



## Digital Infrastructures for Research 2017 (DI4R 2017)

30 November - 1 December 2017

Brussels, Belgium

***Connecting the building blocks for Open Science***

[www.digitalinfrastructures.eu](http://www.digitalinfrastructures.eu)

### Call for Abstracts

Call for Abstracts opens:	11 September 2017
Deadline for submissions:	13 October 2017, midnight CEST
Notification for acceptance:	26 October 2017

The second **Digital Infrastructures for Research Conference** (DI4R 2017) is to be held in Brussels, on 30 November - 1 December 2017. It will take place at the Square Meeting Centre, and organised jointly by EGI, EUDAT, GÉANT, OpenAIRE, PRACE and RDA Europe.

DI4R 2017 will showcase the policies, processes, best practices, data and services necessary for the support of the research process to ultimately advance scientific knowledge and open science.

These areas will be the building blocks of the European Open Science Cloud (EOSC) and the European Data Infrastructure (EDI), two major initiatives of the European Commission

intended to promote data sharing and data exploitation across scientific disciplines and between the public and the private sector by connecting existing and new data infrastructures across Europe.

The Programme Committee invites researchers, innovators, data producers, scientific domain experts, librarians, data science practitioners, service providers, project leaders, policy makers and funders to bring their voice to DI4R 2017.

Following the [EOSC-pilot Stakeholder Engagement Event](#), DI4R will be an opportunity to report and discuss requirements, existing solutions and success stories that highlight the relevance of open science building blocks. By bringing together many different stakeholders, the conference will foster cooperation between projects, communities and initiatives.

## **Types of submissions**

All open science players are invited to send proposals for contributions on requirements, developments, success stories and gap analyses in the form of:

- presentations
- lightning talks
- interactive sessions
- posters
- demonstrations

## **Topic areas**

The following areas are envisaged as relevant for the choice of the topic(s) of the abstracts:

### **Area 1: Interoperability**

This area will focus on topics related to the interoperability between services from different infrastructures and initiatives at different levels (local, national, international), including:

- architectures enabling interoperability,
- protocols and standards for interoperability
- data and metadata interoperability.

The topic also includes items related to provisioning of federated services for research in Europe and beyond, enabling interoperability at all levels: human, organisational and policies.

### **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.

These 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. Can you contribute to...

- What open science training is already available, what is needed to share this expertise?
- How can training be implemented in the curriculum of researchers? What could or should be the role of universities and research funders?
- How can we raise awareness among researchers on Open Science practices and behaviour?
- To what extent and how can we provide training for professional support staff for researchers (data stewards, IT technicians, data scientists, legal experts, discipline specific data managers and librarians)?
- How can we realise outreach and connect with professionals and citizens outside academia?

We are looking approaches, methodologies, initiatives and needs to establish the data science profession, to increase data science literacy and develop skills for the use of advanced digital services for data-driven science.

### **Area 3: Impact evaluation and metrics**

Measuring the progress of the Open Science adoption and its growing impact is vital for decision-making and funding processes. Metrics are also a reward to scientists for making their work understandable, accessible and reusable by the scientific community. This reward will greatly help to encourage the open science movement. Are you...

- A scientist who has spent additional time to make your data reusable?
- A data scientist who has exploited Open Data?
- An infrastructure that proposes Open Data and/or Services?
- Funding an open science initiative?
- Working on the next generation of indicators and metrics?
- Offering new services in this field?

We want to hear from you. Successes, trials and ideas are all welcome!

### **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 to present their offer to support researchers needs and to report on best practices and technical aspects that help new research infrastructures to build interoperable authentication and authorisation infrastructures.

We invite representatives from research collaborations and research infrastructures to submit papers about:

- Trust and identity use-cases and how they are addressing them.
- Gaps in the current services offering

- Risk assessment as part of the implementation of an Information Security Management System
- Security in Big and Open Data especially within the e-infrastructures
- Trust assessment and interoperability for global collaborations, comparative policy frameworks, and maintaining assurance across identity bridges

### **Area 5: The EOSC & EDI building blocks**

Proposals submitted for this area should focus on the development and provisioning of services and solutions needed to enable researchers to securely collaborate and share resources in a federated environment combining geographically distributed services from multiple providers and further the opportunities of Open Science.

Submissions should highlight:

- Thematic building blocks to the EOSC: how are Research Infrastructures, communities of practice and research projects coming together to jointly provide services to the EOSC?
- Common building blocks
  - ✓ Data storage, deposition, management, curation, preservation, data access & reuse
  - ✓ Advanced computing: Cloud, High Throughput Computing, High Performance Computing, scalable processing of big data for third-party analysis
  - ✓ Findability, accessibility and use of services
  - ✓ Scientific applications and workflows, software
  - ✓ Open scholarship services and tools
  - ✓ Data management plan tools
  - ✓ Service management processes and tools

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

Long-term access and provisioning of services require clear governance, engagement rules, policies and funding models. 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.

## **Instructions for submission**

Contributions will be selected based on the following criteria:

- relation to the conference areas
- benefit for specific research projects, collaborations and researchers in specific scientific domains and/or multi-disciplinary science, higher education and industry/SMEs
- leverage and fostering of cross-collaboration
- contribution to the adoption of the FAIR principles

- support for the adoption of open science throughout the research process
- contribution to long-term sustainability of the EOSC and EDI building blocks.

We invite the submission of abstracts in the following types of contributions:

- **5-minute lightning talks**
- **posters**
- **demos**
- **single presentations** (15 minutes)
- **interactive sessions\*** (90 minutes)

\* If you choose to submit an abstract for an interactive session, please provide an overview of the structure you envision for your session. Will it include a panel? Will there be presentations? How will the interaction be organised? List any contributors that have already committed themselves. Avoid a structure that would turn the session into a mini-conference.

Abstracts should be concise (limit of 500 words) and provide/describe:

- Overview of the proposed presentation / session / poster / demo
- How does your submission address the conference themes of the conference?
- Who is the intended audience for your presentation/session?

Additional fields are provided for Session and Demo submissions.

**The online platform to submit abstracts is available at:**

<https://indico.egi.eu/indico/event/3455/call-for-abstracts/>

## Conference schedule

DI4R 2017 is a 2-day event, starting on Thursday 30 November and finishing on Friday 1 December 2017. The formal programme will commence on Thursday 30 November at 09:00, with the opening plenary followed by parallel sessions. The closing plenary will be on Friday 1 December 2017.

The event will take place at the same venue as the [EOSC-pilot Stakeholder Engagement Event](#), which will be held on 28 & 29 November 2017.

The conference registration fee covers attendance on both days. All participants to DI4R are invited to a welcome evening cocktail on the 29 of November at SQUARE in Brussels, organised by the EOSCpilot project as part of the event.

## The Programme Committee

### Programme Committee Chair

- Franciska de Jong, CLARIN ERIC

## **Programme Committee Members**

- Ari Asmi, ENVRI+
- Daniele Bailo, EPOS
- Florian Berberich, PRACE (organiser)
- Juan Bicarregui, RDA Europe (organiser)
- Niklas Blomberg, ELIXIR
- Ron Dekker, CESSDA
- Tiziana Ferrari, EGI (organiser)
- Giuseppe Fiameni, EUDAT (organiser)
- Fosca Giannotti, SoBigData
- Giovanni Lamanna, CTA
- Erik Lindahl, SciLifeLab
- Tommi Nyrönen, CORBEL
- Pasquale Pagano, BlueBRIDGE
- Jean François Perrin, ILL
- Stelios Piperidis, OpenMinTeD
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- Cathrin Stover, GÉANT (organiser)
- Hannes Thiemann, ENES