

# International Implementation of Digital Library Software/Platforms

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# Abstract

- An overview of adoption and implementation of digital library software/platforms and standards with an international perspective.
- Decision factors in adoption of particular software/platform and standards will be reviewed.
- Impact of organizational, social, legal, and cultural factors will be highlighted.



# Introduction

Factors that influence and inform the decision-making process are grouped into the following categories:

- Organizational
- Individual
- Technical

# Organizational factors

- Culture:
  - Organizational culture
  - National culture (Hofstede, 1983; Hofstede & Bond, 1988)
    - Individualism vs Collectivism
    - Power Distance
    - Uncertainty Avoidance
    - Masculinity
    - Long term orientation
- Program's relationships with surrounding academic units and external partners,
- Management style and work structure,
- Focus and direction of a program,

Hofstede, G. (1983). National Cultures in Four Dimensions. *International Studies of Management and Organization*, 13(1), 46-74.

Hostede, G. & Bond, M. H. (1988). The Confucius connection: From cultural roots to economic growth. *Organization Dynamics*, 16(4), 4-21.



## Organization factors (continued)

- Formalization (e.g., flexibility in hierarchal order),
- Functional differentiation in a program,
- Size and age of a program,
- Administrative attitude toward change,
- Financial resources,
- Technology readiness (e.g., expertise, technology infrastructure), and
- Program's expectations (e.g., user needs).



# Individual factors

- Members' connectedness with their colleagues,
- Skill-set (e.g., competence),
- Participation in DL communities of practice,
- Perception of organizational culture and goals,
- Openness to new ideas.



# Technical factors

- Technology-specific factors
  - Scalability
  - Interoperability
  - Modularity...



# Dr. EunKyung Chung

- Assistant professor in the Department of Library and Information Science at the Ewha Womans University in Seoul, Korea.
- Research areas include Digital Libraries, Text Classification, Information Retrieval and Web Search, Tagging Systems and Automatic Metadata Generation.
- Her research articles in several interest areas have been published in the ASIST proceedings, Information Research (forthcoming), Lecture Notes in Computer Science, Journal of the Korean Society for Library and Information Science, and Journal of the Korean Society for Information Management.





# Dr. EunKyung Chung

- To understand digital library research in Korea,
  - Review and analyze digital library research practices
  - Compare them to mainstream research

# Dr. Yasar Tonta

- The founding director of Turkish Academic Network and Information Center (1996-1998); Chair, Information Management Committee (IMC) of NATO's Research & Technology Organization (1999-2001); Director of Lecture Series on Electronic Information Management (2002-2004); Chair, Symposium on Information Management in the Changing World (24-26 October 2007, Ankara, Turkey);
- Guest co-editor (with Gail Hodges), special issue of Information Services & Use (vol. 25, no 1, 2005) on electronic information management; Editor, Türk Kütüphaneciligi (1995-1996), and Bilgi Dünyasi (2000);
- Received his graduate degrees from UC Berkeley (Ph.D.), University of Wales (M.Lib.), and Hacettepe University (M.A.);
- Published in professional journals (e.g., JASIS&T, Scientometrics, and LISR); Member of several organizations including ASIS&T.



## Dr. Yasar Tonta

- Brief overview of digital library initiatives in Turkey including digital library software packages and platforms in use in Turkish university libraries.
- Discuss the issues and problems of implementation that need to be tackled in order for them to be fully integrated in the European and international digital library scene.



# Ms. Ina Smith

- Digital librarian at the University of Stellenbosch, Western Cape, South Africa.
- For the past five years, she worked as E-Application Specialist and Repository Manager at the University of Pretoria, another leading research university in South Africa.
- She holds a Master's Degree in Computer-Integrated Education, as well as an Honors Degree in Library and Information Science.
- Her research interests include:
  - Information and Knowledge Management,
  - Institutional Repositories and Open Access,
  - Digital Archiving and Preservation,
  - Federated Search Engines



# Ms. Ina Smith

- Reflect on the current state of institutional repositories and open access in South Africa and Africa, and share some example projects.
- Plans and various approaches to make African research more accessible to researchers world-wide, how we plan to change this will be shared, including collaboration on international level to increase access to research output in African countries.
- The needs of the academic research community, tools to address those needs, what we do to equip the researchers with the necessary skills to adapt within this digital environment, and the outcomes of the use of these tools and whether research was enhanced/ not enhanced by the use of these tools.
- Review the impact of organizational, social, legal, and cultural factors in the African research environment, and how the environment impacts our technology adoption decisions.



# Ms. Krystyna Matusiak

- Digital Collections Librarian at the University of Wisconsin-Milwaukee Libraries.
- Designed and managed digital collections since the initiation of the digitization program at UWM Libraries in the fall of 2001.
- She has also worked as a digitization consultant assisting digital library projects at the Press Institute of Mongolia in Ulan Baatar, Mongolia and the Al-Aqsa Mosque Library in East Jerusalem.
- Currently working on a Ph.D. in information design and organization.
- Her research interests include development and evaluation of digital libraries, information design, usability, and digital literacy.
- She has presented her research at national conferences and published in professional journals, including Journal of Academic Librarianship, OCLC Systems & Services, and Serials Librarian.



## Ms. Krystyna K. Matusiak

- Overview of the newspaper digitization project at the Press Institute of Mongolia, a non-profit organization located in Ulan Baatar, Mongolia.
- Address the challenges of creating international digital libraries:
  - Language support,
  - Selection of the software that support non-Latin characters,
  - Adherence to digital library standards,
  - Implementation of Greenstone as a digital library platform,
  - Collection sustainability.

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Presentation slides are/will be available  
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