

PRESTOPRIME - 3rd / final Test-Bed

INA (Bry-sur-Marne, France); 12.-13.Sept.2012



PROGRAM (valid for both days!)

10:00	<i>Welcome</i>
10:05	P4-System (PrestoPRIME Preservation Plattform)
f.b.	Rosetta – System (with incorporated PP-tools)
f.b.	Ting / MServe / iModel
f.b.	MXF Tools, DRACMA, LTFSArchiver, Automated SIP Submission
f.b.	AV-Quality Assessment
f.b.	RightsDraw2
f.b.	Content Tracking using Fingerprints
f.b.	Metadata-Mapping
f.b.	User-Annotation
f.b.	Multivalent
~12:45	<i>Lunch-Break</i>
13:30	Start of Test-Sessions (see below)
~17:30	<i>End of Test-Sessions</i>

Test-Stations on the Afternoon-Sessions:

Station A	<p>P4-System (all tools in one system) → contact: Francesco Gallo gallo@eurix.at</p> <p>The PrestoPRIME Preservation Platforms combines all single tools developed in the project in one single Digital Preservation System. P4 provides basic functionalities for ingesting, updating, accessing and managing files and metadata, introducing an adopted SIP-structure based on METS. P4 provides as well a common GUI for all steps.</p> <p>For the test-bed the systems contains approx. 2TB of test-data from RAI, BBC, ORF and University of Innsbruck.</p>
Station B	<p>Rosetta-System (with incorporated PP-tools) → contact: Nir Kashi Nir.Kashi@exlibrisgroup.com</p> <p>Rosetta is the first (and so far the only) commercial system that provides a full long-term digital preservation solution. Rosetta implements and relies on national standards such as: OAIS, PREMIS, METS, TDR, etc. and implemented in 15 institutions worldwide. A new version of the Rosetta system was developed for integrating with the PrestoPRIME tools. Using the 'open platform' approach, the new Rosetta version provides an extensive 'Integration Points' layer (plug-in, APIs, Reports, etc) that enables the integration with the different PrestoPRIME tools.</p>
Station C	<p>AV – Quality Assessment → contact: Peter Schallauer peter.schallauer@joanneum.at</p> <p>The Quality Analyser and Quality Summary tools allow for content based, reference-free, automatic analysis of visual impairments in video and film content and for summarisation and human verification of automatically detected impairments.</p> <p>The Quality Analyser is carried out automatically during the ingest process with no user interaction required and with a potentially long computation time (especially for videos with high duration); we concentrated in this test setup on the usability of the Summary tool.</p> <p>The Quality Summary tool provides a temporal visualisation of defects (currently video breakups, uniform colour frames, test pattern), quality measures (currently noise level) and video/film contents (e.g. shots, key frames, stripe image).</p> <p>Apart from improvements in the validation workflow, a new sharpness estimation module has been added.</p> <p>If you are interested in testing the tools on your video files, please send an email to peter.schallauer@joanneum.at , mentioning the types of defects/impairments you are interested in.</p>

Station D	<p>Metadata Mapping → contact: Werner Bailer werner.bailer@joanneum.at</p> <p>JRS will test a metadata mapping service, together with a new configuration interface for customizing mappings. If you are interested in testing the tool for mapping from the metadata format used in your organization to a standard format like MPEG-7, EBUCore or the Europeana Data Model, please contact werner.bailer@joanneum.at (if possible, include already a small sample of your metadata).</p>
Station E	<p>User-Annotation → contact: Michiel Hildebrand michiel.hildebrand@vu.nl</p> <p>InitiallyWaisda? is a labeling game for video. Initial prototypes of Waisda? were used in two pilot studies at the Netherlands Institute for Sound and Vision, in which more than a million user tags were collected. Now there is the open source version of Waisda? that everybody can use to let the crowd tag their video collection. During the PrestoPRIME testbed the team of the VU University Amsterdam is available to setup a prototype for your collection. Initially the only required is that the videos you want to use are publicly available online in mp4 or flash video. For the prototype we provide the server space with a Waisda installation. At a later stage this setup can easily be transferred to another location. For further information please contact michiel.hildebrand@vu.nl</p>
Station F	<p>Fingerprint (content tracking via Fingerprints) → contact: Jean-Hugues Chenot jhchenot@ina.fr</p> <p>A system to explore accurate data on the repetition of audiovisual contents on TV channels. A full record of repeated (5 seconds to 1 hour) segments of audio and video is available. The interface allows exploring the database or repeated contents on more than 10 TV channels since January 2010 to present and to cross-check with additional video files.</p> <p>Since last test-bed in Turin in November 2011, the amount of contents analysed has grown up to 250000 hours, and interfaces were prepared to deliver results of specific requests to the P4 system.</p> <p>If you provide us at least one week in advance with the URL of one or several video files, we will compute the fingerprints, and identify the repeated contents, and identify as well when and on which channel(s) the contents were displayed. But please first contact jhchenot@ina.fr</p>
Station G1	<p>Modelling → contact: Matthew Addis mja@it-innovation.soton.ac.uk</p> <p>This station demonstrates two planning tools that allow the user to make comparisons between different storage systems in terms of the long-term cost of storing of AV content versus the risk of loss.</p> <p>The first storage planning tool is for long-term planning and allows the user to assess at a high level whether to use, for example, data tape on shelves or an HSM (hierarchical storage management) system. This helps the user narrow down the options of available storage systems. The user can define different storage systems (in terms of cost and failure rates). The tool comes preloaded with some defaults</p>

	<p>derived from storage providers and field studies, and the user can define their own. The user can then take a pair of storage systems and build them into a 2-copy system.</p> <p>The second tool is iModel, an interactive storage simulation tool, which allows the user to perform interactive simulations of ingest, access, the effect of corruption and active preservation. The tool simulates a live archive in accelerated time in order to see, understand and balance preservation activities with ingest/access. The user provides inputs to the model, such as the workload on the storage systems, the cost components of the services, the resources available and priorities for different tasks (e.g. ingest, access, migration etc.). The tool gives output in graphical form, showing the total cost over time, asset loss and statistics related to ingest/access, such as average access times, ingest queue lengths etc.</p>
Station G2	<p>MServe / TING → contact: Martin Hall May mhm@it-innovation.soton.ac.uk</p> <p>This station demonstrates three tools working together.</p> <p>MServe is a web service for processing and storing data and is specifically designed for audio-visual content. It allows the user to manage long-term retention and access to data according to the OAIS model. MServe provides a web GUI and REST interface to control the ingest, access, processing and manipulation of data using compute resources.</p> <p>Ting is a generic service monitoring and management framework. It allows a service provider to define service offerings, agree service level agreements (SLAs) with customers and to automatically monitor and manage the customer's use of the service according to the terms of the SLA. It is demonstrated here by monitoring the use of an MServe installation.</p> <p>The iModel storage simulation tool (separately demonstrated at station G1) is integrated with Ting to provide a means to predict future archive trends based on the current configuration and historical usage of an MServe installation.</p>
Station H1	<p>MXF Tools, DRACMA, LTFSArchiver, Automated SIP Submission → contact: Laurent Boch lboch@rai.at</p> <p>Several components and systems supporting archival process of master quality media files are showed, demonstrated and explained.</p> <p>LTFS-Archiver is a service (open-source) providing means to benefit of LTO storage technology, with LTFS, with and without automated libraries. This will support the scenario of having Content stored on LTO tapes only (master level) and being able to perform all the needed archival processes (integrity, migration, access, partial retrieve).</p> <p>DRACMA is a set of services that, after indexing Master files on ingest time, is able to provide very efficient access in partial retrieve mode. Currently works and is demonstrated on MXF/D10 files. Can work also on LTO-LTFS storage.</p> <p>MxfTechMDExtractor is a tool for extracting technical metadata from MXF Headers according to the SMPTE definitions. The extracted information can be inserted into the Archival Information Package for use during the Preservation Process.</p>

	<p>D10SumChecker is a tool supporting media file integrity check on an Edit Unit basis (works on MXF/D10 files). In case of file corruption it will be possible to identify the corrupted and uncorrupted parts, and implement smart recovery even from two corrupted copies (provided errors are not located in the same place). It is always possible to make partial retrieve of the uncorrupted parts.</p> <p>Automated submission using Mets format will be also demonstrated.</p> <p>Test users interested in using their material are invited to get in contact with lboch@rai.it</p>
Station H2	<p>RightsDraw2 → contact: Annarita Di Carlo a.di_carlo@rai.it</p> <p>This addresses the ambitious goals of defining a model of audio-visual rights and of providing the tools proving the concept that managing rights in the real world is possible. Rights can be perceived as complex and often they are complex, because they have to express all the conditions that can be required for the exploitation of our intellectual property works. However the MPEG21 Media Value Chain Ontology (MVCO) already provided a robust starting point for defining a model appropriate to the real world needs. We decided that the work we did in PrestoPRIME for creating our PrestoPRIME AV Rights Ontology needed to be consolidated within an ISO Standard in order to become an asset useful universally. That's why we put a relevant effort in the definition of MPEG21 Contract Expression Language (CEL - currently Draft International Standard).</p> <p>Rightsdraw(v2) is a set of services and tools (open-source) for working with rights according on MPEG21-CEL both in contexts dealing with contracts and in those dealing with management of owned rights, such as the PrestoPRIME archival scenarios.</p> <p>Rightsdraw combines various working environments in order to allow the user to deal with just the needed level of complexity. The experts will be able to operate with all the facets offered by the model and will be called to use their competence to define exactly all the clauses. However a major quantity of work can be done quite quickly and simply, once the main recurrent key rights patterns are well defined, with a lower level of expertise, reducing the errors and costs.</p> <p>Test users wishing to verify cases particularly interesting for them are invited to get in contact with a.di_carlo@rai.it</p>
Station I	<p>iRODS, Multivalent → contact: Adil Hasan adilhasan2@gmail.com or → contact: Jerome Fuselier jerome.fuselier@free.fr</p> <p>iRODS is fully integrated into P4 as a policy-driven data management system. The system comes with a number of built-in policies controlling access and storage. Two new policies have been implemented to automatically asynchronously replicate data to another resource and a policy to detect and repair 'broken' files (where broken corresponds to a difference between the actual md5 checksum value and the value calculated upon ingest). New since last testbed: migration from old format rules to new format rules, complete integration into P4, GUI interface to manage and audit iRODS rules.</p> <p>What will be demo'd is the GUI interface for managing iRODS rules.</p>

	<p>Multivalent is a preservation software, its goal is to ensure that a set of preserved files will still be accessible in the future. The framework provides a set of media engines which are able to parse and decode a range of common file formats. It can also add functionalities to an existing format specification like for instance annotation capabilities.</p> <p>New from last test-bed: Improvement on the MXF support, add support for the BBC MXF files. Modular MXF library, it can be used without Multivalent. Extensible library, it's possible to add new formats/codecs to manage more audio/video file formats.</p> <p>The demo will show the latest improvements made to the embedded MXF library.</p>
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REGISTRATION:

If you want to attend the 3rd (and final) PrestoPRIME Test-Bed, please send a mail with your

NAME, SURNAME, eMAIL-ADDRESS, PROFESSION, COMPANY-NAME and FIELD(s) OF INTEREST and DAY(s) OF ATTENDANCE

to christoph.bauer@orf.at → if you want to pre-book a test-slot for a certain tool/method (see the list above), please tell us in your registration-mail!

Looking forward to meet you in Bry!!