

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

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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

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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)

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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

A screenshot of the PREFORMA Open Source Portal website. The page has a dark grey background with yellow and white text. At the top left is the PREFORMA logo. To its right are the European Union flag and the Seventh Framework Programme logo. Further right is a text box stating: "This project has received funding from the European Union's Seventh Framework Programme under grant agreement no 619568". Below this is a navigation menu with links: HOME, PROJECT, PARTNERS, TENDER, ACTIVITIES, OPEN SOURCE PORTAL, COMMUNITY, DOWNLOAD, CONTACTS. The main content area is titled "OPEN SOURCE PORTAL" and contains a paragraph: "This section provides an overview and references to each open source project that is currently working in the prototyping phase. It acts as an entry point for all interested suppliers and memory institutions allowing easy navigation to all externally hosted resources." Below this are three project entries: "PROJECT N.1. VeraPDF: THE PDF/A CONFORMANCE CHECKER ACCEPTED INDUSTRY-WIDE" by Open Preservation Foundation, PDF Association, Digital Preservation Coalition, Dual Lab, KEEP SOLUTIONS; "PROJECT N.2. DPF MANAGER: DIGITAL PRESERVATION FORMATS MANAGER" by Easy Innova; and "PROJECT N.3. MEDIACONCH - CONFORMANCE CHECKING FOR AUDIOVISUAL FILES" by MediaArea.net. On the right side of the page, there is a sidebar titled "PREFORMA OPEN SOURCE PROJECTS" with links to "PDF/A CONFORMANCE CHECKER", "DPF MANAGER", "MEDIACONCH", and a link to "View all the successful proposals that participated to the design phase". Below this is a section "OTHER EXISTING TOOLS" with links to "ARCHIVEMATICA", "JPPLYZER", and "MEDIA FILE CHECKER".

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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

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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

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A screenshot of the PREFORMA website homepage. The header includes the PREFORMA logo, navigation links (HOME, PROJECT, PARTNERS, TENDER, EVENTS, OPEN SOURCE PORTAL, COMMUNITY, DOWNLOAD, CONTACTS), and logos for the European Union and the Seventh Framework Programme. The main content area features a large banner for the "IMPROVING LONG-TERM DIGITAL PRESERVATION EXPERIENCE WORKSHOP" on 23 November 2016. Below this, there are sections for "UPCOMING EVENTS" (including the ICA Congress 2016 in Seoul) and "NEWS FROM THE BLOG" (including articles on conformance checkers and the veraPDF 0.20 release).

A screenshot of the PREFORMA Blog website. The header includes the PREFORMA logo, navigation links (WEBSITE, PROJECT, PARTNERS, TENDER, ACTIVITIES, OPEN SOURCE PORTAL, COMMUNITY, DOWNLOAD, CONTACTS), and logos for the European Union and the Seventh Framework Programme. The main content area features a large banner for the "PRESENTATION OF THE PROJECT" and "PREFORMA, FUTURE MEMORY STANDARDS". Below this, there are sections for "RELEVANT NEWS FROM DIGITALMEETSCULTURE" (including articles on LIMOSAI, DIPP 2016, and UNESCO PERIST) and "CONTACTS" (listing project coordinators and technical coordinators).

PREFORMA Blog

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