

## ABSTRACT

### **Enabling Open Science publishing for Research Communities and Research Infrastructures**

The Open Science infrastructure for research in Europe delivers different kinds of dashboards that offers functionalities for viewing, accessing and managing the information graph from the perspectives of different actors: researchers, project coordinators, repository managers, funder officers and research managers.

Among its dashboards services, the infrastructure offers the Research Community Dashboard, designed to allow scientists of any research community working on top of a research infrastructure, initiative or project (not only well established infrastructures, but also long-tail communities that do not have a dedicated RI) to keep on using their tools and services, based on their workflows and best practices, while transparently taking advantage of a common portal, offering Open Science-oriented publishing tools.

The Research Community Dashboard facilitates Research Communities and Research Infrastructures adoption of Open Science publishing principles by supporting research products publishing tools as-a-Service. This Dashboard is a web application that provides researchers of a community the functionality to publish, aggregate, monitor and discover their research outputs in the infrastructure information graph, in order to maintain a fully-fledged view of a specific scholarly discipline.

The Research Community Dashboard is a virtual environment designed to:

- Implement the latest Open Science trends: FAIR data, open data
- Share all your research results: publications, data, software, methods
- Link all your research effectively
- Gather all your research results in one place
- Monitor and report your community's progress

The Research Community Dashboard services are being developed with the support of some key stakeholders from forward-looking research communities and infrastructures. On this infrastructure project there are five pilot communities and the collaboration with three national nodes of research infrastructures.

The service benefits for research communities are the following:

- **Community-oriented Open Science publishing tools**
  - Scientists can continue using RI services and publishing practices, but, if needed, can find support for publishing/interlinking any kind of products.
- **Collaborative curation of a community-specific scholarly communication information space**
  - Community information space to share, discovery, interlink, and reuse (reproduce) scientific results.
- **Community-oriented research impact and Open Science monitoring**
  - Reporting to funders, development of scientific reward strategies inclusive of all products of science.

In this proposal we intend to show the solution proposed in the infrastructure to the notion of “open science as-a-service”, detailing the Dashboard for Research Communities which is a service that is also part of the infrastructure service catalogue deployed in collaboration with other projects in the European Open Science Cloud.