Assuring Future Access, from Infancy to Maturity

Bram van der Werf
Who cares about what

- Data Curation & Policies
- Ownership & Licensing
- Selection
- Access and Usage
• Preventive
  – Health Checks (TRAC, Drambora, ISO)
  – Cleaning
  – Calibrating

• Corrective
  – Repair
E-waste

data consumption

Long-Term Access =

SELECTION/OWNERSHIP/ADOPTION
+ CURATION
+ CONSERVATION SURVIVAL

ATTRIBUTES

+ ORPHANS/ABANDONED
ADOPTION/FOSTER PARENTS

+ SUGAR DADDIES

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Expected outcome from funded projects and real outcome

We expect tools and services

- Stable Software
- Reliable data sources
- Guidelines
- Best practice

We get software orphans and abandoned data

- Uncompleted Software
- Unmanaged Data
- Demo’s and Prototypes
- Reports
- Reports
- Reports

A community of stakeholders
Long term Access Challenges

• New technologies & formats
• Unsupported legacy software
• Scalability
• Growth of data
• Data quality
Long Term Access Remedy

Research and Develop

• Projects
• 5 year outlook
• Academic
  – Publication
  – citations

Learn and Respond

• Organizational process
• Apply today
• Operational

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A mature learning organization can assure Long Term Access

Projects

• Tools
• Guidelines
• Instructions
• Practices
• Best Practices

Organization

• Having the right staff
• Retention of staff
• Development of staff
• Career Paths
• Challenges & Incentives

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From infancy to Maturity in the digital domain
From Taylor to Imai and Kaizen

• From top Down Design to
  – Iterative Development
  – Involve users, makers and stakeholders
  – Training & education
  – Reward
Orphans & Maturity

Humans
- No parents
- Living in an orphanage
- Need for
  - Food
  - Care
  - Education
- Success
- Recognition
- Status

Software & data
- No owners
- Sleeping in Sourceforge
- Need for
  - Maintenance
  - Users
  - Life Cycle Development
- Success
- Recognition
- Status
Why do we orphan tools & services?

- High dependency on temporary funding
- Unrealistic functionality, too ambitious
- Hard to deploy
- No plan for life cycle
- No business plan
The challenge of orphaned tools and services

- No owners
- No support and maintenance

- ACTIVE Users assure long term perspective for survival
- Business Plan to assure maintenance and life cycle
1\textsuperscript{st} step, define Ownership, IPR & Licensing

If we want

- Open Access
- Open Data
- Open Source

We need to define

- CC
- Apache 2, BSD, GPL
Example 1: Open Source Development, the community solution

- It is not buying / consuming
- It is about active participation and collaboration
- USERS, COMMITTERS and MAINTAINER’s
- Committers & maintainers from the community!

- AND IT IS NOT FOR FREE!
  - Long term vision and people investment
  - Dedicated Community
Example 2: Or Preservation as a Product?? The commercial solution

- Consuming
- Buying
- Vendor dependency
- Tendering
- Outsourcing
Maturity Process

Institutional
- Regulate
- Compliance
- Certification

Practical
- Act
- Learn
- Step by step
An Active Preservation Community

- Adaptive to innovation
- Maintaining Tools
- Develop Solutions
- Fix problems
- Working together

- Trained People
- Committed People
- Qualified People
- Dedicated People
- Communicative People

A mature community of merit with many motivated people empowered and rewarded by their organizations