Implementing TDR at the Dutch Institute for Sound and Vision

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• Agenda

✓ Who we are and what we do and where we work
✓ Changing environment of our broadcast archive
✓ From Project to Program: TDR as part of a bigger program
✓ Summary remarks
Who we are

- Archive for the public broadcasters
- Museum (Media Experience) 250,000 visitors annually
- Third party collections and acquisitions
- Independent but financed by the Ministry of culture on a structural basis (also extra money from the EU and others for projects)
Born Digital material

Annual ingest since 2006
• ~10,000 hour video
• ~30,000 hour audio
Europe’s largest digitisation and digital preservation project!

100,000 Euro
Until mid 2014

137,200 hours video
17,510 hours film
123,900 hours audio
1,200,000 photo’s
Downloads from the digital archive versus physical loan of videotape
How do Broadcasters get their material?

Extranet application
How Much do we have? How do we keep it

In 2014

- 5.6 Petabyte of born digital video and digitized videotape (and audio)

- 7.4 Petabyte of digitized film

- Project to implement TDR in our archive in May 2012 (Maaike will talk about that later)
2 big changes in the meantime

- Insourcing complete storage infrastructure from our former service provider
- Stopping the in-house development of our catalogue
Insourcing storage Sept 2012

– We bought the library from our service provider and bought another one for backup
– Migrating tape from SATA tape to LTO 5 and LTO 4 to LTO 5, New disk storage
– New implementation Diva (HSM); ingest module, mirroring 2 storageTek libraries, new single sign-on, new transcoders replacing the workflow engine
– New network
Implementing a new catalogue and Media Asset Management system

- Summer 2012: Code review of in-house built system: 4.5 mio Euro to refactor the system
- Implement a new Media Asset Management system with a large installed base in the broadcast industry
In 2014

- 5.6 Petabyte of born digital video and digitized videotape (and audio)
- 7.4 Petabyte of digitized film
- Storage is no digital archive

Necessity to control the big amount of data
Necessity to synchronize the three projects into a program

1) Insourse the archive infrastructure
2) Implement a new catalogue and Media Asset Management system
3) Implement TDR criteria
2012: Descriptions
• Descriptions of roles and responsibilities of S&V, Producers and Designated Communities
• Definitions of Information Packages and Preservation Metadata

2013: Analyses and Recommendations
• Gap Analyses of (OAIS-)processes based on PrestoPrime deliverables
• Recommendations on a technical, organizational and policy level

Original plan: Project TDR
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• Measure project results with Quality Criteria based on TRAC
• Project goal: meet 80% of criteria
• 20% ends up in recommendations
• Technical implementation NOT a part of the project

• BUT recommendations and implementation needed sooner than we thought (Next Archive)
• Risk of isolated and irrelevant TDR outcomes in 2013
New plan: Program Next Archive

- TDR is now a project within the Next Archive program
- TDR project outcomes serve as (quality) standards for Next Archive
- Planning: synchronize development and deadlines of related products
  - Preservation Metadatamodel <> MAM Metadata
  - Preservation Planning <> MAM functionalities
  - Definition Information Packages <> Ingest and Access services
New plan: Architecture

- Work with an IT Architecture
- TOGAF: The Open Group Architecture Framework
- TDR (requirements) are a preliminary condition for designing Business, Information System and Technology Architectures
- Architecture is basis for future IT processes and applications > secure TDR-compliancy
Conclusions so far

We want: policy development *before* implementation

In a production environment we get: implementation *during* policy development

Issues: Time and Knowledge (not nearly enough)