Proposal Abstract

The DataGRAIL project establishes an International Coordination Platform (ICP) whose twofold aim is to (i) shape the scientific data infrastructure community by involving stakeholders in Europe, the US, Australia and beyond and (ii) establish and operate several mechanisms for that community to identify common technology and policy interoperability frameworks and draft recommendations for interoperability of scientific data infrastructures. To achieve these objectives, the ICP will mobilize an international pool of experts from individual disciplinary research teams, global user communities of big research facilities, e-Infrastructure project consortia, and e-Infrastructure providers, as well as the data management system researcher community within computer science, the social sciences, and the fields of policy and law. The ICP will engage that community in several activities, including meetings where relevant ICT and policy/IPR interoperability challenges are debated and the writing of reports on major specific issues. It will also operate a Young Researcher Mobility program, which will fund the development of several EU-US joint prototypes (with participation from Australia and elsewhere as well). The output of all these activities will contribute to and validate the recommendations content and will leverage community building and knowledge cross-fertilization. After the end of the project, the ICP operated in its duration will formalize and concretize what is currently known as Data Access and Interoperability Task Force (DAITF). Based on the strong global networking activities performed in the GRDI2020 project, the experience with coordination of the OpenAIRE and OpenAIREplus projects, and the long collaboration with scientist from several disciplines, the DataGRAIL consortium has laid out a plan that will help shape up the next 10 years of efforts in creating scientific data infrastructures.