

## **Widening the number of e-Infrastructure users with Science Gateways and Identity Federations**

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### *Abstract*

Grid infrastructures are being built in several areas of the world but, despite the huge investments made by the European Commission and by other funding agencies, both at national and international level, the total number of users grows slower than expected and it has remained quite constant since the last 12-24 months. The reasons for this, identified by the “eResearch 2020” study commissioned by the European Commission, are the complex Grid security, the little adoption of standards, and the lack of general frameworks to build easily customizable high-level user interfaces.

Recently, interesting developments have been independently carried out by the Grid community with the Science Gateways and by the National Research and Education Networks with the Identity Federations to ease, from one side, the access and use of Grid infrastructures and, from the other side, to increase the number of users authorised to access network-based services.

This presentation will show the work done to develop a framework to easily and quickly build Science Gateways which can be configured as Service Providers of Identity Federations and then potentially accessible by huge numbers of users. The advantages to create Identity Federations and Science Gateways in the Asia-Pacific region will be outlined.