

# Session 2 (tools)

## Symposium Chat - Session 2: Tools, Friday 3.30-5.00pm

### Proposals

- Stollar Peters
- Chan (Email)
- Laudeman
- Chan (Forensic Software)
- Mumma

Structural Metadata and the Social Limitation of Interoperability: A Sociotechnical View of XML and Digital Library Standards Development. Jerome McDonough. <http://www.balisage.net/Proceedings/vol1/html/McDonough01/BalisageVol1-McDonough01.html>

Courtney

- Formed SIP has already been subject to some appraisal, arrangement etc that means that once processed description is obvious/clear
- Problems – can't run processing if files are password-protected

Tools needed:

- No tool to pick-out password protected files, need to put them aside etc
- Identifying donor restrictions

Issue that the tools used by computer scientists / digital forensics – are not suitable for archivists

Seth

- suitability of tool for archivists to use was a key issue for archivematica
- Currently need specialists to use tools - serve as a bridge/translator between IT and archives
- Restriction in donor agreement – needs to be machine actionable, need to define restrictions, identity management (shibboleth)

Restrictions

- Access to content (credit card / social security nos etc)
- Current finding aids – text description to identify restriction groups
- Records are machine actable – restrictions should be machine readable aswell

There are not adequate tools for arrangement

Tool being developed at Havard to include tagging

Erin

- CRUD – metadata viewing
- Human readable – series of defined roles - curator, admin etc in Curators Workbench

Tom

- Hydra head – rights and authenticity functionality part of Hypatia beta
- Developers will need feedback – need to get in right

Mathew - Rights – needs to be tackled early

Mark

- Archivist toolkit – can be used by archivists – represents the hierarchy
- Hypatia mock-ups – includes representation of the accession and of the intellectual arrangement and RDF pointer not moving the actual files
- This is a complex requirement – must ensure that information is inherited, also issues re file viewers – should this be integrated or rely on a separate file viewer / tools

Peter

FTK, can apply bookmarks and labels (see Peters [blog entry](#) about using FTK)

- Labels – eg file formats, media
- Bookmarks – intellectual arrangement
- Has no meaning until exported and can then be interpreted
- Is specialist tool – password crack, high forensic use

Matthew

Three related problems:

- There are no tools
- There are some tools but not designed for archivists
- Some local tools being developed for particular institutions and context

Everybody's workflow is different – so no one solution is possible/practical

We are moving to better tools, move to better solutions if they become available

Commonality – processes aren't that different and workflows aren't that different

AIMS project - looked at commonality between four different institutions

Are some areas where we shouldn't vary from the standard (eg EAD), but EAD – not a metadata standard but a metadata suggestion (Mark)

Alison – one tool out of the box?

Matthew

-- UNC & MITH (Mellon funded proposal) – forensic workstations & CLIR Forensic Report – identified the problem of unsuitable tools – develop “Bit-Curator” tool / USB drive, write blocker, environment for disk imaging and work with cloud based services to do specific tasks – disk image at centre of the tool

- Building tool is the easy part, placing it into the community and supporting it is much harder
- Cyber infrastructure - ensure there is upgrade path for tools not just short-term / one-off development

Peter

- Muse tools – visualisation tool
- Use thesaurus of terms to create terms of sentiments eg love, happiness
- Other computer scientist looking at topic analysis

Seth - Where does our responsibility end and the researcher start? - should we create tools for researchers

Visualisation ...additional to arrangement not instead of

Different people can take different things from the same visualisation

Catherine – need a link to original order / context

Gretchen – we don't want tools to lock us into specific practices

Bradley

- Hundreds of tools / initiatives – should be building upon work not competing
- Better ways to collaborate and work together
- Need to get awareness before release – ie development phase not release phase

Chris Prom – evaluation of tools – effective for dissemination

Erin – Curators workbench – better to get something out and work on it

PTK – suite of tools sit on sleuth kit (forensic software)

- See date range of data --eg by modified date
- Also shows what you might be doing to the metadata whilst processing them eg not using write blocker