Contribution ID: **103** Type: **Presentations**

EGI Scientific Publications Repository and OpenAIRE Collaboration

Wednesday, 10 April 2013 14:30 (30 minutes)

Impact

The presentation is an opportunity for the wider community to understand potential policy changes to the way scientific publications are and will be collected in the future. Without the community's participation, the issues can not be resolved. Overall, this session will actively engage the community regarding the evolution of Scientific Publication Repository Virtual Team, present the final results and allow participants to gain knowledge about the latest developments with the OpenAIRE project and future plans.

Summary

The ultimate goal of EGI is to supports scientific communities with easy access to federated computational and storage capacity which enables them to address advanced challenges and hence benefit society as a whole. In order to demonstrate the scientific impact, it is of utmost importance to track all the scientific publications that have been possible thanks to EGI. Tracking the scientific outputs based on EGI has been always difficult because of the geographically dispersed communities that use the infrastructure and the lack of well-defined processes and tools. The Scientific Publications Repository Virtual Team was created in June 2012 to mitigate this issue by analysis and recommending policies, procedures and tools to improve the process of collecting scientific publications that used EGI resources for better demonstrating the EGI impact on science. This presentation present the results of this Virtual Team published in Nov 2012 including recommendations provided and follow-up work that has taken place with the OpenAIRE project.

URL

https://documents.egi.eu/document/1369 http://www.openaire.eu

Description

There are three main weaknesses that have been identified: 1) Researchers may not be aware that they are using EGI resources as being hidden by high-level services (e.g., scientific gateways), therefore they may lack the needed information to cite EGI; 2) Researchers may be aware of using EGI resources, still not citing EGI for lack of awareness of the importance; 3) Researchers may have cited EGI in their publications, but EGI has no mature processes and tools to collect the scientific publications. In order to improve the effectiveness of the above virtuous cycle, the VT recommended the adoption of several recommendations including a central tool to collect scientific publications connected to the infrastructure and liaison with the OpenAIRE initiative who has developed a portal and infrastructure to collect references to all scientific publications (and in the future related datasets) that are possible thanks to EC-funded projects. The VT interacted with the representatives of the OpenAIRE initiative and discussed a number of new features that can be implemented by OpenAIRE through their available funding to enable an infrastructure-oriented usage of the portal with both automatic and manual capabilities to populate the publication catalogue. The automatic capability envisions the possibility to define text-mining rules to analyse publications available in a growing number of repositories and publishers connected to OpenAIRE to match citations and extract desired relationships (e.g., pub-infrastructure, pub-VO, pub-scientific discipline). The manual capability enables a researcher to add a publication by simply inserting the Digital Object Identifier and select the relevant extra information. The OpenAIRE project is keen on implementing an initial set of EGI requested features by Feb 2013 and enabling a test phase so to roll out the new capabilities by Apr 2013. The role of EGI is to provide requirements and participate in the test phase.

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