

# **Digital Infrastructures for Research 2018**

**Tuesday, 9 October 2018 - Thursday, 11 October 2018**

**Lisbon**

## **Scientific Programme**

The Programme Committee welcomes abstracts of the following types:

**Lightning talk** 7 minutes presentation, strictly timed.

**Presentation** 15 minutes oral presentation + 5 minutes for questions

**Demo** A maximum of 9 demos will be allocated

**Poster**

**World Cafe Session** These are sessions extending 1h30m which could be in the form of classical workshop-style series of talks (covering a particular project or topic). Examples are Community based solutions, e-infrastructure design, and technical solutions oriented to remove user adoption barriers.

**Training Sessions** of training on usage of innovative services are foreseen (1h30m slots)

**Provocations** A debate led either by a single speaker, or as a 'head-to-head', that is two co-speakers and a moderator, resulting in active participation of the audience and targeted feedback and ideas from an expert audience on a given topic. See <http://ieec.co.uk/provocations> as an example.

Full text of the **Call for Abstracts (PDF)**

## **Area 1. Cross-Domain challenges / Data exchange across domains: researchers, technologist and policy makers perspectives**

Technology: architectures, platforms, tools, standards and other ICT related initiatives enhancing intra-domain and cross-domain interoperability;

Data transport and networking across e-infrastructures;

Data and metadata: promotion and adoption of tools and techniques for cross-standard and cross-format interoperability

Enablers of interoperable systems within and/or across communities

Organization: provision of legal and organisational frameworks commons

## **Area 2. Data science and skills**

The EC's Open Science Skills Working Group Report defines Open Science skills as needs for researchers to be able to publish under open access, to manage (open) data, to conduct professional research and engage with citizen science (<http://ec.europa.eu/research/openscience/index.cfm>).

These Open Science skills follow the research life cycle and cover design and setting up research data, data production, management, analysis, open access publishing and other ways to act in and beyond one's own scholarly and disciplinary community, up to interaction with the general public to enhance the impact of science and research.

## **Area 3. Computing and Virtual Research Environments**

This area covers innovation and interoperability in scientific computing, and tools and applications for the development, creation and provisioning of scientific applications and Virtual Research Environments (VRE) and their key enabling technologies.

We look for contributions addressing distributed data and computer intensive research based on HTC, HPC, Cloud IaaS, PaaS and SaaS, and community-specific scientific applications and tools. We would like to investigate how research and education can realise the full potential of these.

## **Area 4. Security, trust and identity**

This track will provide the platform to discuss security and trust & identity aspects. It will offer an opportunity for e-infrastructures, research infrastructures and communities to present their experience with IT security management, security policies, best practices, user experience and approaches to support researchers' needs.

## **Area 5. Digital Infrastructures for EOSC and/or EDI**

The European Open Science Cloud (EOSC) and the European Data Infrastructure (EDI) are two high-level initiatives of the European Commission that are intended to maximise the incentives for sharing, exploit data as widely as possible, across scientific disciplines and between the public and the private sector by interconnecting the existing and the new data infrastructures across Europe.

Submissions for this track should report about Digital Infrastructures that deliver science discipline specific and/or generic capabilities for Open Science, and are planning to federate services into EOSC and/or EDI.

The presentations should highlight the opportunities and challenges that the infrastructures see in offering services through the future EOSC & EDI systems.

## **Area 6. Business models, sustainability and policies**

Long-term access and provisioning of services require clear governance, engagement rules, policies and funding models. European and National coordination, Submissions should focus on the barriers, opportunities and changes in this environment in order to address the non-technical pressures, for example social, financial, legal and policy that influence the present and future opportunities.

## **Area 7. Innovation in Open Science with SMEs and Industry**

The purpose of the track is to provide a platform for discussion and exchange of experiences among Research Infrastructures and business organizations to stimulate the innovation potential of research infrastructures, SMEs/industry, and other innovative actors.

### **Lightning Talks**

### **Posters**

### **Demos**

### **Trainings**