

ICDI contribution to the EOSC

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with



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Italian Computing and Data Infrastructure



Forum created by representatives of the major Italian Research Infrastructures and e-Infrastructures (bottom-up approach)

Goals:

- promoting synergies at national level
- optimizing the Italian participation to European and global challenges, including the European Open Science Cloud (**EOSC**), the European Data Infrastructure (**EDI**) and **HPC**.

Current status:

- ICDI is regulated by a **MoU** currently signed by 23 Institutions but open to the participation of other organisations.
- The Italian Ministry of University and Research (MUR) acts as observer.
- Governed by an Executive Board

<https://www.icdi.it/en/>

Italian Computing and Data Infrastructure



- The process of establishing ICDI as a legal entity (Association) is undergoing
- One of the four founding members of the **EOSC Association** and now **designated Mandated Organization for Italy** (currently represented by GARR)

Main activities:

- Regular meetings among its members to discuss topics of common interest, promote synergies and coordinated actions at both national and European level (e.g. coordinated participation to Horizon Europe calls)
- Survey of the activities at the Italian infrastructures on SARS-Cov-2 and COVID-19 → results submitted to the Italian Ministry of Research, the EOSC Governing Board and ESFRI
- Competence Center for EOSC
- Task Forces to set up a national Cloud Infrastructure and a Data Lake



ICDI Competence Centre for EOSC

Mission

Create a **network** of experts, initiatives and research infrastructures with functional skills to support the national community for **Open Science**, **FAIR** principles and to facilitate and empower the participation of the Italian research community in the **EOSC**.



Legal
and
Ethical



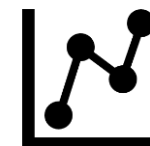
Policies
and
Strategies



Sector
specific



Open
Access



RDM
FAIR
DMP

Important contribution to the new Horizon Europe project **Skills4EOSC**

Competence Center Activities



Training



Guidelines and best practices



Support and advice



Making various services and tools based on the emerging needs of the community available



Management and editing of the ICDI-CC resource catalogue.

Numbers and Features

5 Courses delivered since february 2021



Community designed approach



Specific for career level



RIs involved in design and delivery



400+ researchers trained



Open Science Café series



1550 participants in 12 events



Other important ongoing activities

The Italian Federated Cloud:

- **Italian Federated Cloud Platform Task Force (FCP-IT)**, launched in June 2020 to develop a strategy and identify adequate technical solutions to achieve the creation of a **federated cloud dedicated to research at a national scale**

Data Lake for the Italian research ecosystem:

- **ICDI Data Lake TF** has been set up to study how to implement a data lake to facilitate data sharing and promote cooperation among the ICDI communities

Prototype of a national catalogue:

- developed within the EOSC-Pillar project
- will be used in a EOSC Future pilot to test its interoperability with the EOSC catalogue, bidirectionally i.e. pushing records into the EOSC catalogue and pulling records from it





Thanks for your attention

Any questions?