Library (r)evolution:
Promoting sustainable information practices

The 22\textsuperscript{nd} international BOBCATSSS symposium
January 29-31 2014, Barcelona, Spain

Abstracts
Library (r)evolution: Promoting sustainable information practices
The 22nd international BOBCATSSS symposium, January 29-31, 2014, Barcelona, Spain

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Preface

Welcome to the Abstracts of the 22\textsuperscript{nd} BOBCATSSS conference in Barcelona organized by students from Department of Library and Information Science, University of Barcelona, Spain and Swedish School of Library and Information Science, University of Borås, Sweden.

Sustainability has become an important part of our lives and the need for knowledge concerning the sustainable development is now greater than ever. However the area of sustainability is not a simple one and still ought to be explored. Focusing on the topic “Library (r)evolution: Promoting sustainable information practices” we wanted to provide a platform to encourage exploration of the relationships between concepts and practices in the library and information science field and the sustainability but also, as we gather together in Barcelona, to stimulate discussions and exchange of ideas between students, researchers and professionals. In total we received 156 contributions covering a broad range of topics. This book contains an overview corresponding to the selected presentations at the conference of approximately 42 papers, 9 workshops and 27 posters. In addition to this book the full text versions of the contributions are available online at BOBCATSSS 2014 Proceedings at the University Library of Borås. Finally we would like to extend our gratitude to keynote speakers, reviewers and sponsors for their generous participation and support. We thank all authors and participants from over 30 countries, without whom the conference would not have been possible.

Have an enjoyable conference and stay in Barcelona!

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KEYNOTE SPEAKERS
Dr. Jutta Haider

How Library and Information Science can save the world and why to care!
In her presentation she will focus on two interconnected issues. Firstly, she will argue for Library and Information Science’s unique suitability to function as a nexus between professions, policy makers and different research disciplines. Secondly, she will outline how informing about the environment, including on environmental protection and destruction, needs to be (re)framed in a way that deeply inscribes it into practices of everyday life.

Jutta Haider is a Senior Lecturer in Information Studies at the Department of Arts and Cultural Sciences at Lund University, Sweden. She holds a doctorate from the Department of Information Science, City University, London, UK and has a magister degree in philology from Vienna University.

Her research focuses on digital cultures’ emerging conditions for production, use and distribution of knowledge as well as on environmental information. Issues connected to social responsibility and sustainability run like a red thread through her research, including research on notions of information poverty, open access and development, or most recently revolving around information and environmental concerns.
Lluís Anglada i de Ferrer

Are libraries sustainable in a world of free, digital and networked information? This presentation will focus on the sustainability of the physical library in a networked world. The existence of library buildings is seldom questioned and they are deeply entrenched in democratic societies. However, they have always been associated with physical documents (manuscripts or print) and as our society is shifting to a landscape of digital and networked information the question arises if the need for libraries will disappear too? The sustainability of libraries is related to costs, their utility and their perceived value. The lecture will try to say something interesting about this.

Biography

Lluís Anglada i de Ferrer is the Director of the Consortium of Academic Libraries of Catalonia. He is active in several professional associations and committees at Catalan and Spanish level. He is also a member of the Library Advisory Board for Nature Publishing Group and Elsevier and has been a member of the OCLC Global Council between 2009 and 2012, as well as serving in the Cost Sharing Models Task Force of the OCLC Global Council.

Lluís Anglada also blogs about cooperation and technology in libraries and is the coordinator of another blog that summarizes library technical reports. He is experienced in writing articles and giving talks on new trends in librarianship, new technologies and libraries, as well as on cooperation and quality insurance.
PAPERS
Towards a Better Future?
Exploring alternatives to paper: a case for ICTS and E-resources

Anita Acon, University of Pretoria, South Africa

The use of paper based resources have afforded many people over generations the ability to access information that they previously might not have had the means to. The increasing reliance on paper for dissemination of information has, however, had a negative effect on the environment in the way of deforestation for the purposes of manufacturing paper. This paper critically examines existing literature to determine how ever emerging technologies in the way of ICTs are enabling societies to move away from complete reliance on paper, and towards increasingly paper free environments. The paper highlights some of the opportunities and challenges experienced when looking at the possibility of using ICTs and e-resources such as e-books, as well as providing insights and recommendations in light of growing studies from around the world as they relate to the issues of environmental degradation for paper manufacturing.

Keywords: paper, ICTs, deforestation, sustainable development, e-books
Applying Knowledge Management Strategies for Economic Development and Sustainability in the Caribbean

Edwin M. Cortez & Ivonne Saide Ramirez, University of Tennessee, Knoxville, USA

Sustainability looks to achieve best outcomes for human and natural environments both now and in the indefinite future. It relates to the continuity of economic, social, institutional and environmental aspects of human society, as well as the non-human environment. This paper examines economic development as one aspect of sustainability with a focus on knowledge management as an economic development strategy. The predicate of the paper is that productive capability is no longer completely dependent on capital and equipment; information and knowledge assets are increasingly important. In this information economy, success comes from harnessing the information and knowledge of a community especially as it relates to “indigenous knowledge”—that local, often tacit knowledge, which exists in every community, every region and every country. This knowledge is useful in identifying new entrepreneurial opportunities as well as for sustaining and advancing local businesses. The region examined in the paper is the underdeveloped Caribbean Islands.

Keywords: economic development, sustainability, knowledge management, Caribbean Nations
The sustainability of Open Access journals: a short review

Miguel E. Navas-Fernández, Universitat de Barcelona, Spain

To begin with, some clarifications are given in order to bury some OA myths and misunderstandings, mainly related to economic aspects. After that, a classification and description of types of journals according to their degree of free access is offered. The types of costs and funding sources are identified, described and exemplified. Great importance is given to the management, payment and sources for Article Processing Charges (APCs). Some current policies and mandates are mentioned and briefly described too.

Different dimensions belonging to the concept of business model for OA journals are mentioned, along with the case of the “big deals”. The state of the market regarding OA publishing is analyzed, including numeric and economic data. Finally, some conclusions will be issued.

A long bibliography has been reviewed in order to write this short approach to the state of the affair.

Keywords: Open Access, scholarly communication, academic publication, scientific journals, sustainability, economic aspects
Green Libraries Coming Up! National and international initiatives fostering environmental sustainable libraries and library services

Petra Hauke, Marten Grunwald & Anika Wilde, Humboldt-Universität zu Berlin, Germany

The paper will give an overview of worldwide national and international initiatives for “Greening Libraries” in order to draw attention and to raise awareness to both public as well as scholarly libraries to take a clear stand and create a visible green image for the library as an important part of their social responsibility. The paper will promote the idea that the mission of libraries should include the taking on of a leading role in teaching environmental responsibility to the public. Because a “green” image is a good image libraries should use their way of “going green” to promote a powerful green image towards their stakeholders, customers and sponsors. The upcoming LIS future generation should be encouraged to spread the “Green library movement” in their home libraries, their home library associations and their home countries.

Keywords: Green library, Ecological sustainability in libraries, Environmental sustainability movement
Green Archiving. Archiving for a sustainable world

Nikki Smit & Geert-Jan van Bussel, HvA Amsterdam University of Applied Sciences, Holland

Computers create environmental problems. Their production requires electricity, raw materials, chemical materials and large amounts of water, and supplies (often toxic) waste. They poison dumping sites and pollute groundwater. In addition, the energy consumption in IT is growing exponentially, with and without the use of ‘green’ energy. Increasing environmental awareness within information science has led to discussions on sustainable development. ‘Green’ Computing’ has been introduced: the study and practice of environmentally sustainable computing or IT. It is necessary to pay attention to the value of the information stored. In this paper, we explored the possibilities of combining Green Computing components with two theories of archival science (Archival Retention Levels and Information Value Chain respectively) to curb unnecessary power consumption. Because in 2012 storage networks were responsible for almost 30% of total IT energy costs, reducing the amount of stored information by the disposal of unneeded information should have a direct effect on IT energy use. Based on a theoretical analysis and qualitative interviews with an expert group, we developed a ‘Green Archiving’ model, that could be used by organizations to 1] reduce the amount of stored information, and 2] reduce IT power consumption. We used two exploratory case studies to research the viability of this model.

Keywords: Green Archiving, Green Computing, Sustainable IT, CSR, Archival Science.
Towards a Greener Library

Harri Sahavirta, Helsinki City Library, Finland

Libraries are environmentally friendly but they could do even more for sustainability. Libraries should emphasize their environmental strategies and they should act in a greener way. However, it is difficult to say what the greener way would be. One may rely on new technical solutions, or point out that technical solutions always require raw materials and energy. Another approach would be to emphasize that libraries offer shared space, devices and collections. The weakness is that the production of devices and books has the same impact on nature independently of how the product is used. Third possibility would be to emphasize sustainable information. An easy access to relevant and up-to-date information may well be the most efficient way to make a library greener.

Keywords: Green library, sustainability, green spaces, collections, services
Skills and literacies
Education, competencies, skills in the field of Information and Library Science in Europe

Anna Kawalec, Jagiellonian University, Poland

This paper is an analysis of the changes that are taking place in the field of Information and Library Science in selected European university centres in context of creation the European Higher Education Area. The aim of research is an analysis of skills, competences and qualifications acquired by students during LIS studies in various European countries. Labour market needs and expectations of employers are also included.

Following aspects are mentioned: the scope and profile of LIS education, the structure of study programs, learning outcomes, mobility and its advantages for future professional life, education quality assurance, similarities and differences between curriculum and study programs in analysed centres, employer’s expectation about the graduates in LIS, student’s expectation about the LIS curriculums, possible connections of LIS studies with other areas/professions, standards of competences required for LIS professions in mentioned countries.

Keywords: LIS profession, LIS studies, skills, literacies, Europé
School librarian and guided inquiry projects

Urška Repinc, Janeza Mencingerja Bohinjskla Bistrica, Slovenia
Primož Južnič, University of Ljubljana, Slovenia

School librarian's concern is to raise information and reading literacy and in this way contribute to common goal – learning to learn. Research finds out that project based on inquiry activities are successful in this context. They present enrichment for (gifted) pupils and school community. Such projects are led by flexible team of professionals (at least three, better four or more). Among them are the teacher, whose course is connected to a project theme, school librarian, ICT teacher and another professional connected with quality for project final products (language teacher, art teacher etc.). School librarian can take an initiative and coordinates such cooperative work. Pupils also gain communication skills and improve their social intelligence, and there is a lot of cooperation and adjustment in the work process. Good results are evident by higher level of information literacy which is shown by pupils' achievements at competitions, inclusions of project presentations to different local events and connections established through project activities with different partners and involving different stakeholders. A case study of one such project is presented.

Keywords: holystic approach, guided inquiry, information literacy, school librarian, collaboration
Digital library education on Master level in Borås, Copenhagen, and Oslo Qualitative case study

Marton Nemeth, Oslo and Akershus University College of Applied Sciences, Norway

The paper offers a short overview of a Master Thesis that offers a qualitative comparative case study on digital library education programmes in master level in Borås and Oslo, and the digital library related elements of LIS Master Programme curricula in Borås, Copenhagen and Oslo. The comparative analysis is placed into a wider global and European context with a literature review. Some interviews made with programme coordinators in Borås and Oslo is also referred at the thesis but these are not primary resources just add some more details to the content based on written documents and articles. The major research questions are: How do the three Scandinavian library schools in Copenhagen, Oslo, and Borås adapt digital library education related subjects in their master programmes? In which curricular form do these digital education subjects appear in the current programmes? Is it possible to determine some common features in the represented topics or education aims of the different programmes and schools? Sub-questions refer mainly to the internationalization of digital library education and to the effects of on-campus and distance course delivery ways to curricula. The paper is discussing the summary of the main findings to these research questions focusing on the most relevant common points of the programmes; It refers to a comparative framework on the subject, content and contextualization ways of different education modules.

Keywords: Comparison, qualitative case study, digital library education, Master level, Scandinavia
Knowledge sharing amongst information professionals in Bangladesh: A quantitative analysis

Md Anwarul Islam & Mitsuru Ikeda, Japan Advanced Institute of Science and Technology (JAIST), Japan
Naresh Agarwal, Simmons College, USA

The success of knowledge management initiatives largely depends on Knowledge Sharing (KS). While there have been a number of studies on knowledge sharing, very few have been conducted within libraries. There isn’t any study thus far looking at the factors influencing knowledge sharing among Library and Information Science (LIS) professionals in Bangladesh. This quantitative study measures the knowledge sharing behavior of information professionals in Bangladesh with their work colleagues. A questionnaire survey is used to gather data on attitudes and intention to share knowledge, as well as on other related factors including expected rewards, expected contribution, normative beliefs on knowledge sharing, leadership and technology platform. Preliminary findings indicate that respondents had positive attitudes and intention towards KS. This may be related to their belief that KS will improve and extend their relationships with colleagues, and offer opportunities for internal promotion.

Keywords: Knowledge management, knowledge sharing, library professionals, organizational knowledge, Bangladesh.
Bibliotherapy with prisoners?

Eszter Csorba-Simon, University of Pécs, Hungary

The problem of crime and prison is becoming an increasingly question, and the effects of this lot of discipline and speciality had started to deal with this theme, in order to give assistance to preventing and windup of crime. The root of the current essay is modelled by a professional experience, what I got hold of in the Regional Penalty Institution of Youthfuls in Pécs, where as an expectant librarian I lead on therapy for the prisoners. Bibliotherapy has got many targets: healing of psychical problems, expansion of personality, development of self-knowledge, social talents, empathy and tolerance, construction of community and recreation. The principle of bibliotherapy is that reading could help in, can help the reader begin to investigate and explore aspects of themselves, to listen to their peers, to increase their ability to communicate ideas and feelings to men of authority who they thought would never listen to them, and to engage in dialogue in a democratic agent where all ideas are valid.

My conviction is, this method has an increasingly justification in space of profession, social and education. In my essay I tried to set out and present what role could the bibliotherapy have in the services of library on strength of my experiences and non-fiction, and what positive effects could the bibliotherapy have, in my case in an especially and closed clime, like the prison.

Keywords: Bibliotherapy, Hungary, prison, library
Information seeking behaviour of LIS students: the case of Greece

Aspasia Togia & Stella Korobili, ATEI of Thessaloniki, Greece

The purpose of the present study is to give an insight into the information seeking behaviour of LIS undergraduate students in Greece. More specifically, the following research questions were addressed: (1) What information sources do LIS students most use in order to find course-related information? (2) What searching strategies are actually employed by students when using electronic resources, and how is the information they find evaluated? (3) How effective do students perceive their searches? (4) Are factors such as gender, year of study, or experience with computers related to students’ information seeking behavior? The majority of respondents demonstrated low to medium information seeking skills. Search engines dominated, topping the list of information sources most used to find course related information. Students also seemed to value their classmates as sources of information, while browsing library shelves was the third more frequently used strategy for locating information. With regard to searching techniques, keyword and phrase searching emerged as the most preferred method for searching electronic resources. When evaluating their search results, students tended to consider more often the title of the source, the title of the journal and the abstract of the source. Year of study, knowledge of English language, computer and internet use, and experience with bibliographic databases emerged as factors related to more sophisticated information behavior. Findings provide empirical evidence of the need for LIS faculty to refocus their teaching and introduce in their classes tasks and assignments which require students to use a variety of sources and search strategies.

Keywords: information behavior, LIS students, Greece
The role of marketing in sustaining information access through libraries

Terry Weech & Nicole Helregel, University of Illinois at Urbana-Champaign, USA

Libraries are central to sustaining access to information globally in the digital age. The challenges in the 21st century of maintaining access to information for all who have need are complicated by the distribution and maintenance of information primarily in digital forms. While digital delivery of information is a convenience for those who are digitally literate and have access to technical resources to retrieve the information, for much of the world, such skills and resources are not readily available without access to library resources and services. To provide sustainable information, libraries must become sustainable institutions, culturally, financially, and socially. This paper argues that marketing the library services and resources is the most effective way of reaching and maintaining this goal. Specific strategies to effectively market library services to achieve a sustainable information environment are outlined, as are suggestions for incorporating marketing content to encourage sustainable information in the curricula of schools of library and information studies.

Keywords: Marketing, Sustainable Information Access, Libraries
Using games in the library to create a more sustainable world

Camille Delaune, Amandine Doubre & Joséphine Loterie,
University Paris Descartes, Paris,

The purpose of this paper is to study how, by using a game based on open environmental data, librarians can help to promote sustainability. It is important that librarians play a part in the promotion of sustainability because they have always had the important role of providing information to citizens, thus enabling them to play an active part in society. Consequently, they must play a vital role in environmental management and development, and their full participation is essential to achieve sustainable development. However everyone is aware that libraries suffer from staff shortage this is why this paper intends to demonstrate that using an interactive and educational game based on environmental data could allow librarians to raise awareness about environmental issues, without increasing their workload.

**Keywords:** data literacy, learning, games, awareness, open data, sustainability
Academic Library Outreach: A Framework

Angela Marie Strangl, University of Illinois at Urbana
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Academic libraries could play a role in community service and outreach if a framework was developed to address challenges that often arise in these sorts of ventures. The term “community” has the potential to be applied more broadly by expanding the scope beyond the campus community. By extending the definition of community, we are greeted with a new population of users who have variety of needs— from informational to media literacy—that could be met through outreach endeavors. This paper seeks to outline potential ways in which the core missions of academic libraries align with these broader needs of community partners. Through a case study approach, it was possible to identify not only points of alignment with the library or university mission but also potential limitations and challenges with community engagement beyond the campus community.

Keywords: Academic library outreach, community engagement, outreach, community partnerships
Research Data Curator: the competencies gap

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Seamus Ross, University of Toronto, Canada
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dell'Informazione "Alessandro Faedo", Italy

The increase of digital content in the broad areas of institutional and domain specific Repositories, Libraries, Archives and Museums and the increased interest in the sharing and preservation of "research data" have triggered the emergence of new competencies and skills such as Digital Curation. The paper refers about the ongoing investigation of current data curation education and training programs with regard to competencies gap and the role of information professionals in the research lifecycle. The investigation has been based on a series of workshops and events discussing the concerns of researchers and professors about digital library and digital curation. A first list of competencies and skills at technical and operational level that professionals should have, has been evidenced. The theoretical framework and structure of educational programmes should have sufficient flexibility to accommodate the needs of various groups of specialists.

Keywords: Digital Library, Research Data Curation, Competencies
Internship organisation in Digital Library post-graduate educational programs: students’ perceptions

Sara Valla, Università degli Studi di Parma, Italy

The importance of internships in information studies related educational programmes is confirmed by the literature, practice, and investigations of the labour market (Van Der Molen, 2007) (Lorring & Kajberg, 2005) (Tammaro, 2007). The curriculum of the Master’s programme DILL (Digital Library Learning) includes an internship which aims at giving students the opportunity to carry out a program of job training and digital library work experience that can assist them in career exploration, and makes it possible to integrate academic and professional curricula. This paper reports on a small study carried out among students of DILL6 edition, who were asked to report on their perceptions on the initial phase of the process, and on the possibility of the relevant activities to foster self-reflection on knowledge, capabilities and skills, and on academic and professional goals. The focus is on the initial preparatory phase of the process, which leads to the creation of an internship plan related to specific learning outcomes, in agreement with the supervisor and the placement-hosting organisation. The aims of the study are to investigate students’ perceptions about the usefulness of the internship’s initial phase, and highlight perspectives for improvement. The objectives include identifying advantages and barriers, and investigating the time dedicated to self-reflection if related to other practical and technical aspects. The qualitative methodology of this exploratory work includes different ways of compensating for the small number of students involved: a questionnaire to students, an interview with the local coordinator, a panel with experts during a workshop, questionnaires to the placement coaches.

Keywords: perception of internship, Digital Library Learning, video resumes, placement
Introducing of the SCOAP3 Programme

Andras Bela Giczi, EKC Graduate School of Educational Sciences, Hungary

In this paper I would like to present the scope, short history and the future plans of the SCOAP3 Programme (Sponsoring Consortium for Open Access Publishing in Particle Physics). It has been founded to create a new way for sponsoring the publication of the core journals in the field of High Energy Physics (HEP). The CERN (European Organization for Nuclear Research) has gathered research institutions and libraries together from all around the world, to bring a consortium together for this purpose. These institutions - which today purchase the core journals’ subscriptions of this field – are tending to grant the funds for the publishing instead. Also the current publishers are involved, and according to their and CERN’s calculations, an annual budget has been estimated, to cover financial needs of the OA publishing. This amount is sensibly lower than the global costs of subscriptions to HEP journals nowadays.

Keywords: open access, consortium, publishing, financing, particle physics
Who, what, when, where, why, and how: Capturing administrative metadata in METS

Sarah I. Yarrito, University of Illinois at Urbana-Champaign, USA

Libraries, museums, and archives have a central role to play in digital preservation. Documenting the digital resources in their collections is an important part of preserving cultural heritage objects. In order to ensure access to digital materials over the very long-term, institutions capture metadata to describe and characterize the digital objects stored in their repositories. The associated metadata may be expressed in an XML schema, such as METS. METS is a flexible schema designed to promote interoperability and support digital preservation activities within libraries. As a metadata standard, it records all the descriptive, administrative, structural, and behavioral metadata needed to preserve a digital object for its lifecycle. Using OAI-PMH, I harvested metadata records from four different academic libraries to explore how libraries expose administrative metadata using METS.

Keywords: Digital repositories, METS, administrative metadata
Spaces, Cultures and Freedom of Information
Sustaining Transparency in Government Information and the (r)evolution of Cloud Computing

A.J. Million, University of Missouri, USA
Terry Weech, University of Illinois Urbana-Champaign USA

Libraries play an important role in ensuring access to government information. Prior to the digital age, libraries provided on-site access to government information using print and print facsimile sources (e.g. microfiche and CD-ROM disks). The emergence of distributed computing models, however, has led many government resources to move online, thus challenging libraries’ capacity to serve as civic information providers. Moving from a geographically dispersed group of analog sources to a centralized collection in the cloud introduces the potential for restriction and revision, especially with regard to official records of policy and actions. This paper explores the characteristics of cloud computing that undermine libraries’ ability to sustain free access to government information. We propose that libraries, and their advocates, should engage with governments and their information providers to craft legally-binding agreements that establish protections which facilitate sustainability. Cloud computing may undermine libraries’ ability to guarantee government information access, but it does not necessarily impugn their capacity to serve patrons and the public interest.

Keywords: Cloud Computing, E-Government, Information Access, Sustainability
Redefining the (R)evolution: Declassifyng Government Secrets in the Era of Transparency

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Libraries are in the unique position to bridge the gap between users who desire information under the Freedom of Information Act (FOIA) and declassified archived manuscripts. This task can be accomplished by a collective effort by the institutions of the United States National Archives and Records Administration (NARA), the federal depository library system, and public-private partnerships to ensure formerly classified materials are widely accessible to the public in both physical and digital forms. However, there are obstacles facing this proposed project. Many classified materials are currently published by their controlling agencies with no policy to ensure the general public or the broader community of international scholars may access the documents. Open access is also under duress due to resurgent concerns of national security. Such an effort is pressing as the United States’ federal government starts to publish archived documents and resources from the Second World War era, particularly those materials relating to the Manhattan Project and other contemporary research projects. These obstacles must be overcome in order to ensure that the historical legacy of this period is preserved and that researchers will be able to examine and analyze these invaluable primary resources for decades to come.

Keywords: Freedom of Information Act, transparency, Manhattan Project, declassification, archives
#RESISTERNET: A Research About Freedom Of Information On Social Media During Gezi Park Resistance

Burcu Erbil, Ezgi Bilgehan, Eren Alper Karaman & Caner Küçük, Ankara University, Turkey

It is unthinkable in today's social media and censorship has been independently. States are developing information policies and laws for more effective use and control of information on the Internet. In Turkey, the law No: 5651 enacted in 2007 “Regulation of Publications on the Internet and Suppression of Crimes Committed by Means of Such Publication” has been constituted for take control of information on the internet. With this law, censorship in Turkey has increased. A lot of website’s access has been restricted. The information which is shared on the personal blogs and the social networking sites has been controlled by government. During the Gezi Park Resistance, this law has found a wide range of application and a lot of people has been arrested and being liable to censorship, if people who hasn’t being liable to any sanction has been obligated to self-censorship.

This paper aims to uncover the applications of censorship and self-censorship issues during the Gezi Park Resistance. In this study interview and questionnaire methods have been used as data gathering system and activist students of Ankara University from Faculty of Languages, History and Geography has been taken as the group to carry those methods with.

Keywords: social media, censorship, self-censorship, freedom of information.
Finnish efforts in digitalization: The National Digital Library and other projects

Ilka Schiele, Stuttgart Media University, Germany

The paper aims to abridge Finnish efforts in digitalization and preservation of cultural heritage materials and to introduce the project of the Finnish National Digital Library, NDL. Finnish libraries, archives and museums are taking part in this project and the different institutions are cooperating to make their materials available to the public through the same interface. Both physical and digital materials can be found through the public interface, Finna, which is built on open source software. The project was launched and receives funds through the Finnish Ministry of Education and Culture with the aim of providing a unifying structure for services and contents of libraries, archives and museums. Other aspects of Finnish libraries in the digital age will be discussed as well.

Keywords: Finland; digital library; digitalization; preservation; open access
The university library website as a virtual study environment

Alexandra Szalacsi & Máté Tóth, Faculty of Humanities and Arts, University of Pécs, Hungary

Two trends are emerging in university libraries in the last few years. The meeting place function is strengthened that supports students in studying and working together on assignments. Another trend is the extension of services into the realm of virtual areas. While it is obvious that students tend to use libraries as meeting places in physical means, the virtual study places are not used as heavily by students as expected. A questionnaire survey was designed to explore the attitudes of students towards group work and virtual meeting places in general and their experiences with virtual study environments in particular. There are functional differences between physical and virtual places in studying and different nature of meetings that happen in these contexts. We tried to describe these differences. The results show that the majority of students still prefer the traditional physical library environments for group work. While it is expected to create virtual arenas these “places” seems to remain only supplementary services and can’t replace physical areas. Although many new developments are launched library websites are still regarded as a bunch of services and not as complex study environments.

Keywords: virtual places, library, study place, Hungary, university student
The Librarian’s Equilibrium: Cycles and Epicycles, Centers and Epicenters of Information Revolution.

Vassilis Galanos, University of Copenhagen, Denmark

The term “Information Revolution” is widely used in a broad range of scientific and parascientific studies and no unified definition has ever been established. At the same moment Library and Information Science questions its very existential position in relation to the fields of Humanities. Does it generally import elements from these fields or does it agreeably export elements towards them? Which is the center and which the periphery? Is the cyclical scheme operative for this question? This paper (1) aims at a better understanding of the term “Information Revolution” under the theoretical light of Thomas Kuhn, Luciano Floridi and Vilém Flusser, and, through that, (2) proposes a dialectic relation between the field of LIS and the fields of Humanities expressed by a Pascalian/Borgesian spherical model. A relation of the Information Revolution to the contemporary Social Revolutions is also analyzed for adding a more pragmatic essence to the theoretical investigations of this paper.

Keywords: Information Revolution, Scientific Revolutions, Social Revolutions, Philosophy of Information, Dialectics
Biskopsgårdens public library as a multicultural meeting place - Development after the ESME-project

Hrafnhildur Hardardottir & Malin Emanuelsson, University of Borås, Sweden

The purpose of this paper is to examine how libraries are working with multilingual speakers in their area and how they can develop library services with help from the locals. We focus on how Biskopsgårdens public library in Gothenburg, Sweden, has worked as a multicultural meeting place after their participation in the ESME project. The ESME-project “Libraries for all” was an EU project that ran from 2009 to 2011 with the goal to develop a multicultural library service. We conducted one semi-structured interview and performed an observation at the library. The main results we found was that the library became more open minded and cooperative with the locals in Biskopsgården after their participation in the ESME-project. Our conclusions are that a project such as ESME surely can work but to gain the long-lasting effect on society you have to keep on the good work and develop your operation.

**Keywords:** Public libraries, multilingual, ESME-project.
Information Access to Villagers through Connecting Different Sectors: infoNetwork Centre Model

Naresh Kumar, University of Parma, Italy

Everyone needs information and it’s a human right to access information, especially economic information in different forms as desired, within one's surroundings as quickly as possible. Along with food, shelter and clothes we need information to move and grow in everyday life. Most of Indian villages are not well connected so villagers are deprived of information access. The main objective of this paper is to physically and technically connect the different sectors (health, education, banking, government, employment agencies, agriculture sector, religion, non-governmental organisations etc.) of society to villagers by drafting infoNetwork centre model for villages. In India many sectors like health, education, and employment are operated by both government and private organisations. Qualitative approach is used to apply observation and interview methods. As these methods extracts the present situation of villager’s information needs and networking ideas. Based on the literature review (existing village knowledge/resource centres in India), applying observation method during visit to pilot study village, and taking interviews of villager’s; a model of “infoNetwork centre” for villages is drafted. The document also presents analyses of observations made in villages and interviews taken of villagers to help understanding needs and possibility of connecting different sectors of society to villages through these centres. Through the model- structure, uses, main issues, information dissemination method by the centre, and expected outcomes are highlighted. The setting up of infoNetwork centre along with required infrastructure and functioning gives it an edge. At last, this paper concludes its urgent implementation to the need of villages to answer people’s enquiries.

**Keywords:** Information Access, infoNetwork centre, village knowledge centre, rural development, India
Online community of readers = e-reading?

Brigitta Jávorka, University of Pécs, Hungary

In Hungary the e-book culture is now evolving. The publishers are creating a large number of new e-books, and the libraries are speaking about how they can serve e-books to the readers, because there is no law about that at the moment. Up till now the readers could obtain new Hungarian e-books most of the time illegally. For this reason there are a large group of online communities that are dealing with e-book exchanging.

In my presentation I will try to give answers to the following questions:

1. Where can we find such communities on the internet?
2. How are these communities working? What behavioral patterns describe the members of the community?
3. What is the attitude of the classical online communities of readers towards the e-books and e-reading?

I will also show the community of the biggest Hungarian social website for booklovers, named Moly.hu.

**Keywords:** e-book, web2.0, Hungary, online communities
Social Media, Cloud Computing and Mobile Services
Dismantling urban history. Cultural heritage through new media technologies in public spaces

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University of Applied Sciences, Amsterdam

Information and communications technologies (ICT) can be very important to provide access to urban cultural heritage collections. Urban archives contain a lot of (historical) information about people, places, events, objects, trade and artefacts. Its worthwhile to make this information accessible for a bigger public. The core challenge nowadays is to explore the role and meaning of ICT in disseminating this historical knowledge in public spaces. In this paper, we will research the theoretical background of the information value chain in archival science and of the use and context of new media technologies in public spaces. Our research method was a combination of desk research and a case study, in which new interactive media technologies were used to reconstruct historical images of Amsterdam in public spaces. The case study blended digital historical content with physical interactions to provide a user experience of urban history by using innovative storytelling techniques. The resulting prototype made it possible to disseminate historical information from Amsterdam urban archives.

Keywords: public spaces, urban history, cultural heritage, new media technology, digital archiving.
Social media and Memes: A study of spoilers

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Human culture not only includes songs and stories, but also habits, skills, technologies, scientific theories, bogus medical treatments, financial systems, and organizations. All these bits of human culture tend to be imitated and adapted. As such they are what Dawkins referred to as memes, that is, “a unit of imitation.” Richard Dawkins coined the term in 1976, in his best-selling book 'The Selfish Gene'. There he described the basic principle of Darwinian evolution in terms of three general processes. The wide adoption of social media has increased the competition among ideas for our finite attention. Agents share messages on a social network but can only pay attention to a portion of the information they receive. In the emerging dynamics of information diffusion, a few memes go viral while most do not. Among them we can find lots of so called spoilers. Important part of a good story is the ending, and we may go through great lengths just to avoid overhearing the ending of a movie we haven’t seen or a book we haven’t read. When we unfortunately do overhear the end, we feel that our experience is now spoiled. After all that’s why they call them “spoilers”. This work will be based on the study of different platforms and social media in which the memes appear and their usage use in the spoilers.

Keywords: social media, memes, spoilers
Catalan netlabels and music discovery in catalan public libraries

Jordi Corvillo Martínez, Biblioteca Josep Janés I Olívé, Spain

Netlabels are Internet music labels that release music under open licenses, usually on a compressed audio format with a minimum bitrate of 128 kbps and under non-commercial rules. On this paper a quantitative analysis of Catalan netlabels scene is described as there are some ideas for dissemination of netlabels music information using Web 2.0 services like RSS, Twitter and blogging. In spite of some unavailable data, a survey consisting in online data collecting and questionary sending has been conducted to achieve outcomes that show an average profile of an active group of netlabels releasing works mostly on the electronic and experimental side of genres, releasing digital music freely downloadable as MP3 320 kbps files with Creative Commons BY-NC-ND licenses and prominent presence on social networks like Twitter and Facebook and audio platforms like Internet Archive, Bandcamp or Soundcloud. As a conclusion, a quite illustrative picture of the catalan scene of Creative Commons music publishers arise while the necessity of further research is realized, and some examples of work about it, like collaboration between netlabels and public libraries as a not only curatorial but also sustainable practice and an online music discovery tool called Observatori de netlabels catalans, are introduced.

Keywords: Music discovery, Creative Commons, Netlabels, Music publishing, Public library, Web 2.0
Cloud Computing for Libraries

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Ayse Korkmaz, Hacettepe University Department of Information Management, Turkey.

Cloud computing is a computing platform that allows access over internet by using desktop computers, laptops, tablet PCs and smart phones without any software and storage unit. Mobile devices are provided to access information at anytime from anywhere. Mobile cloud computing is adaptation of the structure of cloud within a mobile environment. Many organizations use this technology and save time and money, such as libraries. Libraries have been adopting their reference services to the new technology and library functions have been moving to the cloud. This paper defines cloud computing, mobile cloud computing, presents the opportunities and challenges, in addition these shows the usage status of cloud computing using the references of librarians in university libraries from Ankara, Turkey.

Keywords: cloud computing, mobile cloud computing, libraries.
Cloud Computing Applications and Information Services: Reflections from Turkey

Özgür Külcü & Ömer Dalkıran, Hacettepe University, Department of Information Management, Turkey

Nowadays library and information profession is facing increasing pressures to achieve higher performance in a fast paced and competitive global environment. Today services provided by libraries are based on the newest, cutting edge technology and professional organizations have a major role to play in this developmental process. Recent developments in digital technology, wireless communication, knowledge management, outsourcing and the like are affecting the knowledge and skills of information professionals to do their job effectively on a daily or long-term basis. In that context, information professionals focus on studies such as digitization of print materials, metadata standards, property rights, preservation, the development of network infrastructure, storage solutions, cloud information management, multi-media technologies, automation and standardization, institutional repositories, development of cooperation frameworks, e-publishing and web content management. As part of these developments, information systems and applications are increasingly driven by cloud computing opportunities. In this framework, our study is focus on current cloud computing implementations in general and in information disciplines. In addition this study represents the potential benefits and risks of cloud applications with the example of international and locally in Turkey. In general cloud computing is directly related to the information systems because it is based on processing of information, management of system, and repository of information. Moreover future trends of Information systems are seen in cloud applications may create new dimensions to information disciplines. Furthermore cloud applications may not directly relate with information systems is also part of this study because of the nature of cloud applications.

Keywords: Cloud computing, information management, Turkey.
Making your information automatic

Vicent Gil Esteve & Albert Rubio Velasco, Universitat de Barcelona, Spain

The social network phenomenon has led to a new generation of Internet users with a slew of new habits and customs in the realm of information usage. Web users want to consult a variety of information sources at high speeds in a world of constant change. In this paper we review the various tools, platforms, and schemes that allow us to be more efficient in describing, using, and sharing information. We will talk about the standard of the 3 Rs: reduce, reuse, recycle, and how it applies to information management. Efficiency is reached with automation, which is possible through two methods: importing (using information from many sources in a single place) or exporting (content is entered only once, and is published or shared at many platforms automatically). We will see how metadata can be reused by some tools automatically, or how some tools like “IFTTT” (If This Then That) can help us with “non-librarian-described” documents and formats.

Keywords: information re-use, information recycle, information automation, metadata re-use
Users, Customers and Prosumers
Do you reside or do you visit? - Towards a new understanding of the users behavior regarding e-books

Nikoline D. Lauridsen, Anja G. Nielsen & Hazel Engelsmann, University of Copenhagen, Denmark

This research explores the theory of Visitors and Residents (V&R) in the specific context of e-books. It is examined whether this behavioural framework can explain the digital behaviour of users at the academic library CULIS Samf interaction with e-books. The research design builds on a literature review, analysis of qualitative interviews and the characteristics of V&R behaviour. The analysis shows that the framework can be applied to the users digital behaviour and to some extent explain it.

Keywords: Visitors & Residents, e-books, digital user behaviour, academic libraries
Patron-Driven Acquisitions (PDA) of e-books: New life for the library catalog?

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Yin Zhang, Kent State University, USA

This paper highlights an overview of the conceptual approach to e-resource discoverability in academic libraries with a focus on research on the assessment of library catalog performance in the Patron-Driven Acquisitions (PDA) model for e-book collection development. Although the published literature stresses the key role of the library catalog in the PDA model for e-book acquisitions, the findings in this paper show that, until now, there has been a lack of research on users’ e-resources searching behavior and PDA. As a conclusion, the authors think that in such a large universe of digital information on the Web, a new branded local catalog could be the way to visualize a more “tangible” experience between users and e-book collections.

Keywords: Patron-Driven Acquisitions (PDA), e-books, library catalogs
Differences between Web 2.0 tools in the catalogs of national and public libraries

Ileana Kurtović & Sonja Špiranec, University of Zagreb, Croatia

This paper analyzes the way in which libraries are using Web 2.0 tools within catalogs and for what purpose. Traditional functions of library catalogs are changing by supplementing the predominate search/find function with features that enable communication among users. By using Web 2.0 elements the catalog becomes a place of interaction that allows users to submit their own content. The paper introduction of new elements in library catalog enables the sustainability of the system and library as a whole.

The main question that guide our research are: Do public libraries use Web 2.0 tools more than national libraries? Are there differences in the kind of tools with regard to the type of library? What is the basic purpose of the tools used in library catalog? Paper explores the connection between the guidelines for national and public libraries with regard to the use of Web 2.0 tools in their catalogs. The study includes data from 28 countries of European Union, one national library in each country and one public library. Hypothesis is that public libraries use more Web 2.0 tools than the national libraries. It stems from the fact that there is a necessity of the public libraries for greater user flexibility than is the case with the national libraries.

Keywords: Library 2.0, national library, public library, catalog 2.0, web 2.0
Agricultural Management Tools: Is there information equity between agribusiness and the small scale farms?

Reid Boehm & Suzie Allard, The University of Tennese, USA

Agriculture is an essential part of a nation’s economy. It supplies food for people, fodder for animals, and provides a livelihood for a significant portion of the population. Agricultural information management is important because it means that we can plan and prepare for changes in our food supply and our economy, we can troubleshoot problems and assess past issues. This paper is an exploratory analysis of the literature surrounding tools and services that are available to support agricultural information management. In particular, it begins to discuss why we need to assess in detail the differences between the data services for agribusiness versus those for small-scale farms.

Keywords: agricultural information, data tools and services, agricultural production lifecycle, sense-making

Agnė Bankauskaitė, Fausta Brasaitė & Monika Parėdnytė, Vilnius University, Lithuania.

Accessibility of information and reducing social exclusion of visual impaired people is a global problem nowadays. Digital libraries and information systems including global initiatives like TIGAR are the priority today to diminish the information gap experienced by visually impaired users. Lithuanian Library for the Blind is a unique institution serving visually impaired people in Lithuania developing and implementing ELVIS – Electronic Publications Management Information System. The main purpose of ELVIS is to centralize, organize, process, analyse, display, and provide audio books, audio magazines, and books in DAISY (Digital Accessible Information System) format, texts in print, and other electronic publications. The main tasks of the paper are to reflect on the experience of developing ELVIS system for the blind and visually impaired users and to reveal its advantages and ways for further improvement based on the findings of the research of information needs of ELVIS users.

Keywords: visually impaired people, electronic publications, ELVIS system, Lithuanian Library for the Blind.
Comparison of Digital Archives from the Point of Sustainability

Sümayye Akça & Zehra Taşkı̇n, Hacettepe University, Turkey
Monika Berać, University of Zagreb, Croatia

Digital repositories applications have been proliferated recently throughout the world as a result of open access policies. In order to gain more efficient these attempts, it is really important to meet requirements for creating well-designed archives. One of the most significant requirements of digital repositories is sustainability. The main aim of this study is to assess three selected digital archives which are e-prints in library & information Science (E-LIS), Digital Archive of Hacettepe University Department of Information Management (PDAHU) and Faculty of Humanities and Social Sciences Institutional Repository of University of Zagreb (DARHIV) in terms of sustainability by using the framework of Research Libraries Group (Research Libraries Group, 2002). We analyzed these three digital libraries under the six titles which are important issues for persistence of institutional repositories. Findings reveal that E-LIS is well structured digital repository rather than PDAHU and DARHIV. At the same time, all of these three digital repositories should increase their deposit activities in order to gain more efficiency on sustainability.

Keywords: Digital libraries, sustainability, open access, E-LIS, Faculty of Humanities and Social Sciences Institutional Repository of University of Zagreb, Digital Archive of Hacettepe University Department of Information Management.
Evaluation of university libraries in the Republic of Ecuador (pecha-kucha)

Lilian Susana Molina Benavides, University of Barcelona, Spain

This paper deals with the study and analysis of the evaluation of the university library in Ecuador. Today, there have been four institutional assessments, including libraries, conducted by the CEAACES (Agency of assessment, accreditation and assurance of higher education) and SENESCYT (Ministry of Higher Education, Science, Technology), responsible for the coordination and implementation of the process of assessing the Ecuadorian System of Higher Education institutions. The starting point to address this research were the results of evaluations conducted at institutions of higher education. These assessments included libraries, as a service provider for the implementation of the teaching, learning and research. For the literature, has been used Ecuadorian local papers, of United States, Latin American and Spain, on the subject, with emphasis on the Spanish experience with assessments by ANECA (National Agency for Quality Assessment and Accreditation) describing institutions of higher education in Spain. These results are of great importance to know the trends and status of the issue. Consequently, it is conducting a field work by surveying all university libraries online in Ecuador, in order to know the current situation in which they find themselves. With the results of these surveys will produce a comparative study of Ecuadorian university libraries and will help in the realization of the proposal of a model of assessment librarian for the Ecuadorian state.

Keywords: Evaluation, University libraries, Accreditation
Educating Automotive Designers to Incorporate Sustainability in Their Designs (pecha-kucha)

Beth Walker, College for Creative Studies, USA

This Pecha-Kucha will present an overview of the College for Creative Studies’ Color & Materials Library and its ongoing efforts to educate transportation design majors in the promotion, understanding, and uses of sustainable materials in automotive vehicle and other forms of transportation designs. Located in Detroit, Michigan, home to the “big three” of the automotive industry, (General Motors, Ford Motor Company and Chrysler Corporation), CCS is a private institution that offers world-class instruction in automotive vehicles, and is one of the few institutions in the world to grant both BFA and MFA degrees in transportation design. The urban proximity lends itself to a shared interest for research and knowledge, resulting in a long history of excellence and innovation that continues to this day.

Recently, the automotive has re-invented itself in order to respond to consumer demands, and now has a focus on using sustainable materials in design and manufacturing. Thus, CCS is well poised to encourage and promote the use of sustainable materials in its students’ designs. This presentation will outline the collaborative work of the College and industry in these efforts, and present CCS librarians’ specific strategies for using these resources in the pursuit of responsible design.

Research questions: How can librarians educate students to choose sustainable materials in their designs, and encourage a climate of thinking that lends itself to responsible design? How can librarians promote use of sustainable materials in the execution of design? How can responsible design lead to the increased manufacture of sustainable products?

Keywords: automotive design, sustainability, responsible design
WORKSHOPS
“Big data visualization: a double-edged sword?” – the power and weakness of data visualization

Adeline Van Elslande, Institut Supérieur de Commerce International de Dunkerque, France
Anna Grünewald, Stuttgart Media University, Germany
Chuya Duan, Communication University of China, China
Christina Beckering & Lisanne Lenten, Hanzehogeschool University of Applied Sciences, Netherlands

Nowadays it becomes difficult for people to read and analyze information in this big data era. Especially the visualization of this data gets more important. Visualization of data is needed to reveal relations, connections and interferences within data and thereby improve the graphic communication of complex data sets. In our workshop we will talk about the requirements and prospects of information visualization and the design process when it comes to open and big data. We are looking at the subject from different angles of technology, design and psychology requirements.
We will give a short introduction referring to information visualization and then will look at the requirements that determine the success and usefulness of information visualization by showing some typical examples. We will analyze and discuss with the participants about our scientific findings and their experiences regarding different elements and media types of information visualization as well as their perception.

Keywords: open data, big data, information visualization, data mining, generative design, design principles, manipulation
Teaching Media Literacy

Ellen Kiel, Eveline Blasius & Esther Hammelburg, Hogeschool van Amsterdam, Netherlands

Teaching media literacy is a highly interactive workshop in which the practice of media literacy education is shown by third year students of The School of Design and Communication, Hogeschool van Amsterdam.

In the past years it became clear that the library as an expert center concerning literacy should play a key role in improving media competences of schoolchildren, students and other citizens. This is a real challenge for libraries since information professionals are sometimes lacking in media competences themselves and not always skilled in teaching. This workshop will exemplify how media literacy can be taught by letting you be the participant in a media literacy workshop.

Keywords: Media literacy, teaching, education, competences
“Open Sciences in Public Libraries: Let (Digital) Humanities Come In!” Workshop

Mathilde Dumaine, Cécile Etesse & Eva Legras, Enssib, France
Anita Singa-Saragba, Exchange program Enssib/GSLIS, France/USA

The IFLA’s Statement on Libraries and Sustainable Development advocated that “library and information services promote sustainable development by ensuring freedom of access to information”, and that “library and information professionals acknowledge the importance of education in various forms for all” (IFLA, 2002).

We would like to explore this political aspect of sustainable development, specifically regarding the difficulties to spread academic knowledge among non-specialists, although many seem keen on learning more, especially on humanities. We feel that it is a crucial issue for public libraries whose main purpose is to provide access to information to all.

Therefore, we propose a workshop to think this problem over and consider how libraries can partake in the diffusion of digital humanities resources to the best of their abilities and raise awareness of the multiplicity of riches at hand.

Keywords: Sustainable Development, Public Libraries, Digital Humanities, Diffusion, Research.
Is online privacy sustainable in the future?

Tsang Yuk Ki, Samuel Dorresteijn, Alex Smit, Edine van den Berg, Anna Noguera Rocadembosch, Hanze University Of Applied Sciences, Groningen

In the present time, the amount and accessible possibilities to big/open data are increasing rapidly and the privacy laws cannot protect us effectively anymore. This is an important issue that people should be more aware of.

The workshop will inform the participants about the future of online privacy, the present situation and trends that could predict the future. The attitude of people towards the online privacy issues will be explained in the workshop. Also there will be discussions held about the significance of online privacy.

Keywords: Privacy, Open Data, Big Data, Sustainability, Attitudes towards privacy, Online Privacy, The future of privacy (privacy 2.0)
Outcome evaluation in libraries: approaches and methods

Frank Huysmans & Ellen Kleijnen, University of Amsterdam, Netherlands

Both in their day-to-day operation and in special activities, libraries hope to bring about positive individual and social effects, like enhancing reading skills, information literacy, ICT skills, etc. Increasingly, funders ask for evidence that they indeed achieve these results. The workshop aims to bring together researchers and students working on or interested in the empirical evaluation of outcomes of libraries’ special programs targeted at (groups of) patrons, to discuss approaches and (qualitative and quantitative) methods in library outcome evaluation. Both standardized (e.g., the ISO standards) and non-formalized approaches and methods will be discussed.

Keywords: Outcome assessment, empirical evaluation, library performance
Workshop: Creating even bigger data with the internet of things

Camille Mathieu, Institut Supérieur de Commerce International de Dunkerque, France
Jeongmin Jeong, Yeungnam University, South-Korea

A new era of technology is arriving. An era in which technology is touching every corner of our lives, an era in which all things (objects, people and even animals) are linked together via internet. This upcoming phenomenon is called ‘The Internet of Things’.
These new ways of using technology to improve our lives, to link things together, deliver a huge amount of new data, piling up the already existing ‘Big Data’. Connecting all these huge data-sets, gives the possibility to predict the future and to get an overview of one’s personal information.
What is the influence of these huge data gatherings on our lives? How are we going to be affected by the internet of things and the constantly growing amount of big data?

Keywords: The internet of things, big data, innovation.
Become a library advocate with NPSIG! – IFLA NPSIG training session on library advocacy

Sebastian Wilke, Molly Schwartz, Bridgette Hendrix & Elina Sniedze, IFLA New Professionals Special Interest Group, Germany

This session will focus on providing tools and sharing expertise for library advocacy to library and information students and new graduates. We will go beyond a discussion of the benefits of advocating for the value of libraries and information services and actually give workshop participants concrete examples of how to advocate for libraries, followed by an interactive training session in which participants will have the opportunity to practice what they learned on each other. Each participant will come away with a three-minute summary that accurately captures the value of libraries, how his/her work within the library field contributes to its value, and is meaningful to people outside the library field, especially lawmakers, stakeholders, and other funding sources. In addition, we will discuss social media and other tools for more widespread communication and advocacy work.

Keywords: new professionals, library advocacy, early career development
A legal way to share the Future

Ulrich Paul Trusch, Hochschule Furtwangen University, Germany
Grietje Kroodsma, Esther Johannes, Jurjen Bulder & Jasper Everhardt, Hanze University of Applied Sciences, The Netherlands
Matthew Chan, Lingnan University, Hongkong

Nowadays sharing is hot. In the past, people were used to share their stories, ideas and favourite music on the street. With the introduction of the internet, WEB 2.0, the social web, the way people are sharing changed. When we buy a book, we share our opinion about that book on Facebook. We also share a lot of information about cars, emotions, favourite songs, books, files and we even share our own friends. People are getting more used to share their lives on the internet. The current copyright laws are not fit for this new way of sharing. Therefore we will present other options for legal sharing to the participants. Time for new ways of sharing!

Keywords: Open data, sharing-economy, copyright, social-sharing, copyright-trends
Workshop ‘Opening data at municipality The Hague’

Klaas Jan Mollema & Marjolijn de Jager, The Hague University, The Netherlands

‘Open Data’ is hot! After the announcement of Barak Obama and Tim Berners-Lee to publish internal organizational datasets on the web using strictly defined open standards (XML, RDF, SKOS, Dublin Core), organizations and (local) governments all over the world opened their datasets. Linked open data is a huge potential information source for science and citizens. Therefore students of the bachelor program worked for 10 weeks together with officials of the municipality of The Hague on apps for their data. This process was not that easy: officials had lots of objections against opening up their data and developing apps on it.

In this workshop we will see what the outcome was and practice to overcome the objections.

Keywords: communicative process; open data; apps
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PhD student at the University of Zadar Croatia. Collaborator with International Master in Digital Library Learning at University of Parm, Italy

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Creative repositories for children
Lili Shakhshi, University of Oslo, Norway
ROUND TABLE
Libraries of Catalonia, towards the sustainability of the knowledge society: outlining a continuous system to support all stages of the RDI.

**Carme Fenoll**, Head of Library Services of the Catalan Government. **Pep Torn**, Director of Academic and Library Services at Universitat Oberta de Catalunya.

Libraries give (and must give) to their users support to learning, research and creation. From childhood, when public and school libraries promote reading, rouse the creative spirit and provide the required collections to develop school learnings, until higher education or vocational training. In all the stages, students are working and developing their informational skills. After, academic libraries are giving support to research, development and innovation activities, even when graduates have finished their degrees.

Libraries contribute to consolidate the knowledge society, but their sustainability is a vital question. If not, if the knowledge society does not feed back itself, libraries have no sense. In a crisis where intellectual capital is flighting out, stopping or cutting back these support services will cause the failure of the system: libraries system will not be able to feed neither support new generations of researchers, entrepreneurs, creators. The case of Catalan libraries and how they are working sustainability issues to confront crisis is representative and easily extrapolable to other environments.
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