Introduction to PREFORMA
PREservation FORMAts for culture information/e-archives

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PREFORMA Project

- ❑ **Pre-Commercial Procurement** project co-funded by the European Commission under FP7-ICT Programme
- ❑ **Objective**: to empower memory institutions to gain full control over the process of conformity tests of files intended for long-term preservation
- ❑ **Website**: www.preforma-project.eu
- ❑ **Contacts**
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Project Partners

- ❑ RIKSARKIVET, Sweden **Project Coordinator and memory institution**
- ❑ PROMOTER SRL, Italy **Technical and Communication Coordinator**

- ❑ **Technical partners**
  - PACKED EXPERTISECENTRUM DIGITAAL ERFGOED VZW, Belgium
  - FRAUNHOFER-GESELLSCHAFT ZUR FOERDERUNG DER ANGEWANDTEN FORSCHUNG E.V, Germany
  - HOGSKOLAN I SKOVDE (University of Skovde), Sweden
  - UNIVERSITA DEGLI STUDI DI PADOVA, Italy

- ❑ **Memory institutions**
  - STICHTING NEDERLANDS INSTITUUT VOOR BEELD EN GELUID, Netherlands
  - Koninklijk Instituut voor het Kunstpatrimonium, Belgium
  - GREEK FILM CENTRE AE, Greece
  - LOCAL GOVERNMENT MANAGEMENT AGENCY-AN GHNIOMHAIREACHT BAINISTIOCHTA RIALTAIS AITIUIL, Ireland
  - STIFTUNG PREUSSISCHER KULTURBESITZ, Germany
  - AYUNTAMIENTO DE GIRONA, Spain
  - Eesti Vabariigi Kultuuriministeerium, Estonia
  - KUNGLIGA BIBLIOTEKET/National Library, Sweden

The PREFORMA Challenge

- Develop three **open source conformance checkers** for electronic documents, still images and AV content that:
  - check if a file complies with standard specifications (**Implementation Checker**)
  - check if a file complies with the acceptance criteria of the memory institution (**Policy Checker**)
  - report back to human and software agents (**Reporter**)
  - perform simple fixes (**Metadata Fixer**)

- Set up **interoperability mechanisms** allowing the integration of the tools into the legacy systems of the memory institutions and their extension to new formats

- Establish a **sustainable community** that ensures long-term availability of the software, generates useful feedback for those who control the software and advances improvement of the standard specifications

PREFORMA webinar, September 2016

SEVENTH FRAMEWORK PROGRAMME

Conformance checking in PREFORMA

Three projects focusing on:	Standard specifications to be checked
1. ELECTRONIC DOCUMENTS (veraPDF)	**PDF 1.7** (ISO 32000-1:2008) **PDF/A-1** (ISO 19005-1:2005) **PDF/A-2** (ISO 19005-2:2011) **PDF/A-3** (ISO 19005-3:2012)
2. STILL IMAGES (Easy Innova)	**TIFF/EP** (ISO 12234-2:2001) **TIFF/IT** (ISO 12369:2004)
3. AUDIOVISUAL (MediaArea.net)	**MKV** (http://www.matroska.org/technical/index.html) **Lossless FFV1** http://www.ffmpeg.org/~michael/ffv1.html **Linear PCM** (IEC 60958-1 ed3.1 Consol. with am1: 2014)

SEVENTH FRAMEWORK PROGRAMME

Open Source Portal

www.preforma-project.eu/open-source-portal.html

❑ Unique access point to all the open source projects
- – Latest downloads
- – Documentation
- – Sample files
- – Issue/bug trackers
- – Relevant links

Join our network!

- ❑ **Cultural institutions and other content providers** outside the PREFORMA Consortium can participate in the refinement of the requirements and in the definition of the policies to be checked

- ❑ In addition, they can contribute to the evaluation and assessment of the software by **providing datasets** to be used to test the prototypes, including both valid/conform files and corrupted files

- ❑ **Developers** can contribute to the improvement of the conformance checkers by joining the suppliers' communities

Next Appointment

Experience Workshop
Berlin, 23 November 2016

Objectives: demonstrate the use of the conformance checkers for file-formats developed in the project, involve memory institutions outside the PREFORMA consortium in testing, using and further developing the software, and share the experience gained by PREFORMA memory institutions working with developers under R&D service agreements

Register at http://experienceworkshop.preforma-project.eu/

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PREFORMA Website

www.preforma-project.eu

PREFORMA Blog

www.digitalmeetsculture.net/preforma

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