METS Workshop Proposal for DL 2014

Joint ACM/IEEE Joint Conference on Digital Libraries (JCDL) & Theory and Practice of Digital Libraries (TPDL), 8 – 12 September 2014, London UK

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Title: METS Now, and Then… Discussions of Current and Future Data Models

Description:
The Metadata Encoding and Transmission Standard (METS) 1.x schema has an established community of users including academic and national libraries, archives, and museums as well as support from a number of commercial and open source tool and commercial service vendors. Many in the METS community are moving toward the use of newer technologies such as those of the Semantic Web and linked data for the digital content that they have been collecting. In order to accommodate the interests of the METS community, the METS Editorial Board has been designing a data model for a new, METS schema that will facilitate these kinds of technologies. In addition, closely aligned metadata schema, such as PREMIS and MODS, have continued to evolve, and a strong focus of the next generation METS (2.0) model will be to maintain alignment and interoperability with the latest version of these schema. In this workshop, participants will first learn of recent changes to the METS 1.x schema versions such as the use of the XML *any* attribute. Secondly, they will develop an understanding of the data models underlying some canonical uses of the existing METS schema as a contextual basis for the description of a next generation METS (2.0) data model. Finally, they will be invited to participate in the discussions, and the refinement of a METS 2.0 data model.

Objectives:
The objectives for this workshop are threefold:

- Provide highlights of recent changes to the METS 1.x scheme including discussion of new registered METS profiles, and METS tools to both new and existing METS community members
- Abstract and discuss data models from key METS 1.x users, and from other users of other aggregation formats
- Present and discuss the METS Editorial Board's current thinking about a METS 2.0 data model designed to be compatible with Semantic web and other technologies, and solicit community feedback.

Topical Outline:
1. Brief history (including significant changes to the METS 1.x schema)
2. Data models derived from key & canonical METS 1.x schema profiles
3. Data model abstracted from new IEEE standard for aggregation formats (P1484.13.1.-2012 - RAMLET) based on ATOM, METS, MPEG-DID, IMS-CP, and OAI-ORE
4. Panel presentations on METS data models used by commercial vendors, and key institutional users (e.g., ccs:docWorks, Ex Libris, International Image Interoperability Framework, various academic and national libraries)
5. Presentation on draft METS 2.0 data model
6. Panel and audience feedback / discussion of METS 2.0 data model

Expected Audience: (Who & how many)
We anticipate that both existing and potential METS users will attend this session as well as users of other, related aggregation formats, frameworks and commercial vendors that may need or want to receive, transform or export METS content and metadata. We would expect between 50 – 75 people to attend this session.

Duration: Full day

Workshop Format:
Presentations, Panel presentation / discussion, and Audience feedback / participation

Audience Solicitation Plans:
Notices will be sent out to appropriate listservs and blogs (for aggregation formats, content encoding schemes such as EAD, DDI, ALTO, general and specialized metadata such as PREMIS, libraries, archives, museums, and digital preservation communities), and invitations to commercial vendors using METS and other aggregation formats, METS tool builders, and software vendors using or accommodating METS. METS Board members will also utilize their professional networks, such as Twitter and LinkedIn, to advertise the session.

Organizer Contact Information:
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Nancy J. Hoebelheinrich is a digital library consultant specializing in Metadata and Content Management for geospatial and cultural heritage resources. She worked as metadata coordinator for Stanford University Libraries for 10 years, focusing upon digitization, preservation and retrieval of cultural heritage resources, government documents, geospatial, and teaching and learning resources. After receiving an advanced career certificate in GIS from Foothill College in Los Altos, CA in 2010, Nancy worked part-time as a GIS analyst for San Francisco Estuary Institute in Oakland, CA. In addition, Nancy is a principal for Knowledge Motifs LLC, a small metadata consulting company (www.kmotifs.com) whose recent clients have included the California Digital Library, the Library of Congress, Stanford University Libraries, ITHAKA, and the Foundation for Earth Science. Nancy has been active in a number of information and educational technology specification efforts including that of the ESIP Federation's Data Stewardship Committee and Semantic Web Cluster, PREMIS (for preservation metadata), IMS Global specifications related to packaging, repository and resource list interoperability, digital rights expression and management, and the IEEE Learning Technology Standards Committee's RAMLET project. She has been a member of the METS Editorial Board since 2003, and served as the Administrative Co-Chair from 2005 – 2011.

Richard Gartner
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Richard Gartner is a lecturer who has specialised in the field of digital libraries and electronic information provision for over 20 years. Before joining academia, he was the New Media Librarian for Oxford University

Libraries, where he was responsible for the introduction of the Internet into the Bodleian Library, the Library's first CD-ROM network and its first digital imaging projects. In recent years, he has specialised in metadata for digital libraries, in which he has published widely. He has contributed to a number of major metadata standards, including METS (Metadata Encoding and Transmission Standard) scheme for digital library metadata. He has maintained a long-term interest in international librarianship, which has taken him in the past to China, Bangladesh, India, Taiwan, Uzbekistan and Armenia amongst other countries.

Thomas G. Habing
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Thomas Habing is a digital library software developer with nearly 25 years of professional experience. He has spent the past 17 years at the Library of the University of Illinois at Urbana-Champaign where he has contributed to numerous high profile digital library projects. He currently leads the UIUC Library's Software Development Group, a team of software developers and digital library specialists engaged in various internal and grant-funded research and development projects. He is currently the technical co-chair of the METS Editorial Board.

Markus Enders
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Markus Enders is working as a "Technical Architect" at the British Library and has contributed to several METS and PREMIS based digital library projects developing METS profiles for eJournal and newspaper preservation. Before he joined the British Library, he was the Technical Head of the Digitization Centre at the Goettingen State and University Library since 1999. .He developed METS and PREMIS based documents models for internal purposes as well as for international projects as "Ensuring Access to Mathematics over Time" - (with Cornell University Library). His involvement included the development of appropriate tool to create and manage METS files. He has been on the METS Editorial Board for many years.