

Sustainability of Digital Preservation Services

E-Infrastructures and services for
preservation and curation

DCH-RP @ EGI CF 2014

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Memory Institutions
(charter members)

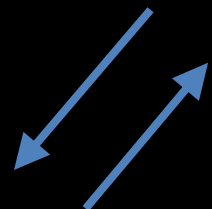
Knowledge exchange
Robust tools
Development efficiency
Agile/risk tolerance



Experience
Requirements
Testing
Data



Tools and theory



Research and Development
(affiliates, commercial)

Visibility/Adoption
Sustainability
Requirements
Testing

Robust tools
Reputation



Service Providers
(repository systems)

New communities
(tool adoption/testing)

Global benefits

- consistency
- data broker
- multiple communities
- TRUST/CONFIDENCE


Software
Stewardship

Knowledge
Exchange

Open
Planets
Foundation

Services

Advocacy
and Alliances



Software
Stewardship

- efficiency
- consistency
- consolidation
- confidence



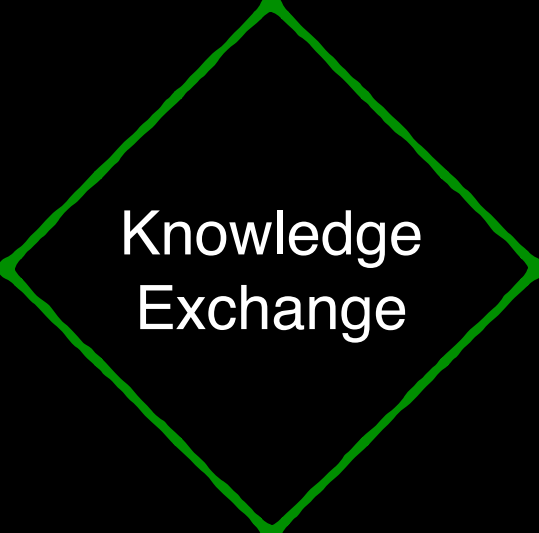
sustainability

Framework for collaborative development

- hosting + support (reporting, training)
- testing (data corpora) + code quality
- packaging (evaluation + production)

Community facilitation

- requirements gathering + shared road-mapping
- maturity (openplanets / opf-labs / opf-attic)



Knowledge Exchange

- ➔ staff development
- ➔ good to best practice
- ➔ research to production

Interest groups

- document, image, database, registry, emulation
- managerial and technical participation

Media

- face-to-face and online events (broadcast and interactive)
- case studies (blogs) + requirements (wiki)
- tool registry (COPTR)
- digital preservation Q&A



Services

- ➔ preservation watch
- ➔ technical registries
- ➔ emulation

Preservation Watch

- Prototype: SCOUT (SCAPE/Keep Solutions)

Technical Registries

- Interest group: format/technical registry requirements
- Hosted: tool registry (COPTR)

Emulation

- Pilot: Emulation-as-a-service (Freiburg)
- Pilot: Azure Cloud (Microsoft Research)



Services

➔ technical registries

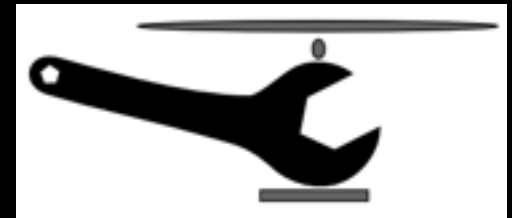
- The OPF Tool Registry: OPF wiki registry of digital preservation tools, tagging for browse, experiences of using tools
- AQuA Mashup Tool List: List of tools used during the AQuA Project mashups
- AJ Tool Registry: Andy Jackson's Delicious bookmarks of other tool lists.
- Digital Curation Centre catalogue of Tools and Services: Categorised by function and user. Detailed descriptions.
- Some Forensics Tools: Blog post from the DPC event on digital forensics, listing all tools used during the event.
- Digital Curation Exchange Tool list : A lengthy but flat list of digital curation tools
- Agogified Digital Preservation Tools and Services: Short list of well known DP community sourced tools
- LoC Supported Digital Preservation Tools: Also blog posts listing Library of Congress supported tools and initiatives
- Gary McGath's list of software for extracting file format information
- Just Solve Software
- Lots of software links and lists on various parts of the Forensics Wiki including for example File format ID
- PADI list of tools and papers about tool initiatives: Old list from defunct PADI site, archived in Pandora
- Gloucestershire Archives tool list: short list of community tools, several wrapped by their alpha workbench software
- Report from CARLI Digital Preservation Conference: tools and services including web services
- Fileformat info's tools for dealing with file formats
-(any more?!)





Services

→ technical registries



Community Owned Tools Registry (COPTR)

- Merged from existing registries
- 368 tools and technical services
- Evaluation: user experience, tool maturity (SCAPE/OPF)
- Embedded: case studies (blogs) and requirements (wiki)
- Sustainability: hosted by Open Planets Foundation





Services

➔ technical registries

One registry to rule them all?

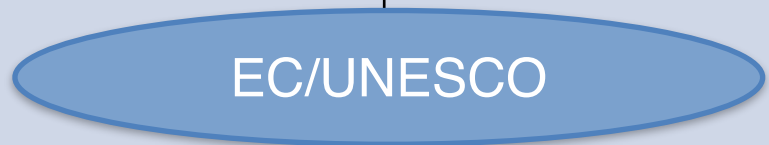
- User requirements: discovery, content
- Data: merging existing registries?
- Interface: interaction design, testing
- Sustainability: post-project hosting, maintenance?



Advocacy and Alliances

- ➔ research and development (software)
- ➔ DPC (joint events, technology watch)
- ➔ EU (consultation, project matchmaking)

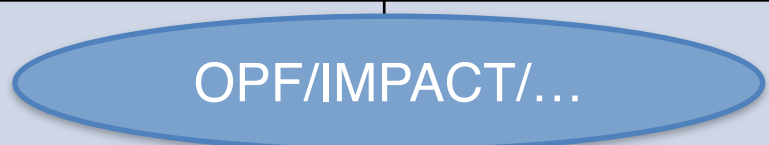
Political



Business



Technical



National

EU

International



Sustainability strategy

1. Maturity (software productization)
2. Visibility (an integrated web presence)
3. Open licensing (for software and other outputs)
4. Support (documentation, training, case studies, etc.)
5. Commercial integration (by partners and others)
6. Community building (through SCAPE, OPF, and others)

Sustainability

...is working out who pays (and, when)

- Collaboration (share effort)
- Consolidation (avoid multiplication)
- Lowering barriers (discovery, deployment)
- Consistency (of experience)



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