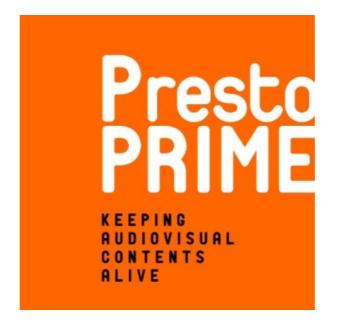# FP7-ICT-2007-3-231161

Deliverable D4.0.2

Metadata and Rights APIs and Service Interfaces

Final release

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Document administrative table

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This HasPart	ID4.0.2a, ID4.0.2b, ID4.0.2c, ID4.0.2d, ID4.0.2e
Abstract	This document specifies the rights metadata APIs and the interfaces of the metadata mapping and validation services, user annotation and vocabulary alignment services and content tracking service.

DOCUMENT HISTORY

Release	Date	Reason of change	Status	Distribution
1.0	08/02/2011	Joined ID4.0.2a-c,e together	Final	Confidential
1.01	22/02/2011	Final version of partial release	Partial release	Restricted
1.51	09/12/2011	Final release	Release	Public

1 Scope

The PrestoPRIME Project researches and develops practical solutions for the long-term preservation of digital media objects, programmes and collections, and explores ways to increase access by integrating the media archives with European on-line digital libraries in a digital preservation framework. This will result in a range of tools and services, delivered through a networked Competence Centre.

This deliverable is organised in four parts. *ID4.0.2a* describes the APIs for handling rights metadata based on the common rights ontology described in D4.0.5. *ID4.0.2b* describes the web service interface of the metadata mapping service, and the interface of the metadata validation service developed in WP2T2. *ID4.0.2c* describes the progress of the tagging game, tag gardening and vocabulary alignment and describes the interfaces to access the metadata generated in these services. *ID4.0.2d* describes the application of fingerprinting for content tracking and the service interface to access the results. As the services in all these four parts share common usage patterns, an annex (*ID4.0.2e*) on describing the blocking and non-blocking implementation of services has been added.

2 Executive summary

This deliverable consists of four parts and one annex.

Parts a-c are delivered in this document, part d is delayed. Annex A describes the use of services in a non-blocking mode. Please refer to the executive summaries of the parts.

ID4.0.2a Metadata and Rights APIs:

https://prestoprimews.ina.fr/workpackages/wp4_av_access/deliverables/release/PP_WP4_ID4.0.2a_MetaRightsAPIs_R0_v1.03.pdf

This deliverable provides the definitions of interfaces for a set of tools and services working with information on exploitation Rights of audiovisual assets, as resulting from the definition of the Common Rights Ontology. First prototype versions of the tools are also part of the deliverable. The tools and services are grouped within two sets one of which has to be deployed within the archive services of the PrestoPRIME Preservation Platform while the other one, named RightsDraw, is conceived for being deployed externally, offering functionalities to Producers and Consumers.

ID4.0.2b Interface specification of metadata conversion and deployment services:

https://prestoprimews.ina.fr/workpackages/wp4_av_access/deliverables/release/PP_WP4_ID4.0.2b_MetadataServicesIF_v1.02.pdf

This deliverable defines RESTful web service interfaces for the mapping and validating of metadata documents.

ID4.0.2c Interface specification of vocabulary alignment and annotation services:

https://prestoprimews.ina.fr/workpackages/wp4_av_access/deliverables/release/PP_WP4_ID4.0.2c_InterfaceSpec_AlignmentAnnotation_v1.01.pdf

Research article about interactive alignment methodology for SKOS vocabularies. We describe the methods that are explored to improve the quality of the user-generated metadata in preparation of the second pilot of the Waisda? tagging game. The tools are made available within the YAZ (Your Annotation Zone) toolkit. We describe how the data is modelled, including a way to capture the provenance information, and describe the web service to export an RDF graph.

ID4.0.2d Interface specification of fingerprint computing and comparison services.

https://prestoprimews.ina.fr/workpackages/wp4_av_access/deliverables/release/PP_WP4_ID4.0.2d_interf_fprint_services_spec_R0_v1.0.pdf

This document specifies the interfaces for accessing the Fingerprint comparison service and registry developed by INA within PrestoPrime.

A system is being built, that generates accurate data on the repetition of audiovisual contents on TV channels. A full record of segments (5 seconds to 1 hour) of audio and video repeated is generated, and stored into a database. This document is a specification, defining in more details means for submissions, through uploads of videos, of requests for

identification of contents, and the interfaces for retrieving the results of the requests and of the developed system.

ID4.0.2e (D4.0.2 Annex A) : Non-blocking service calls :

https://prestoprimews.ina.fr/workpackages/wp4_av_access/deliverables/release/PP_WP4_ID4.0.2e_Annex_A_v1.01.pdf

This document defines a mechanism for asynchronous calls to be used in the services described in D4.0.2.