Erika Alves dos Santos, Marcos Luiz Mucheroni*
Classification and knowledge organization systems: ontologies and archival classification *Thiago Henrique Bragato Barros, Daniel Liboanatti Gomes*	An FRBR based approach for transforming Marc records into linked data *Ya-Ning Chen*
Photography as legitimate technique for domain analysis in knowledge organization *Eva Hourihan Jansen*	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

6:00 pm – 7:30 pm - Meeting Rooms' lobby / Hall da Sala de Reuniões

1.Challenges in management and Knowledge Organization of documental heritage: key factors in the methodology of diligent search for orphan works
Rosario Arquero-Avilés, Brenda Siso-Calvo, Gonzalo Marco-Cuenca, Silvia Cobo-Serrano

2. A Connotative trust-based paradigm to minify societal challenge(s) in Knowledge Organization Systems
Ojo Stephen Aderibigbe, Bernard Ijesunor Akhigbe, Babajide Samuel Afolabi, Emmanuel Rotimi Adagunodo

3.The Contribution of research on information quality to Knowledge Organization
Priscila Basto Fagundes, Douglas Dyllon Jeronimo de Macedo, Enrique Muriel Torrado, Adilson Luiz Pinto

4. Creation of a domain ontology in CIDOC CRM OWL format using heterogeneous textual data related to industrial heritage
Eric Kergosien, Kaouther Ben Smida, Rémi Cardon, Natalia Grabar, Mathilde Wybo

5. Diplomatic forensics: a necessary historical review for the analysis of the born-digital record
Juan Bernardo Montoya-Mogollón, Sonia Maria Troitiño

6. The French military documentary system to anticipate health risk: content and information classification
M.Tanti

7. Gamification as a system for developing knowledge in the classroom: a proposal based on an educational innovation project
Rosario Arquero-Avilés, Gonzalo Marco-Cuenca, Alicia Arias-Coello, Brenda Siso-Calvo, Silvia Cobo-Serrano, Carmen Soler-Vaquer

8. Interdisciplinary research organization: superimposing linked library data, linked research information and research data with interdisciplinary Knowledge Organization
Ingo Frank

9. Knowledge Organization and information retrieval in institutional repositories
Agnes Hajdu Barat

10. Knowledge Organization System interoperability: the cogitation of user interfaces for better interactivity
Nkechinyere Joy Olawuyi, Bernard Ijesunor Akhigbe, Babajide Samuel Afolabi

11. Mapping perspectival ambiguity in Bioethics: revisiting the viewpoint warrant
Denis Kos, Sonja Špiranec, Ante Čović

12. A Model for decision making (DM) in territory management: social implications
María J. López-Huertas, Diego Martín Oliva

13. State of the art of organization and administration of libraries in Brazil: preliminary results
Jaqueline Santos Barradas, Eliane Cristina Maceió Ferreira

14. Web archiving of elections and Brazilian possibilities
Moisés Rockembach, Lisiane Braga Ferreira

15. Information organization as a forgotten information literacy skill
Ana Lúcia Silva Terra

ISKO Scientific Advisory Council Meeting (invitation only)

6.30 pm - Tower A – 2nd floor / Torre A – 2º andar

July 10th

09:00 am – 10:30 am – Sessions

Main Amphitheatre / Anfiteatro Nobre **Sub-theme 1 -** Foundations and methods for Knowledge Organization Chair: José Augusto Chaves Guimarães	Meeting Room 1 / Sala de Reuniões 1 **Sub-theme 1 -** Foundations and methods for Knowledge Organization Chair: Carlos Guardado da Silva	Room 201 / Sala 201 **Sub-theme 3 -** Societal challenges in Knowledge Organization Chair: Blanca Rodriguez Bravo
Intellectual History, History of ideas, and subject ontogeny *Joseph T. Tennis*	The Genesis of Documentation in Brazil: Manoel Cícero Peregrino da Silva and Paul Otlet (1900-1924) *Carlos Henrique Juvêncio, Georgete Medleg Rodrigues*	Memories in dispute and reconfigurations of cultural heritage: for an ethnography of museums *Samuel Ayobami Akinruli, Luana Carla Martins Campos Akinruli*
Truth, relevance, and justice: towards a veritistic turn for KO *Jonathan Furner*	The Penumbra-line: RANGANATHAN'S journeys and the genesis of the APUPA pattern *Luca Giusti*	What do museum website users expect from linked open data? *Alexandre Fortier, Elaine Ménard*
Aspects regarding the notion of subject in the context of different theoretical trends: teaching approaches in Brazil *Brisa Pozzi de Sousa, Cristina Dotta Ortega*	The Modern and its impact on 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, Georgete Medleg Rodrigues*	Image organization on the web: an analysis from the perspective 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*

Applied knowledge organization and the history of the world *Rick Szostak*	Developing a field of knowledge through bibliography: Art History in the 16th Century *Giulia Crippa*	Digital heritage: challenges and opportunities in the access and organization of digital knowledge in contemporary societies *Tiago Trindade Cruz*
Information from jussive processes *Elliott Hauser*		Enhancement of digital heritage through digital social networks *Emmanuelle Chevry Pébayle, Camille Rondot*

10:30 am - Coffee break

11:00 am – 1:00 pm – Sessions

Main Amphitheatre / Anfiteatro Nobre **Sub-theme 1 -** Foundations and methods for Knowledge Organization **Chair: Joseph T. Tennis**	Meeting Room 1 / Sala de Reuniões 1 **Sub-theme 1 -** Foundations and methods for Knowledge Organization **Chair: Claudio Gnoli**	Room 201 / Sala 201 **Sub-theme 3 -** Societal challenges in Knowledge Organization **Chair: Amos David**
Who is Tesauro? The man, words and things *Gustavo Saldanha, Naira Christofoletti Silveira, Giulia Crippa, Tatiana De Almeida*	Facet: itself a multifaceted concept *Michèle Hudon, Alexandre Fortier*	Dealing with the paradexities of customer's opinion for effective decision support in churn management *Ayodeji Olusegun Ibitoye, Olufade F. W. Onifade, Chika O. Yinka-Banjo*
Computer-assisted checking of conceptual relationships in a large thesaurus *Dagobert Soergel, Decio Wey Berti Junior, Gercina Lima, Benildes Maculan*	Information and argument structures in sociology research abstracts *Wei-Ning Cheng, Christopher S. G. Khoo*	Knowledge organization in the digital age: the complexity of the global labor market *Armando Malheiro da Silva, Francisco Carlos Paletta*

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

The Contribution of semiotics to knowledge organization for music information
Camila Monteiro de Barros, Lígia Maria Arruda Café, Audrey Laplante

Challenges to knowledge organization in the era of social media: the case of social controversies
Fidelia Ibekwe-Sanjuan, Nathanaela Andrianasolo, Sébastien Fournier, Adrian Chifu

Document representation with images: an experimental milestone
Marcilio de Brito, Maja Žumer, Simone Bastor Vieira, Widad Mustafa El Hadi, Marcos de Brito

Global knowledge organization, "super-facets" and music: universal music classification in the digital age
Deborah Theresa Lee, Lyn Robinso, David Bawden

The Mobile phone between challenge and expectations: a potential for information sharing between Algerian breeders and veterinarians
Radia Bernaoui, Peter Ohly, Kebbab Salim Mohamed Hassoun

Is the massive incorporation of ebooks into university libraries devaluing the technical processes related to the assigning of subject headings and classification codes?
Isidoro Gil-Leiva, Mariângela Spotti Lopes Fujita, Pedro Manuel Díaz Ortuño, Daniela Majorie dos Reis

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

1:00 pm – Lunch

2:30 pm – 4:00 pm – Sessions

Main Amphitheatre / Anfiteatro Nobre **Sub-theme 1 -** Foundations and methods for Knowledge Organization **Chair: Armando Malheiro da Silva**	Meeting Room 1 / Sala de Reuniões 1 **Sub-theme 3 -** Societal challenges in Knowledge Organization **Chair: Radia Bernaoui**

Among dictionaries, reference works and concept systems: can the terminology in International Standard ISO 5127:2017 contribute to Knowledge Organization?
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

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

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

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 information environments on the Zika Virus and its effects
Maria Jose Vicentini Jorente

Negotiating participatory KO in crowdsourcing infrastructures
Ina-Maria Jansson

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

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

4:00 pm - Coffee break

4:30 pm – 6:00 pm – Sessions

Main Amphitheatre / Anfiteatro Nobre	Meeting Room 1 / Sala de Reuniões 1
Sub-theme 1 - Foundations and methods for Knowledge Organization	**Sub-theme 3 -** Societal challenges in Knowledge Organization
Chair: Gabriel David	Chair: Rosa San Segundo

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

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

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

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

Comparing the use of full text search between a conventional IR system and a DBMS
Edson Marchetti da Silva

Epistemology and ethics of big data
Moises Rockembach, Armando Malheiro da Silva

The Retrieval power added by subject indexing to bibliographic databases
Philip Hider

Author information for knowledge organization in the digital age
Wan-Chen Lee

A Framework to represent variables and values in Social Science research data sets to support data curation and reuse
Guangyuan Sun, Christopher Khoo

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 (invitation only)

2:30 pm - Tower A – 2nd floor / Torre A – 2º andar

ISKO General Assembly

6:00 pm- Main Amphitheatre / Anfiteatro Nobre

8:30 pm - Gala Dinner at Casa da Música

July 11th

09:00 am – 10:30 am – Sessions

Main Amphitheatre / Anfiteatro Nobre **Sub-theme 1 -** Foundations and methods for Knowledge Organization **Chair: Ricardo Eito Brun**	Meeting Room 1 / Sala de Reuniões 1 **Sub-theme 2 -** Interoperability towards information access **Chair: Maria Elisa Cerveira**

A Relation typology in knowledge organization systems: case studies in the research data management domain
Jian Qin

A Value-based approach to modelling interoperability in knowledge organization systems
John Adetunji Adebisi, Babajide Samuel Afolabi, Bernard Ljesunor Akhigbe

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

The Need to interoperate: structural comparison of and methodological guidance on mapping discipline-specific subject authority data to wikidata
Andreas Oskar Kempf

Risks and requirements of an applied Information Science research framework in healthcare
Fernanda Gonçalves, Gabriel David

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

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

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

Medical ontology: Siddha system of medicine
Hemalata Iyer, Raghavan K. S.

10:15 am – 11:15 am (Room 201 / Sala 201)

ISKO Publication Forum: Knowledge Organization and the ISKO Encyclopedia of Knowledge Organization

Panel Chair: *Birger Hjørland, Richard Smiraglia*

11:00 am - Coffee break

11:15 am – 1:00 pm (Main Amphitheatre / Anfiteatro Nobre)

A Vision of Knowledge Organization - **Panel in Honor of Ingetraut Dahlberg**

Panel Chair: *H. Peter Ohly*

Focused Contributions:
Knowledge: *Axel Ermert / Michael Kleineberg*
KOS: *Marcia Lei Zeng / Rosa San Segundo*
ICC: *Claudio Gnoli / Rick Szostak*
Science of Science: *Birger Hjorland / Joseph Tennis*
KO Environment: *Richard Smiraglia / Maria Inês Cordeiro*
Panel Synopsis: *Jirí Pika*

1:00 pm - Lunch

2:30 pm – 4:00 pm – Sessions

Main Amphitheatre / Anfiteatro Nobre **Sub-theme 1 -** Foundations and methods for Knowledge Organization Chair: Maria Fernanda Martins	Meeting Room 1 / Sala de Reuniões 1 **Sub-theme 2 -** Interoperability towards information access Chair: Mario Barité
Critical questions for big data approach in knowledge representation and organization *Lala Hajibayova, Athena Salaba*	Identifying semantic characteristics of user interaction datasets through application of a data analysis *Fernando de Assis Rodrigues, Pedro Henrique Santos Bisi, Ricardo César Gonçalves Sant'ana*

Big data, knowledge organization and decision making – opportunities and limits
Amos David, Nadine Ndjock

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 Jamoulle, Magdala de Araujo Novaes, Frank S. Shamenek

Foundations and methods for knowledge organization in the European ISchools courses
Olívia Pestana

Derivative interpretation of biographical sketches (bios) supporting innovative information access
Marcia Lei Zeng, Shu-Jiun Chen

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

Information access in the digital era: document visualization strategy
Francisco Carlos Paletta, Armando 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

4:00 pm - Coffee break

4:30 pm – 6:00 pm – Sessions

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

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

Wikipedia categories in research. Towards a qualitative review of uses and applications
Jesús Tramullas, Ana I. Sánchez-Casabón, Piedad Garrido-Picazo

Phenomenon-based *vs* Disciplinary classification: possibilities for evaluating and for mapping
Claudio Gnoli, Andreas Ledl, Ziyoung Park, Marcin Trzmielewski

The Spirit of inquiry's power to influence in 21st century KO research: Jesse Shera and Margaret Egan
José Augusto Chaves Guimarães, Maria Claudia Cabrini Gracio, Daniel Martínez-Ávila, Rodrigo de Sales

A Comparative analysis and evaluation of bibliographic ontologies
Maria Teresa Biagetti

Parsimony in Biological and Colon Classifications
Robert D. Montoya

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

6:30 pm – Main Amphitheatre / Anfiteatro Nobre

Best Doctoral Student Paper Award
ISKO Best Paper Award | Chair - Widad Mustafa El Hadi
Conference Closure Session – (Main Amphitheatre / Anfiteatro Nobre)

July 12th

Post-Conference Workshops

Workshop 1

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

The Politics of Classification

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

Workshop 2

2:30 pm – 5:00 pm - Room 201 / Sala 201

Thematic Representation and Metadata of Photographic Documents

Ana Cristina de Albuquerque, Ana Carolina Simionato

Conference Social Programme

Visit to Casa da Música (4,00 €*)

July 10th - 5:00 pm

          6:00 pm

          7:00 pm

Visit to Hall of Biodiversity / Galeria da Biodiversidade (4,00 €*)

July 12th - 10:30 am

           3:00 pm

* Registration and payment at the Conference Secretariat