


PrestoPRIME

FP7-ICT-2007-3 231161


General Presentation
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PrestoPRIME

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- 7th Framework Programme for research and technological development
- 3rd Call
- Integrated Project – 42 Months
- January 2009 -> June 2012
- INA, BBC, RAI, JRS, B&G, ORF, ExLibris, Eurix, Doremi, Technicolor, IT Innov.,
- Vrije Universiteit Amsterdam, Universität Innsbruck, European Digital Library Foundation





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Issue

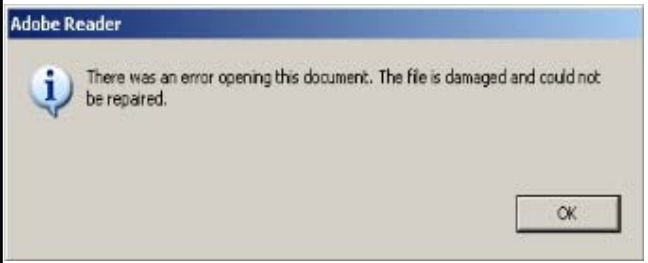

- Audiovisual contents are more and more managed as de-materialised digital objects
- Edits and various transforms lead to considering them no more as static, but rather as dynamic objects, containing not only signal, but also links, context, and associated rights.


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Ooops !





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Project origins

- Presto (2000-2002, BBC coordinator)
 - Digitising Audiovisual contents to make them accessible
- PrestoSpace (2004-2008, INA coordinator)
 - ... In a rational and industrial way (Preservation Factory)
- PrestoPrime (2009-2012, INA coordinator)
 - Ensure permanence and accessibility of these digitised contents




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Objectives (1/2)

- Solutions for long-term preservation of objects, programmes, and collections of digital audiovisual contents,
- Solutions for facilitating access to these collections by integration of with online digital libraries
 - Tools for metadata migration and deployment, processes for alignment, annotation, vocabulary services, User-Generated Contents and metadata.
 - Risk, quality, and integrity management of contents
- Integration, demonstration, evaluation, of such tools and processes for audiovisual digital permanence and access.
- ...



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Presto PRIME Objectives (2/2)

- ...
- A Competence Centre for Audiovisual Heritage Preservation & Access
 - Expert evaluations, audits recommendation, best practise guides, reference documents, service providers registries
 - Access points to tools and technologies issued from PrestoSpace and PrestoPrime
 - Inception of an European Audiovisual Archives Association (E3A)

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Presto PRIME 15 Partners :

- 5 Archive institutions, with associated R&D departments :
 - Ina (coordinator), RAI, BBC, Beeld en Geluid (Sound & Vision, NL), ORF.
- 5 Research partners, including 2 applied research institutions :
 - Joanneum Research, IT Innovation, Universities of Liverpool, Innsbruck, Amsterdam.
- 4 industrial partners, including 2 PME :
 - Eurix, Ex Libris, Technicolor, Doremi.
- Europeana, (European Digital Library), through EDL Foundation

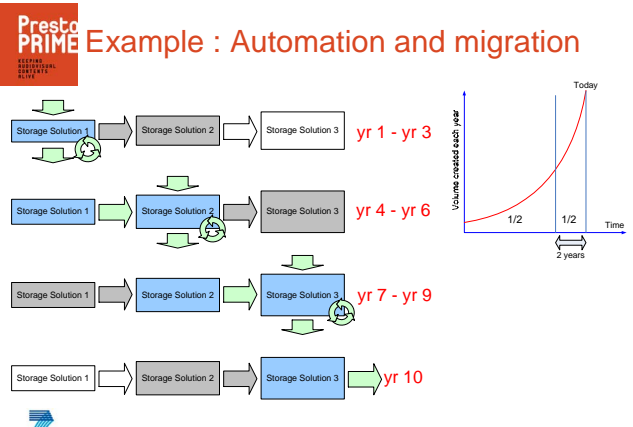
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Presto PRIME Europeana : an essential partner



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Presto PRIME Example : Automation and migration



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Presto PRIME Example : What do you want to lose and when?

- No compression (e.g. RAW)
 - Huge data volumes, robust to file corruption (relatively)
 - But can you afford enough copies? ☹
- Lossless compression (e.g. JPEG2000)
 - 2 copies for the price of 1, more sensitive to file corruption, needs more checking
- Lossy compression (e.g. MPEG4)
 - Upfront sacrifice quality for data volume, lower storage cost = many copies ☺, but interframe compression very sensitive to file corruption, and nasty things can happen during further format migration
- Lose everything else if you have no money left!

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Presto PRIME More specifically...

- Doremi :
 - Development and encoding of JPEG2000 for video (SD & HD), as a candidate to be the « high quality reference archive format »
- RAI :
 - Automated rights management
- IT Innovation, U. Liverpool, Ex Libris, BBC
 - Distributed and secured storage management : Evaluation/comparison of existing approaches (iRODS...)
- U. Liverpool
 - « Multivalent » persistent decoding of digital audiovisual formats
- ...

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Presto PRIME More specifically...


- ...
- Vrije Universiteit Amsterdam
 - Use of UGC (User-Generated-Contents) and User-Generated Metadata for indexing (example : the « tagging game »).
- Joanneum Research
 - Quality measurement and monitoring
- Joanneum Research, Vrije Universiteit Amsterdam
 - Metadata Interoperability
- Eurix, ExLibris
 - Integration, Workflows, integration of results...
- ...



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Presto PRIME More specifically...

- ...
- Ina : Indexing through detection a large scale of repeats in broadcast contents.
 - Detection and trimming of credits/commercials/teasers/rebroadcasts/excerpts, provenance, link with accessible databases (Europeana/IMDb/ISAN/DailyMotion...)
- B&G, INA, BBC
 - Development of the Competence Centre
 - Inception of E3A
- ...




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Presto PRIME Connected projects

- Europeana 1.0
- Europeana Connect
- European Film Gateway
- VideoActive / EUScreen






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Presto PRIME Work Package Structure

| | | | | | | | |
|---|--|--|--|--|--|--|--|
| T1 Partnership Management | | W1 Consortium Management | | T2 Financial Management T3 Activity Planning & Reporting | | T4 Quality and IP Management | |
| W8 Competence Centre Showcases | | | | | | | |
| WP8T1 Showcase presentations of technology, services and content | | | | | | | |
| WP8T2 Evaluation with users Field Trial conditions | | | | | | | |
| W6 Audiovisual preservation Competence Centre | | | | | | | |
| WP6T1 Setting up and managing a networked audiovisual Competence Centre | | | | | | | |
| WP6T2 Competence Centre activities | | | | | | | |
| WP6T3 Economic viability and business planning | | | | | | | |
| W5 Integration and validation | | | | | | | |
| WP5T1 User-driven scenarios | | | | | | | |
| WP5T2 Integration of archives, libraries, and user-generated content | | | | | | | |
| WP5T3 Integration of PrestoPRIME software with a commercial system | | | | | | | |
| WP5T4 Test material and evaluation | | | | | | | |
| W2 Models and environments for long-term audiovisual content preservation | | W3 Data management and processing for media preservation | | W4 Long-term audiovisual access and use in changing contexts | | W7 Dissemination and training | |
| WP2T1 Models for audiovisual preservation | | WP3T1 Processing & workflows for audiovisual migration | | WP4T1 Metadata interoperability for access | | T1 Dissemination and publication of training Workshops in Longterm AV Preservation | |
| WP2T2 Metadata for long-term preservation | | WP3T2 Content quality appraisal and risk management | | WP4T2 User-generated and contextualised metadata | | | |
| WP2T3 Storage strategies and rule sets for preservation | | WP3T3 Multivalent approaches to long-term AV media preservation | | WP4T3 Content provenance and tracking | | | |
| | | WP3T4 Infrastructures for audiovisual content storage & processing | | WP4T4 Audiovisual rights modelling | | | |



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