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7TH UNICA SCHOLARLY COMMUNICATION SEMINAR:

VISIBILITY, VISIBILITY, VISIBILITY

Sapienza University of Rome, Cloister Hall of the Faculty of Civil and Industrial Engineering, Via
Eudossiana 18, Roma



BIOGRAPHIES AND ABSTRACTS

SESSION 1: DELIVERING EDUCATION ONLINE : IMPACTS & IMPLICATIONS

Myths and realities about student learning in Higher Education by Philippe EMLIT, Université Libre de Bruxelles

For many years, Information and Communication Technologies (ICTs) have been inducing major changes in higher education learning process (Buckley et al., 2010; Karsenti et al., 2012).

From the institutional point of view, on the one hand, new devices and equipment are regularly introduced in the classroom to improve pedagogical practices and, on the other hand, simultaneously, student use of technology grows exponentially with time (Buckley, Pitt, Norton et Owens, 2010). As a consequence, a rapid emergence of podcasting, social networking and MOOC production has been recently observed at the university. From the university student perspective, several research papers (Sclater, 2008; Bonfils et Peraya, 2010; Peraya et Bonfils, 2012; Roland et Talbot, 2014) report the emergence of new learning practices, fully compatible with several numerical tools. These student practices strive for developing, besides institutional learning management systems, their own personal learning environments, available on the web everywhere at any time, including web 2.0 tools and services.

Nevertheless, many myths exist about technological skills of higher education students, from their natural know-how as « digital natives » to the ubiquitous and permanent use of technologies in their learning process. Based on our observation of the learning activity of students from the Université libre de Bruxelles during the last 3 years, our communication will demonstrate that university students are indeed aware of the existence of some digital tools, but at the same time most of them are definitely not expert users, as they only run basic functions of just a little part of these tools.

From this statement, we would like to induce some reflection about the precise place to give to digital technology within the higher education teaching context, in order to improve its efficiency and the quality of student learning environment.

Philippe Emplit is a Professor from the Ecole Polytechnique (EPB) at the Université libre de Bruxelles (ULB), where he is Director of the so-called OPERA Department, active in research and teaching in the fields of general physics, optics, photonics, electromagnetism, and radio-communication. He is the author of more than 70 internationally referenced publications dealing with photonics, and more recently with higher education. Philippe Emplit teaching activities concern electrical and physical engineers from EPB, as well as business engineers from the Solvay school of economics and management at the ULB.



Since early 2011, he is the Vice-rector of ULB in charge of teaching and learning affairs. He is the institutional supervisor of the ULB initiatives in the fields of academic podcasting (ULB Podcast) and MOOCs.

MOOCs at Sapienza: the first year of Open Online Courses

Carlo Cosmelli is a Professor of Physics, Physics Department, Sapienza University of Rome. He graduated from Sapienza, his thesis regarded a superconducting magnetometer (SQUID) for the magnetic analysis of Hemoglobin. He then joined the group created in Rome by Edoardo Amaldi for the experimental search on Gravity Waves, developing the superconducting detecting system used by the Explorer GWA at CERN. In 1980 he was at the University of Maryland (Washington DC) as associate researcher in the Joe Weber group. Coming back to Italy as a researcher in 1986 he became associate professor in Salerno, and then was called by the Engineering Faculty of Sapienza to teach in the laboratory class of Electronic Engineering. During these years he set the detection system, the three-mode superconducting transducer coupled to a dc SQUID for the Nautilus Gravitational wave antenna, first in Geneva at CERN and then in Frascati-INFN. He created a small group at the Rome Physics Department to investigate quantum effects appearing on macroscopic systems, namely superconducting devices cooled below 100 mK. He makes the measurements in stationary regimes of the quantized energy levels of a Josephson Junction and of an rf-SQUID cooled below 50mK. He then moved to experimental Quantum Computation, presenting a project for the implementation of a qubit realized with superconducting devices. The Project SQC (Superconducting Quantum Computing) is supported by INFN, Italy. He took measurements on a dc SQUID based qubit measuring, for the first time, the coherent oscillations induced by microwave pulses. He also began to collaborate (2006) with the CUORE (Cryogenic Underground Observatory for Rare Events) experiment, situated in the Gran Sasso laboratories, in the search of neutrinoless double beta decay. Recently he has been the PI of a project on the ethics and optimisation of Science Communication, and (2004/2009) responsible for the Science, Engineering and Statistics Faculties of Sapienza, on the high school student counseling for the best choice of the university curricula. He collaborates with Italian TV programs (Geo&Geo) showing easy homemade physics experiments. At present he teaches at Sapienza : "Electricity and Magnetism", for Engineering students, "Physics principles" for Philosophy students, and "Science & Theatre Laboratory" for Science and Performing Arts students.



How can academic libraries support online learning? Case study by Lieselot VERRYCKT and Steven LAPORTE, University Library, Vrije Universiteit Brussel

Online tutorials for the advancement of information skills have become an important tool for many university libraries to inform their users about the possibilities of library services. As reference librarians of the Vrije Universiteit Brussel we are currently involved in creating an online platform for the advancement of information skills of our students as well as our

academic researchers. To support and inspire the development of new tutorials, we have proposed to conduct an extensive survey of online tutorials that are presently available to the public. Tutorials in the survey will be evaluated according to their content, intended target groups, technical aspects, the educational tools that were used and the way they are deployed. The results of such a survey should prove to be a useful benchmarking tool (currently not existing) for the future development of online learning tools in university libraries. In addition to this, the survey aims to work as a catalyst to stimulate the exchange of expertise between those who are already actively involved in providing online learning tools for information skills.

Lieselot Verryckt is a staff member of the library of the Vrije Universiteit Brussel. As reference librarian for the faculties of Science and Engineering, she aims to optimize the information resources offered. Furthermore, she has taken an interest in information literacy and is a member of the team developing a VUB tutorial. Lieselot obtained her degree in Library and Information Science from the University of Antwerp in 2010. Before joining the Vrije Universiteit Brussel in 2013, she worked in the libraries of the European Space Agency ESA, where she focused on collection development, policy writing and management of electronic resources.



Steven Laporte is a philosopher and a library and information scientist. He is currently combining a position as a reference librarian for the library of the Vrije Universiteit Brussels with the writing of his PhD thesis on the philosophy of information. Previously, he has worked as lecturer in legal aspects of information in Pestalozzi, Antwerp, an education officer at Bibnet, Brussels, and an expert project officer at the University of Antwerp. He has graduated with honours from the Universities of Gent, Antwerp and Vrije Universiteit Brussel.



SESSION 2: NEW COMPETENCIES FOR THE ACADEMIC LIBRARIAN

Patron Driven Acquisition by Eoin MCCARNEY and Mark TYNAN, University College Dublin

Patron driven acquisition (PDA) has been used as an academic library collection development tool since the early 2000s, but University College Dublin became the first library in the Republic of Ireland to trial it in 2013.

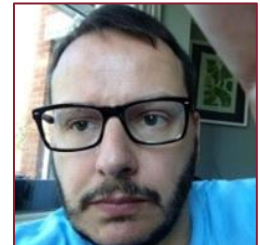
Where the majority of PDA exercises have electronic material as the sole choice for users, UCD Library differed in including the option to select print. It was the print side of our exercise which was to prove the most challenging.

Our presentation is a case study of how PDA worked in UCD Library, how library staff handled a new and unfamiliar method of collection development, the impact it had on the workflow in

the Collection Services department, and how academic staff and students engaged with the process.

UCD Library ran a second, scaled down PDA project in 2014. We will critically assess the two projects, analyse patterns of PDA usage by subject and format and assess the impact of PDA on professional and technical services workflow. In conclusion we will present our verdict on the usefulness of PDA as a collection development tool.

Eoin McCarney is Head of Collection Services at UCD Library where he has previously worked as Systems Librarian. Eoin has worked in a number of Irish libraries over the past fifteen years including Dublin City University, the National Library of Ireland and the Royal Irish Academy. He is interested in all aspects of library work but with a particular focus on the intersection of new technologies and collection services.



Mark Tynan has worked in the library of University College Dublin since 2007. He currently works in UCD Library's Collection Services department as a Collection Development and Description Librarian, with responsibility for Business, Economics, English, Film Studies, Law, Medicine and Politics. Other roles in UCD Library have included liaison librarian to the UCD Schools of Business, Law and Politics & International Relations, and Development Studies librarian. Mark previously worked in the music library and television archive of the Irish national broadcaster RTÉ, and in the public library in Kilkenny city.



Supporting research and researchers - publishing by Anders SÖDERBÄCK, Stockholm University Library

The digital information landscape has, for the past 20 years, provided one disruption after another to the traditional university library. What was once perceived as the core of the library, The Collection, is no longer central to library services. Patron Driven Acquisitions and Open Access are two strong trends that challenge the notion of the library as gate keeper of information resources. Instead of collection development, libraries take on new responsibilities, often connected to the output of information from the university. Instead of being a consumer of information, libraries begin to take the role of a publisher. Libraries also become involved with new types of information resources, working with research data as well as CRIS-systems.

At Stockholm University Library, we see the library as providing two basic services: one is the more traditional service of providing information to researchers and students, the other is the newer service of supporting publishing of information. Developing new services to support publishing also requires making the traditional services more efficient, sometimes even downsized. This presentation will give an insight into how this challenge has been faced by Stockholm University Library, and what impact did this have on the librarian's competencies.

Anders Söderbäck is Head of Publishing and Acting Head of Development at Stockholm University Library. He is also a Board Member of the Swedish Library Association and of the Strategic Board for the DiVA consortium for Swedish institutional repositories. Previously, Anders worked with national coordination issues at the National Library of Sweden, primarily with the LIBRIS union catalog and the BIBSAM journal licensing consortium. Anders holds a Masters degree in Library and Information Science from Uppsala University.



Library as Publisher by Lucia STACCONE, Library System, Roma Tre University

The RomaTrE-Press online publishing project was launched by Roma Tre University in 2012 to promote online open access publishing among its researchers and authors and to assure a wider dissemination of their publications (academic journals, conference proceedings, book series) at a lower cost of production.

Numerous authors in social sciences, law and humanities have chosen to publish with RomaTrE-Press, appreciating the visibility given to their works by unrestricted and worldwide access to publications.

In this framework, the academic library and librarians share their expertise on the dissemination of knowledge with other professionals (as editors, book designers etc.) in order to provide the best support to authors in the publishing process, while developing new skills needed to ensure discoverability, accessibility and preservation of online publications.

Lucia Staccone is a librarian at Roma Tre University (Rome) since 2001. She is at present Head of E-resources Department of Roma Tre Library System. Her work focuses mainly on digital library and open access issues (Institutional repository ArcAdiA and Roma TrE-Press online publishing project).



Data librarian: helping researchers with data issues by Mari Elisa KUUSNIEMI, Helsinki University Library

Librarians and information specialists are looking for new roles in serving researchers and collaborating with them. Research data management (RDM) services are a part of this development.

In the autumn 2012, Helsinki University Library started a training project, involving 15-20 library staff members and a project coordinator. The training workshops were as interactive as possible, the learning goals were set together and the participants taught each other. Data management practices vary significantly between disciplines. Because University of Helsinki is a multidisciplinary research university, the data archives and the current status of RDM

practices in various research fields were widely examined. In total the training consisted of ten workshops (three hours each) and learning assignments in between the workshops.

After the staff training project, we started to plan RDM training and guidance services for researchers. The first step was to organize three workshops and plan RDM training for the doctoral schools. The very basics of RDM were included in this training. Our aim is to get doctoral students to think RDM as a basis for successful research, and urge them to find out more. This RDM training to doctoral schools was the launch of the library's RDM services, and it immediately created a demand for more.

Research data management is an integral part of information literacy, publishing and Open Science. With our projects, it has become clear to us that in the future the Data Librarian is a role we all information specialists or subject librarians should take.

Mari Elisa Kuusniemi is Science Information Specialist in Helsinki University Library. She is a member of researcher service team and is responsible for research evaluation (bibliometrics) and research data management services in Terkko, the medical campus library. She has worked on researcher services since 2002. Mari Elisa leads the Helsinki university library's research data management service team, which operates on four university campuses and at a university hospital.



Embedded Librarians in Knowledge Development: Tor Vergata Research Archive by Paola COPPOLA, Tor Vergata University Library System

Paola Coppola is the Chief Librarian of 'Vilfredo Pareto' Library at the Faculty of Economics. She is part of the team of 'Tor Vergata Research Archive' and member of the Libraries Committee at the Conference of Italian University Rectors (CRUI). She is equally involved in the working group CRUI "Libraries and Education". From 2007 to 2013 she was member of the working group within the CRUI "Open Access" Committee.



SESSION 3: DIGITAL CHALLENGES IN THE HUMANITIES AND SOCIAL SCIENCES

The road to Open Access Monographs by Eelco FERWERDA, OAPEN Foundation

This presentation will give an overview of the transition to Open Access in the Humanities and Social Sciences, especially for monographs. The presentation will look at some of the differences between articles and books, and provide an overview at various levels: OA book publishers; emerging OA models (including business models); licensing practices; available infrastructures/services. The presentation will bring attention to some of the challenges that

need to be overcome in the transition to OA, and conclude with some opportunities for libraries.

Eelco Ferwerda is Director of OAPEN, a foundation dedicated to OA books. He has been active in the area of Open Access for monographs since 2008, when he started managing OAPEN as EU co-funded project with 6 European university presses. Before that he worked as Publisher of digital publications at Amsterdam University Press. Before joining AUP in 2002, he worked in various new media subsidiaries at the former Dutch newspaper publisher PCM, lastly as Manager Business Development for PCM Interactive Media.



In 2013, he organised a conference about OA monographs in the Humanities and Social Sciences together with Caren Milloy of JISC Collections and hosted by the British Library.

Ferwerda is member of board of directors of the Open Access Scholarly Publishers Association (OASPA). He is co-founder of the Association of European University Presses (AEUP, 2010) and of the Directory of Open Access Books (DOAB), which he launched with Lars Bjørnshauge in 2012.

About OAPEN:

The OAPEN Foundation is dedicated to Open Access publishing of academic books. OAPEN operates two platforms, the OAPEN Library and the Directory of Open Access Books (DOAB).

The OAPEN Library currently contains over 2200 freely accessible and Open Access academic books from 75 publishers. OAPEN works with publishers to build a quality controlled collection of Open Access books, and provides services for publishers, libraries and research funders in the areas of dissemination, quality assurance and digital preservation.

OAPEN hosts and disseminates the Knowledge Unlatched collection of OA books and the books funded by the Wellcome Trust in the UK and FWF in Austria. Recently, OAPEN launched a new pilot project with JISC Collections to set up centralised services for OA monographs with UK universities.

Assessment in SSH – Making Social Sciences and Humanities Visible by Maria FORSMAN, Helsinki University Library

It is easy to evaluate the visibility of science and medicine that publish mostly articles in highly ranked journals in English. Those articles often appear in citation databases like Web of Science or Scopus – and we are used to thinking that citations and citation analyses tell all about the visibility (and importance) of research.

Social sciences and humanities are different. They often rely on slow growth of knowledge. Researchers write books and articles, mostly alone or with one or two colleagues, and often in other languages than English. Only a small part of SSH books and articles published in the world appear in citation databases.

For researchers it is important to know that their work has been noticed– for example in a book review or in a foreword or footnote. For universities it is important to show that also research in the fields of SSH is valued and worth funding. There are many ways to evaluate the visibility of SSH sciences. National and international ranking lists of journals, publishers and conferences tell about the quality of a publication. Google Scholar and Publish or Perish are new possibilities to follow the visibility in the Internet. Library catalogues tell if someone has made an acquisition proposal for buying a book to the library. And finally, what is happening in social media? Does altmetrics help in assessment in SSH sciences?

Maria Forsman is a Chief Information Specialist at the Helsinki University Library. She holds a D.Soc.Sciences (Information Studies) from Abo Akademi University (2005). Forsman has served in the library and information service sector since 1972, and she has also worked as a researcher and teacher. She has delivered lectures on scientific publication activities, bibliometrics and research evaluations at Finnish and international seminars. Forsman has published several articles in scientific and professional journals and books. She holds many positions of trust in her field. Among others she founded the Finnish Research Library Association's working group on research services and has served as its chair since 2010. She is "Academic of the Year 2013", named by The Finnish Union of University Researchers and Teachers (FUURT). She has distinguished herself especially as a bibliometrics expert and researcher.



How an European aggregator disseminates scholarly content: the Torrossa Platform experience by Andrea FERRO, Casalini Libri

The Casalini's approach to scholarly content dissemination can be summarized in **two words**: **Listen**, to the needs of publishers and libraries (we play a pivotal role between these two stakeholders); **Evolve**: building a modern and efficient infrastructure to empower the publishers' strategies to go global. At the core of the Casalini strategy is the Torrossa full text platform, now hosting more than 300,000 articles and chapters, 20,000 e-books and 700 e-journals from over 190 Italian, Spanish, French and Portuguese publishers. Torrossa features a complete array of tools for full text searches and bibliographic data management, supporting the major citation export systems such as Mendeley, Zotero, EndNote and RefWorks. Casalini also cooperates with the major discovery services and federated search engines, in order to make its content fully discoverable.

Andrea Ferro is Account Development Manager of e-Resources at Casalini libri. Graduated in Law from the University of Florence. Prior to joining Casalini libri in 2009 he worked for 10 years as a Marketing and Communications specialist in the IT industry. His focus is on opening new markets for the scholarly e-content hosted on the Casalini full text platform Torrossa.



SESSION 4: MY ONLINE PRESENCE - WHY SHOULD I CARE?

Academic social networks: challenges and opportunities by Pascal AVENTURIER, INRA Institut National de la Recherche Agronomique, France

Since 2000 social networks have emerged, revolutionizing the way we stay in touch and share content with others. Publication-based social networks have offered similar functions within an academic context, beginning in 2008.

Many researchers are registered on these sites. However, although there are some experts in this domain, many do so without fully exploiting them and without the backing of their respective institutions. Further, they proceed without a solid knowledge of the problems of digital identity or how to take advantage of related tools.

This phenomenon has plagued our institutions, with respect to the control of knowledge and the dissemination of information, the reputation and visibility of the institution, the relationship between bodies of information distributed on networks and information systems and relative to each institution's research. Another problem that arises is that of improving research visibility and the creation of collaborations.

The presentation will introduce some academic networks, their main functions, how researchers can benefit from them and how to help researchers better utilize social networks. Further, the session will show how institutions might benefit from this activity, while also keeping a watchful eye on its use.

Pascal Aventurier has been leading the Regional Scientific Information Team at the French National Institute for Agricultural Research's (INRA, France) PACA Centre since 2002. He is also co-leader of the scientific information technology group. His focus is on research data, linked open data, open access technologies, knowledge management and controlled vocabularies, as well as researching digital and social tool practices. His team is also exploring the evolution of social networks for academic use. He teaches Scientific and Technical Information at INRA, as well as at ENSSIB and CNAM. He holds a Master's degree in Information Communication Science, University of Grenoble II, France (1990).



Mendeley – your research anywhere by Jacopo CIAMBELLA, DISG, Sapienza University of Rome, and Massimiliano BEARZOT, Mendeley/ Elsevier Italia

What is Mendeley? Mendeley is a reference manager allowing you to manage, read, share, annotate and cite your research papers, forming a crowd-sourced database with a unique

layer of social research information and an Open API and an academic collaboration network with 3 Million users to connect like-minded researchers & discover research trends and statistics.

Jacopo Ciambella is a researcher at the Department of Structural and Geotechnical Engineering. He was formerly a lecturer in Composites Engineering at the University of Bristol. His interest on nonlinear viscoelasticity of nano composites has origins from his PhD work undertaken at the University of Rome "La Sapienza" in cooperation with Bridgestone Technical Center Europe (2006-2010). His research also deals with micro-macro modelling of multifunctional composites and energy absorbing composite materials.



Massimiliano Bearzot is Customer Consultant South Europe, France and Israel within the Research Solutions Team of Elsevier. He works with customers to understand researcher's needs in the use of the solutions: Science Direct, Scopus and Mendeley. Prior to this Massimiliano worked at Elsevier as Account Manager for Italy, Greece, Cyprus and Malta.

Altmetrics by Catherine CHIMES, Altmetric.com

Alternative metrics (or altmetrics, as they are commonly known) are becoming an increasingly widespread tool for monitoring and reporting on the broader impact and dissemination of research.

Altmetric collects article level metrics and the online conversations around research, combining a selection of online indicators (both scholarly and non-scholarly) to give a measurement of digital impact and reach. We do this by tracking, collecting and measuring large amounts of data collected from all of the places where scholars, patient advocates, journalists, nurses, engineers and members of the public talk about research online - for example, blogs, Twitter, Facebook, Google+, post-publication peer-review sites, policy documents and mainstream newspapers and magazines.

Altmetric allows authors and their institutions to see what people are saying about a scholarly paper and can tell them how much attention a paper is receiving relative to their peers. In 2013, Altmetric began providing free data and visualisations to open-access institutional repositories via an API and badge integrations, and the last few years have seen a number of institutions make changes to implement altmetrics in their websites and research workflows.

In this session we will take a look at some of these integrations, and show how institutions and researchers can get started using the data themselves.

Catherine Chimes joined Altmetric in November 2013, and heads up marketing and customer relations. Altmetric works with publishers, researchers, institutions and funders, to help them track and analyse online mentions of their published research, and aim to make article level metrics easy. Prior to this, Catherine worked in end user and library marketing at Nature Publishing Group and SAGE publications.



SESSION 5: STRATEGIES TO INCREASE VISIBILITY

***Opening up science in Horizon 2020 and beyond* by Celina RAMJOUÉ, Directorate General for Communications Networks, Content & Technology, European Commission**

Within the open science debate, the European Commission acts as both a policy maker and a research funder. As policy maker, it works with the Member States to co-ordinate national policies on access to and preservation of scientific information. As a research funder, it sets rules on open access and open research data in Horizon 2020. This presentation will give an overview of the Commission's vision and work regarding open access to scientific publications and open research data, and will put it into the broader context of the emerging policy work on open science.

Celina Ramjoué is Head of Sector on Open Access to Scientific Publications and Data within the Digital Science Unit of the European Commission's DG Communications Networks, Content and Technology (CONNECT). Celina has worked as a policy officer on open access, open science and science and society issues within the European Commission since 2005. Prior to joining the European Commission, Celina was a researcher in the field of comparative public policy at the University of Zurich. Celina holds a B.A., M.A. and Ph.D. in political science and foreign affairs (Universities of Virginia, Munich and Zurich) and has spent time as a visiting researcher at Harvard University and the European University Institute.



***OPENAIRE* by Katerina IATROPOULOU, National & Kapodistrian University of Athens**

OpenAIRE is entering its new, pivotal phase (OpenAIRE2020) in the long-term effort to implement and strengthen the impact of the Open Access (OA) policies of the European Commission (EC). With the aim to serve as the European scholarly communication infrastructure that manages and monitors all types of research outcomes from EC-funded research, it combines its substantial networking capacities and technical capabilities to deliver a robust infrastructure offering support for the Open Access policies in Horizon 2020, via a range of pan-European outreach activities and a suite of services for key stakeholders. It provides researcher support and services for the Open Data Pilot and investigates its legal ramifications. It offers to national funders the ability to implement OpenAIRE services to monitor research output, whilst new impact measures for research are investigated. OpenAIRE2020 engages with innovative publishing and data initiatives via studies and pilots. By liaising with global infrastructures, it ensures international interoperability of repositories and their valuable OA contents.

Katerina Iatropoulou is a senior software engineer and a member of the Research and Development staff of MADGIK group at the Department of Informatics and Telecommunications in the University of Athens, Greece. She holds a M.Sc. in Computer Systems Technology and a B.Sc. in Informatics and Telecommunications from the University of Athens, Greece. She has been involved in the design and implementation of several successful, large-scale EU-funded projects, including OpenAIRE and Driver (I & II). She is particularly experienced in the design and implementation of web interfaces and web based applications for digital repositories and libraries. She is currently working for the OpenAIREplus project, in the development of the portal and the end user services related to search, access and linking of research data.



Institutional repository and CRIS by Pauli ASSINEN, University of Helsinki

How to enhance visibility of research outputs with integration of the information systems? How to deal with complexity of different stakeholders needs? Planning and implementation of the information systems have various backgrounds and are based on needs of many stakeholders. This gives both opportunities and challenges to system integration. In the University of Helsinki development of institutional repository has been driven by university library. On the other hand research services in the central administration are in charge of the CRIS and the development of the CRIS started by initiative from faculty level. Both are interested in making research more visible as is communication unit. Researchers have their own expectations for systems as do those who make reports to the rectorate and the ministry of education.

Pauli Assinen is working as Head of Development at Helsinki University Library. His main responsibilities are library's project portfolio, project management and enterprise architecture. He has been working at the University of Helsinki for twenty years, most of the time as information systems manager at the IT-department and the Helsinki University Library. Pauli has also worked as business consultant in private consultant company.



Digital library and preservation repository at the Sapienza University: open models for a sustainable system by Maria GUERCIO, Sapienza University of Rome

The presentation is articulated in two parts: 1. an introduction which analyses critical issues and advanced requirements for building academic digital libraries and preserving their content; 2. the description of the project under implementation at the Sapienza University of Rome.

The curation and preservation of digital resources created in a research environment presents more critical aspects than projects and services planned for other memory institutions like those involved in preserving the national heritage. In fact, the e-science dimension implies a

number of conflicting factors related to the increasing role of the digital documentary heritage for the contemporary scientific disciplines but also with reference to its fragmented and dispersed nature and its uncontrolled diversity: the variety of formats to create information and archives and the increasing complexity of systems where they are stored (but not preserved) are challenges which put at risk the feasibility and the sustainability of projects for certified digital repositories when planned at institutional level.

The Sapienza University has developed an ambitious project (Sapienza Digital Library – SDL) with the goal of identifying, making accessible and preserving in digital form the significant scientific heritage created by the Sapienza researchers. The ambition is to make this material understandable and re-usable both for the scientific community and professionals and for no-academic users. The digital resources are described by the researchers themselves, on the basis of detailed policies and with the intermediation of librarians and archivists.

Maria Guercio is a Professor in archival science and electronic recordkeeping at Sapienza University of Rome (Digilab). She cooperates with ICT State authority to define Italian legislation on ERMS. She is a coordinator of research on digital preservation for Sapienza, partner in many international projects (ERPANET, DELOS, CASPAR, InterPARES) and co-leads a research on digital authenticity for APARSEN (2011-2014). She is part of the steering committee of Section for Archival Education and component of ICA Programme Committee. Author of articles and manuals in the field, in 2009 she won the Emmet Lehay Award for information and records management.

