

## GreyForum 3.1

### Grey Literature and Policy Development: The Pisa Declaration

*“A meeting of the minds to broker the future of grey resources”*

*Monday, 7 April 2014 at CNR Pisa, Italy*

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#### ABSTRACTS & BIONOTES **Open Access to Nuclear Information**

Dobrica Savić, NIS-IAEA, Austria

**Abstract:** The main topic of this presentation is nuclear information. It begins with the definition of 'open' and open access in general, continues with a discussion about the roots of the open access movement and concludes with the impact of open access on nuclear information. Energy supply, safety and security head the list of popular topics for those interested in nuclear information, but interest is also shown in the implications of open access. The importance of open access to nuclear information has its roots in the growth of a knowledge-based economy, the knowledge worker as a user of nuclear information, developments in information and communication technologies (ICT), and the growth of the internet. The impact of open access is apparent in the information retrieval process and, subsequently, on research and the creation of new knowledge. The International Nuclear Information System (INIS), as one of the worlds' largest collections of nuclear information, plays a major role in making nuclear information freely available and openly accessible. The achievements made by INIS in providing open access to nuclear information are discussed.

**Bionote:** Dobrica Savić is Head of the IAEA's Nuclear Information Section. In this capacity, Dobrica is responsible for the International Nuclear Information System (INIS), the IAEA Library, and the IT support group. He holds a MPhil in Library and Information Science from Loughborough University, UK, an MA in International Relations from the University of Belgrade, Serbia, as well as a Graduate Diploma in Public Administration, Concordia University, Montreal, Canada. Dobrica has extensive experience in the management and operations of web, library, information and knowledge management, as well as records management and archives services across various United Nations Agencies, including UNV, UNESCO, World Bank, ICAO, and the IAEA. His main interests are long-term sustainability of information services, democratization of scientific and technical information, and the creative applications of information technologies. Email [d.savic@iaea.org](mailto:d.savic@iaea.org)

#### **RIF-CS and CERIF Alignment Study: All that and a Service Registry**

Emma Tonkin, King's College London, United Kingdom

**Abstract:** The Australian National Data Service's RIF-CS schema is designed to support sharing collection and service descriptions. It is lightweight, simple and to-the-point. The Common European Research Information Format, CERIF, is an extensive and detailed conceptual model of the broad domain of research. When the question of whether CERIF could support the functionality of RIF-CS arose, it seemed a foregone conclusion - but was it? In this presentation, we discuss these formats, the environments from which the standards arose and the practical implications of their very different design philosophies.

**Bionote:** Emma Tonkin is a researcher at KCL. Originally educated as a physicist, she discovered an interest in human-computer interaction and has worked around technology and the Web ever since, as a Unix sysadmin, developer, innovation coordinator, tutor and occasional lecturer. Her interests have led her to gain qualifications in classical studies and modern languages, as well as doctoral studies in computer science at the University of Bristol. She has been involved with the Dublin Core Metadata Initiative since 2008, currently as a member of the steering committee, and has also held several positions on ASIS&T SIGS including classification research and knowledge management. She has been described as a post-disciplinarian. Email: [e.tonkin@ukoln.ac.uk](mailto:e.tonkin@ukoln.ac.uk)

#### **Providing access to research data, publications and current research information at DANS**

Peter Doorn, DANS, Netherlands

**Abstract:** The first predecessor of the DANS data archive was founded 50 years ago in 1964. Now DANS provides access to 875 thousand publications in academic repositories, 30 thousand research data sets in data repositories, together with information on 60 thousand current research projects, over 50 thousand researchers and research organisations in the Netherlands. Providing open access to research data is often regarded as more challenging than providing open access to research publications. It is however

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ironic that whereas only 40% of the publications in the academic repositories are freely and openly accessible, 63% of the datasets at DANS are accessible without restriction. This presentation will focus on the need for providing permanent access to research data in context. Email: [peter.doorn@dans.knaw.nl](mailto:peter.doorn@dans.knaw.nl)

**Bionote:** Peter Doorn studied Human Geography at Utrecht University and received his PhD there. He taught Computing for Historians at Leiden University from 1985 to 1997. Later, he was the director of the Netherlands Historical Data Archive and a head of department at the Netherlands Institute for Scientific Information Services (NIWI). Since 2005 he has been the director of Data Archiving and Networked Services (DANS), an institute of the Dutch Academy (KNAW) and the Netherlands Organisation for Scientific Research (NWO). The mission of DANS is to promote permanent access to digital research data and related information. Peter coordinated the preparation phase of DARIAH, the Digital Research Infrastructure for the Arts and Humanities. Email: [peter.doorn@dans.knaw.nl](mailto:peter.doorn@dans.knaw.nl)

#### **Open Standards, the Cloud, and Grey Literature**

Panagiotis Stathopoulos, National Documentation Centre; National Hellenic Research Foundation, EKT, Greece

**Abstract:** A paradigm shift is under way, in the way digital content in general and grey literature content in particular, can be organized, aggregated and delivered. Additionally to the open source systems, increasingly the Cloud capabilities, where under the uniform term Cloud, various technologies, business and service models are aggregated, are exploited for providing digital content solutions. Cloud based services for Digital Repositories, Digital Preservations and repository interoperability, are evolving. Each Cloud service models (Infrastructure as a Service, Platform as a Service, Software Service) can contribute to the implementation of repositories, digital preservation and interoperability systems. However, in this paradigm shift the significance of open standards, in the light of migration among different Cloud providers and the significance of the neutrality of Cloud operators, is ever increasing. In order to accommodate that, Digital content interoperability guidelines and their validations tools are increasingly needed. The efforts made by the National Documentation Center of Greece for providing Requirements and Specifications for Open Digital Content, validated by an online Open Standards Validation system will be presented. These specifications have been used by a series of Greek digital culture projects, which include also grey literature material. Specifications and validation tools provide the necessary framework for actively ensuring, the interoperation of the various digital repositories systems, whether Cloud or standalone based, to aggregator services and for providing additional value added services to their end users. Furthermore, a Repository as a Service system is offered by EKT, building upon previous e-infrastructures of the National Documentation center, and provided for Greek public institutions as a SaaS based tool for organizing and delivering grey literature content, in a viable manner. Readily available SaaS and Cloud platforms and also interoperability and validation tools, are crucial in order to make possible interoperable Cloud solutions and provide greater and viable visibility to grey literature content, worldwide

**Bionote:** Panagiotis Stathopoulos works for EKT NHRF since 2006 as Head of the Networks and Systems Unit. He is the Systems and Networks architect for EKT's large scale national and international e-infrastructure projects. He holds a Ph.D. in Broadband Networks (2004) and Diploma in Electrical and Computer Engineering (1999) from the National Technical University of Athens and has served as an Adjunct Lecturer at the University of the Aegean. Email: [pstath@ekt.gr](mailto:pstath@ekt.gr)

#### **Academic Community: Attitude towards Open Science, Social Context of the Science System Transformation in Poland**, Maciej Ostaszewski, OPI, Poland

**Abstract:** During the last decade Open Science concepts gained popularity and became reference models for scientific communication. Leading universities, governments and research funders have pursued

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policies of the implementation of Open Science ideas in research practice. The related transformations of the entire science system in a visible way affect changes of the environment for individual scientists. The implementation of Open Science ideas provides wider publishing field, more opportunities for sharing ideas with other scientists and collaboration, consequently granting higher recognition and visibility in the academic community. Poland has only recently entered the path towards wide-range implementation of Open Science concepts and still Polish academic community will inevitably have to face all challenges that follow from introducing new patterns of knowledge distribution and new models of scholarly communication, driven by Open Science ideas. A future international position of Poland in global research landscape will be strongly dependent upon the scale of adoption to the new standards and models. The first extensive study, based on a quantitative survey was conducted by the National Information Processing Institute with the objective to set up a diagnosis on the general awareness and attitude among Polish professionally active scientists towards broadly viewed issues of Open Science. The survey also addressed various special issues related to practical aspects of Open Science adoption and acceptance. Our main objective is to overview the main results of the survey and, beyond that, to discuss an impact of the Open Science adoption onto the entire transformation of the science system in Poland. A special situation is observed in the field of grey literature. As those publications remain accounted in the Polish scientific evaluation processes, a challenging problem arises on how deal with their bibliometrics. A reference will be given to the Polish Scientific Bibliography (PBN) and Pol-Index (Polish Citation System), core components of the governmental information infrastructure, of special relevance to the publishing in arts, humanities and social science. The significance of open access models gets more articulated in these fields.

**Bionote:** Maciej Ostaszewski is currently involved into sociological research on the knowledge and attitude of the academic community in Poland towards various aspects of Open Science. He has led some research projects in the sociology of science addressing problems of the institutional/geographic mobility of Polish scientists. His main research interests refer to new open models of scholarly communication, knowledge sharing and social aspects of Internet technology developments.

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#### **The Open Access Infrastructure for Research in Europe: OpenAIRE**

Donatella Castelli, ISTI-CNR, Italy

**Abstract:** OpenAIREplus (Open Access Infrastructure for Research in Europe) is an EC funded project (Jan 2012 – December 2014) whose goal is to realize, enhance, and operate the Open Access European scholarly communication data infrastructure. This presentation will introduce the European Open Access network underpinning the infrastructure and the infrastructure services that are conceived to collect, interlink and provide access to peer-reviewed and non-peer reviewed publications (from repositories), datasets (from dataset archives), and projects of the European Commission and national funding schemes (from CRIS systems). It will also present the plans to extend this infrastructure for dealing with additional type of research outcome.

**Bionote:** Donatella Castelli is a Senior Researcher working at Istituto di Scienza e Tecnologie della Informazione “A. Faedo” of the Italian National Research Council (CNR-ISTI). She has been the principal investigator of several European and International funded projects on digital libraries and data e-Infrastructures acquiring considerable experience in these domains. Currently, she is the technical director of OpenAIRE, the Open Access infrastructure for Research in Europe. She is the scientific director of the EU iMarine data infrastructure developed and operated to support an Ecosystem Approach to fisheries management and conservation of marine living resources. She is a member of the Research Data Alliance Europe Expert Group that promotes research and cross-infrastructure coordination at global level. Her scientific interests are centered on data modeling, data interoperability and data infrastructure.