Interoperability validation and data protection services as common shared infrastructure element

Panagiotis Stathopoulos, Nikos Houssos, Prodromos Tsiavos, Evi Sachini

{pstath;nhoussos;tsiavos;esachin@ekt.gr}

National Documentation Centre / National Hellenic Research Foundation National Documentation Centre (EKT/NHRF)

Addr:Vasileos Konstantinou 48, 11635 Athens, Greece, tel:+302107273996

Abstract

Digital Preservation is a multilayered issue with actions, measures and prerequisites that span the technological and organisational domains. Long term digital preservation poses prerequisites and actions that must be designed and implemented early on the life cycle of digital content, otherwise institutions may face increasing future preservation costs and complexity. Additionally many institutions often don't have the technical capacity or human and financial resources to deal with the constant maintenance and preservation needs of their digital assets.

The Operational Programme "Digital Convergence" (http://digitalplan.gov.gr), is funding a large scale, 60M€ work-programme which supports a set of 75 organisations in digital culture projects, for developing a variety of content and services (including digitization, documentation, interactive culture applications, etc.). Centrally managed minimum interoperability and open data requirements, interoperability validation tools and digital asset protection services have being identified as important prerequisites for forming an aligned digital preservation approach and maximising return on investment for the programme's funds.

In the framework of this work-programme the funding authority is cooperating with the Greek National Documentation Centre (EKT) for providing a common, shared, work-programme wide, resource for the support of interoperability requirements, validation and data protection. EKT is offering as a shared infrastructure element, to the work-programme participating institutions:

- A set of **open data and interoperability requirements,** to be implemented by the institutions, in order to ensure that a minimum level of interoperability and preservation related requirements are met from early on. (http://hdl.handle.net/10442/8887)

- An **Interoperability Validation** service, institutions may use this service to test and validate, in an automated way, whether their digital assets complies with the interoperability and open data requirements as set within the framework of the work-programme. They can also test interoperability with major 3rd party national and international aggregation services like Europeana and run performance tests to check the level of openness related to their data. (http://www.epset.gr/en/SaaS_Services/Interoperability-Testing)

- A **Data Protection** Service, where institutions may deposit their digital assets and data in a trusted infrastructure, which will provide long term data integrity protection, as a prerequisite of long-term digital preservation, over a trustworthy Cloud infrastructure. (http://www.epset.gr/en/SaaS_Services/Safety)

In the poster details about the cooperation scheme of the Digital Convergence Operational Programme with EKT, the specifics of the two aforementioned services, interoperability and open data requirements details and program progress will be made available.