

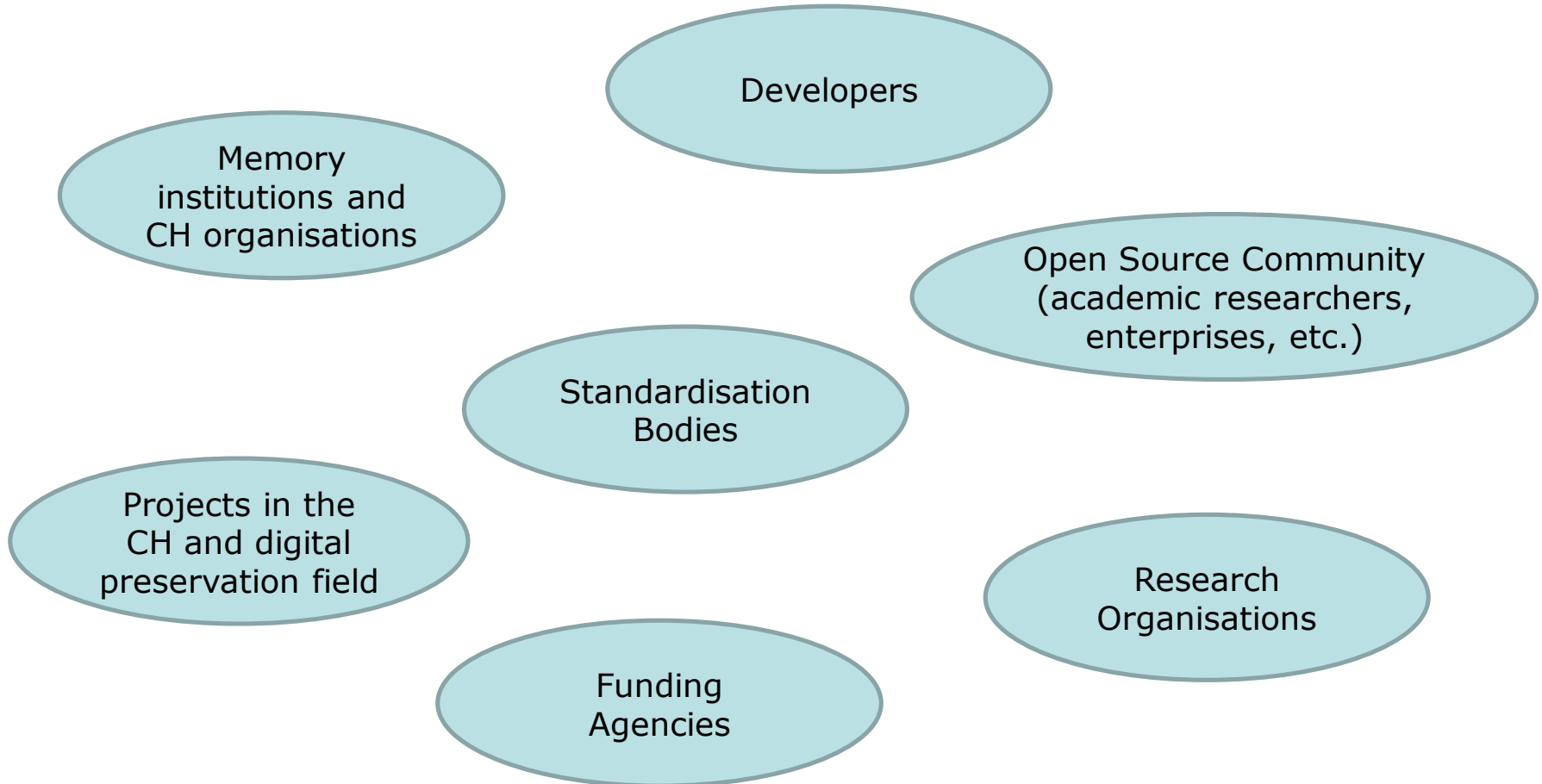
# How to contribute and next appointments

*Claudio Prandoni*

*Promoter Srl*

*PREFORMA Communication Coordinator*

# PREFORMA target audience



# How content providers can contribute



- ❑ 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
- ❑ They can contribute to improving the softwares by **providing datasets** used to test the prototypes, including both valid/conform files and corrupted files
- ❑ They can participate in the workshops and public events organised by the project, follow the project online, provide feedbacks and comments on the project evolution, joining a long-lasting **community on common interest**

# Join our network!



## 17 institutions are already contributing by providing test files

- Austrian Mediathek
- Austrian State Archives
- Centre for Libraries of the University of Padua
- DIGIBÍS S.L.
- Dublin city's public library and archive
- Flemish Institute for Archiving
- Fondazione Biblioteca Europea di Informazione e Cultura
- International Association of Sound and Audiovisual Archives
- National Archives of Andorra
- National Archives of Croatia
- NALIS Foundation
- National Archives of Denmark
- National Library of the Netherlands
- Onlus ICT Ad Duas Lauros
- Sabadell Historical Archives
- United Nations Mechanism for International Criminal Tribunals
- Wrocław University Library

A screenshot of the PREFORMA website's file upload interface. The page header includes the PREFORMA logo, the European Union flag, and the Seventh Framework Programme logo. A navigation menu contains links for HOME, PROJECT, PARTNERS, TENDER, EVENTS, OPEN SOURCE PORTAL, COMMUNITY, DOWNLOAD, and CONTACTS. The main content area is titled "UPLOAD FILES TO PREFORMA VAULT" and includes a "TIP" section, a description of the upload process, a list of accepted file formats (PDF, PDF/A, TIFF, Matroska, etc.), and a list of instructions for users. At the bottom of the form are three buttons: "+ Add files", "Upload all", and "Cancel / Clear".

Contact us at

[info@preforma-project.eu](mailto:info@preforma-project.eu)

## ❑ **Training data**

To be used by the suppliers for training the software components during the prototyping phase

## ❑ **Test data**

To be used by the suppliers and by the PREFORMA partners for testing the software components during the prototyping and testing phases

## ❑ **Demonstration data**

To be used by suppliers, by the PREFORMA partners and by third parties for demonstrating and endorsing the PREFORMA solution

# Open Source Portal

[www.preforma-project.eu/open-source-portal.html](http://www.preforma-project.eu/open-source-portal.html)



PREFORMA

## Unique access point to all the open source projects

- Latest downloads
- Documentation
- Sample files
- Issue/bug trackers
- Relevant links

The screenshot shows the PREFORMA Open Source Portal website. At the top, there is a navigation menu with links: HOME, PROJECT, PARTNERS, TENDER, ACTIVITIES, OPEN SOURCE PORTAL, COMMUNITY, DOWNLOAD, and 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, there 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*  
A unique collaboration, the VeraPDF Consortium brings together an end user community and a software industry rooted in the principle of interoperability based on ISO standardized technology... [access project page >>](#)
- PROJECT N. 2. DPF MANAGER: DIGITAL PRESERVATION FORMATS MANAGER**  
by *Easy Innova*  
DPF Manager is an open source modular TIFF conformance checker that is extremely easy to use, to integrate with existing and new projects, and to deploy in a multitude of different scenarios... [access project page >>](#)
- PROJECT N. 3. MEDIACONCH - CONFORMANCE CHECKING FOR AUDIOVISUAL FILES**  
by *MediaArea.net*  
MediaConch is an extensible, open source software project consisting of an implementation checker, policy checker, reporter and fixer that targets preservation-level audiovisual files for use in memory institutions... [access project page >>](#)

On the right side of the page, there is a sidebar with the heading "PREFORMA OPEN SOURCE PROJECTS" and a list of tools: PDF/A CONFORMANCE CHECKER, DPF MANAGER, MEDIACONCH, ARCHIVEMATICA, JPYLYZER, and MEDIA FILE CHECKER. There is also a link: ">> View all the successful proposals that participated to the design phase". At the bottom of the sidebar, there is a section "OTHER EXISTING TOOLS".

# Project #1

## PDF/A conformance checker



- ❑ Supplier: veraPDF Consortium
- ❑ Media file format: PDF/A
- ❑ Link: <http://preforma-project.eu/pdfa-conformance-checker.html>

PDF/A CONFORMANCE CHECKER DOWNLOAD

From this page it is possible to download executables, source code and complete build environment for veraPDF PDF/A conformance checker. The source code and executables are provided under the two specific open source licenses "MPLv2 or later" and "GPLv3 or later". The build environment is provided under an open source license, i.e. a license approved by the Open Source Initiative ([www.opensource.org](http://www.opensource.org)).

RELEASE 0.16.3 (03 June 2016)

- ▶ All platforms: **executable**

RELEASE 0.14.3 (31 May 2016)

- ▶ All platforms: **executable**

RELEASE 0.12.8 (31 March 2016)

- ▶ All platforms: **executable, source code**

RELEASE 0.10.10 (28 December 2015)

- ▶ All platforms: **executable**

RELEASE 0.8.5 (11 December 2015)

- ▶ All platforms: **executable, source code: MPL zip, GPL zip, MPL gzip, GPL gzip**

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### veraPDF: THE ARCHIVAL COMMUNITY MEETS THE INDUSTRY

Typically, archives are comprised of records and documents. The de facto final-form electronic document format of choice - worldwide - is PDF, the ISO-standardized page-description model invented by Adobe Systems in the early 1990s.

PDF is a very powerful and extremely flexible format, but it's also internally complex. Obtaining broad-based consensus on precise interpretations of PDF/A, the archival subset of PDF, is critical to the mission of libraries and archives. Conformity on PDF/A ensures that document production workflows may consistently and cost-effectively create and use archive-ready content while allowing memory institutions to be confident of the quality and validity of their holdings.

PDF/A, the archival standard for PDF technology, ensures that conforming PDF documents will meet digital preservationists' needs in the years and centuries to come.

**CHECK OUT THE TOOL!**

Detailed information, technical documentation and download:  
[www.preforma-project.eu/pdfa-conformance-checker.html](http://www.preforma-project.eu/pdfa-conformance-checker.html)

# Project #2

## DPF Manager



- ❑ Supplier: Easy Innova
- ❑ Media file format: TIFF
- ❑ Link: <http://preforma-project.eu/dpf-manager.html>

DPF MANAGER DOWNLOAD

From this page it is possible to download executables, source code and complete build environment for DPF Manager conformance checker. The source code and executables are provided under the two specific open source licenses "MPLv2 or later" and "GPLv3 or later". The build environment is provided under an open source license, i.e. a license approved by the Open Source Initiative ([www.opensource.org](http://www.opensource.org)).

RELEASE 2.2 (30 May 2016)

- ▶ Debian: [executable](#), [source code](#), [build environment](#)
- ▶ Fedora: [executable](#), [source code](#), [build environment](#)
- ▶ MacOS: [executable](#), [source code](#), [build environment](#)
- ▶ OpenSuse: [executable](#), [source code](#), [build environment](#)
- ▶ Ubuntu: [executable](#), [source code](#), [build environment](#)
- ▶ Windows: [executable](#), [source code](#), [build environment](#)

RELEASE 2.1 (29 April 2016)

- ▶ Debian: [executable](#), [source code](#), [build environment](#)
- ▶ Fedora: [executable](#), [source code](#), [build environment](#)
- ▶ MacOS: [executable](#), [source code](#), [build environment](#)
- ▶ OpenSuse: [executable](#), [source code](#), [build environment](#)
- ▶ Ubuntu: [executable](#), [source code](#), [build environment](#)
- ▶ Windows: [executable](#), [source code](#), [build environment](#)

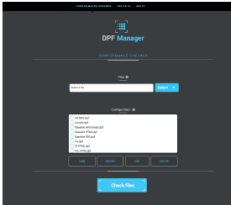
PREFORMA

### DPF MANAGER: LONG TERM PRESERVATION OF IMAGES

DPF Manager is an open source multiplatform application and framework designed to empower end users and developers to gain full control over the technical properties and structure of TIFF images intended for long-term preservation.

Its main objective is to give memory institutions full control over the conformity tests of TIFF images to be created, migrated and ingested into archives.

In assessing the suitability of a digital file for preserving information in the long-term, it relies on the use of a stable, open and well documented file format as well as on specific acceptance criteria established by the memory institutions.



Detailed information, technical documentation and download:  
[www.preforma-project.eu/dpf-manager.html](http://www.preforma-project.eu/dpf-manager.html)



# Project #3

## MediaConch



- ❑ Supplier: MediaArea.net
- ❑ Media file format: Matroska/FFv1/LPCM
- ❑ Link: <http://preforma-project.eu/mediaconch.html>

**MEDIACONCH DOWNLOAD**

From this page it is possible to download executables, source code and complete build environment for MediaConch conformance checker. The source code and executables are provided under the two specific open source licenses "MPLV2 or later" and "GPLV3 or later". The build environment is provided under an open source license, i.e. a license approved by the Open Source Initiative ([www.opensource.org](http://www.opensource.org)).

RELEASE 31 May 2016

- ▶ Debian: [executable](#), [source code](#), [build environment](#)
- ▶ Fedora: [executable](#), [source code](#), [build environment](#)
- ▶ MacOS: [executable](#), [source code](#), [build environment](#)
- ▶ OpenSuse: [executable](#), [source code](#), [build environment](#)
- ▶ Ubuntu: [executable](#), [source code](#), [build environment](#)
- ▶ Windows: [executable](#), [source code](#), [build environment](#)

RELEASE 29 April 2016

- ▶ Debian: [executable](#), [source code](#), [build environment](#)
- ▶ Fedora: [executable](#), [source code](#), [build environment](#)
- ▶ MacOS: [executable](#), [source code](#), [build environment](#)
- ▶ OpenSuse: [executable](#), [source code](#), [build environment](#)
- ▶ Ubuntu: [executable](#), [source code](#), [build environment](#)
- ▶ Windows: [executable](#), [source code](#), [build environment](#)


**PREFORMA**

### MEDIACONCH: CONFORMANCE CHECKING AUDIOVISUAL FILES

MediaConch is an open source software project that helps information professionals validate audiovisual files. It consists of an implementation checker, policy checker, reporter, and fixer that targets preservation-level audiovisual files (specifically Matroska, Linear Pulse Code Modulation (LPCM) and FF Video Codec 1 (FFV1)) for use in memory institutions. MediaConch provides detailed and batch-level conformance checking for these formats and information for most other file formats.

#### THREE ADAPTABLE PROGRAM INTERFACES

The core MediaConch application is available through three adaptable program interfaces. These three shells allow greater flexibility of product use to serve the various needs of memory institutions. MediaConch is available via the command line, a graphical user



The screenshot shows the MediaConch graphical user interface with a 'Check files' section and a table of results. To the right is a green box with a QR code and the text 'CHECK OUT THE TOOL!' and a link to the project website.

# Cooperation with other projects



## ❑ **BenchmarkDP**

- Use shared methodologies and approaches to establish an objective frame of reference for the evaluation of the conformance checkers

## ❑ **Europeana Space**

- Integrate the conformance checkers in the Technical Space, a web based application for the development of applications and services based on digital cultural content

## ❑ **E-ARK**

- Use the PREFORMA tools in E-ARK pilot archival services

## ❑ **AppHub**

- Deploy the conformance checkers in the AppHub Store
- Evaluate and incorporate the code quality and OSS risk management best practices developed by the AppHub community

# Cooperation with other institutions



- We are setting up test cases to integrate the conformance checkers and test them in real environments
  - **Standardisation Forum in the Netherlands**
    - PDF/A
  - **Media Converting Centre** – TIFF
  - **VIAA** – AV

# FORTHCOMING Call for Contributions



- ❑ Help us in the **identification of the issues to be checked** by the conformance checkers for each media type targeted by PREFORMA
- ❑ Each issue will be modelled by a specific class during the evaluation phase and each document will be labelled as belonging to one or more class according to its characteristics, i.e. to the issues it suffers

# Next Appointment SAVE THE DATE

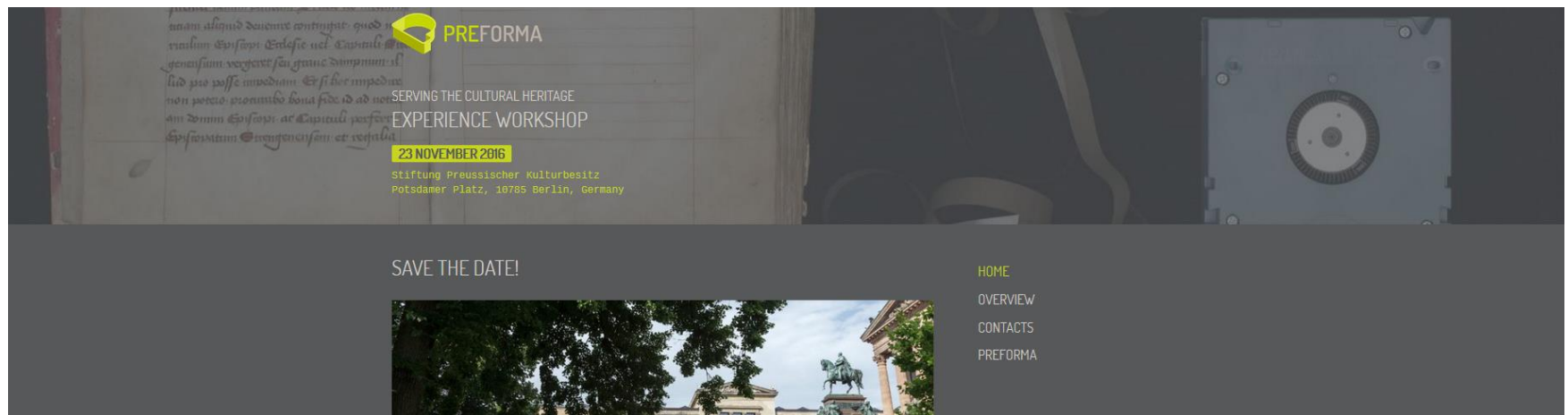


## Experience Workshop

Berlin, 23 November 2016

**Objectives:** demonstrate the use of the conformance checkers, involve other memory institutions in the testing phase and share the experience gained by PREFORMA memory institutions working with suppliers under R&D services agreements

More info soon at <http://experienceworkshop.preforma-project.eu/>



# Follow us!



## PREFORMA Website

[www.preforma-project.eu](http://www.preforma-project.eu)

A screenshot of the PREFORMA website homepage. The header includes the PREFORMA logo, European Union and Seventh Framework Programme logos, and navigation links: HOME, PROJECT, PARTNERS, TENDER, EVENTS, OPEN SOURCE PORTAL, COMMUNITY, DOWNLOAD, CONTACTS. A main banner reads "VISIT THE OPEN SOURCE PORTAL" with a subtext "Give your contribution to the prototyping phase". Below this, there's a section for "UPCOMING EVENTS" featuring "NESTOR PRAKTIKERTAG 2016" in Dresden on June 14, 2016. Another section highlights "PREFORMA, FUTURE MEMORY STANDARDS" with a brief description of the project and a "READ MORE" link. At the bottom, there are three news items: "VERAPDF 0.16 RELEASED AND AVAILABLE FOR DOWNLOAD", "MEDIACONCH NEWSLETTER #5 - JUNE 2016", and "APPHUB PLUGFEST IN BERLIN".

A screenshot of the PREFORMA Blog website. The header shows the date "Tuesday 07 June 2016" and navigation links: WEBSITE, PROJECT, PARTNERS, TENDER, ACTIVITIES, OPEN SOURCE PORTAL, COMMUNITY, DOWNLOAD, CONTACTS. The main content area features a "PRESENTATION OF THE PROJECT" section with a graphic of documents and a smiley face, and a "GLOSSARY" link. Below this is an "IN FOCUS" section for "veraPDF 0.16 released and available for download". The right sidebar contains "CONTACTS" with names like Boje Justrell and Antonella Fressa, and "COORDINATOR" listing Riksarkivet. The background of the page has a faint "FUTURE MEMORY STANDARDS" watermark.

## PREFORMA Blog

[www.digitalmeetsculture.net/preforma](http://www.digitalmeetsculture.net/preforma)



### OPF webinar: PCP for the long-term Preservation of Digital Cultural Heritage, 14 June 2016

