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Workshop title:

Interoperability of Persistent Identifiers Systems – services across PI domains

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Background: Trusted, unique, certified and persistent identification of digital resources is a crucial component of a durable research infrastructure and also of a future information society. A number of Persistent Identifiers (PI) technologies have been proposed for different types of objects and adopted by different user communities, but currently these systems are isolated and with different levels of service, though awareness on the need for dialog between them is raising.

The current situation where PI domains are isolated should be overcome and future scenarios and services stimulated. The current PI landscape is very fragmented and the PI domains work isolated de facto with serious problems and limits for the final users of Internet applications, so a coordinated effort is needed to stimulate cooperation among all PI user communities and identify the user needs and opportunities offered by a future scenario where each PI domain exposes and shares data in a common format with all the other PI domains, without changing anything for internal organisation and policy.

Workshop goal: The central goal of this second edition of the workshop on Interoperability of Persistent Identifier Systems (www.rinascimento-digitale.it/workshopPI2012) is to bring together representatives from different PI communities to discuss potential benefits for final users as well as challenges requirements and technologies to implement an effective interoperability solution for different PI systems and related services. Supporters of this workshop proposal and the experts in the programme committee represents large and significant PI user communities, other experts are pending.

A first section is devoted to users and to potential services and benefits for final users that could be built on such an interoperability framework. Participants are involved in the description of future user scenarios and potential applications of the PI systems, making evident user benefits and requirements.

A second section is focused on technical aspects regarding the implementation of an interoperability solution and related services. As a starting point for the technical discussion, the new Interoperability Framework (IF) for PI systems, proposed by the APARSEN project and refined by a large group of independent experts is described and a demonstrator is presented. The IF model is suitable to all the different user requirements and is adoptable by all PI user communities serves. Participants are invited to compare their requirements with the IF features and assumptions

confronting on various aspects of the model, potential benefits and concrete terms for a common roadmap for the implementation of the framework in order to create consensus on to develop joint applications cross-domains.

Representatives of the most relevant PI initiatives and different PI user communities are invited to report on current activities and vision, but also on possible approaches to define interoperability solutions and services and expose their position towards needs and opportunities of moving toward the implementation of an comprehensive interoperability technological solution for PI systems.

Main topics	Who should attend
• Services across PI-domains • Persistent Identifiers systems and policies • Digital preservation and trusted digital repositories • Cultural heritage and digital humanities • Long term policies for digital archives management	• Representatives of PI user communities • System integrators and developers • Cultural heritage administrators and managers • Digital humanities researchers and students • Funding agencies • Technology providers and developers