



# The EGI-ACE Data Spaces

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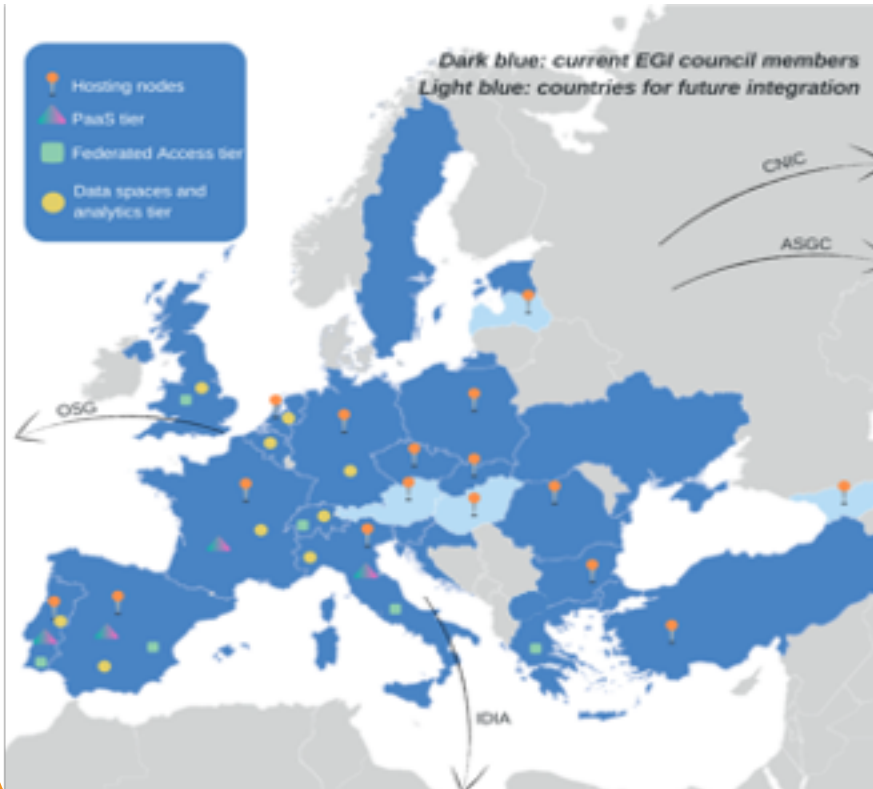


EGI-ACE receives funding from the European Union's Horizon 2020 research and innovation programme under grant agreement no. 101017567.

- EGI-ACE Project
- Methodology to support Data Spaces
- FAIR maturity
- Training & Support

# EGI-ACE = EGI H2020 flagship project because...

## EGI Advanced Computing for EOSC (European Open Science Cloud)



### Consortium:

- Coordinator - EGI Foundation
- 33 Partners, 23 third parties

### Services:

- EGI Services for Research
- EGI Services for Federation
- EGI Services for Business

### Scope:

- 49% service delivery (Virtual Access)
- Co-development of services with research communities
  - Data Spaces

### Duration:

- Jan 2021 - June 2023 (30 months)

# EGI-ACE service delivery activities



**Data Spaces and Analytics**  
Data and thematic data analytics and processing tools

**Platforms**  
generic added-value platform level services

**Federated Access**  
Federation-wide management of data and computing

**Federated Resources**  
Compute and storage facilities

Service Management, Tools, Processes, Policies

Thematic application services (incl. Data Spaces)

Platform services

Infrastructure services

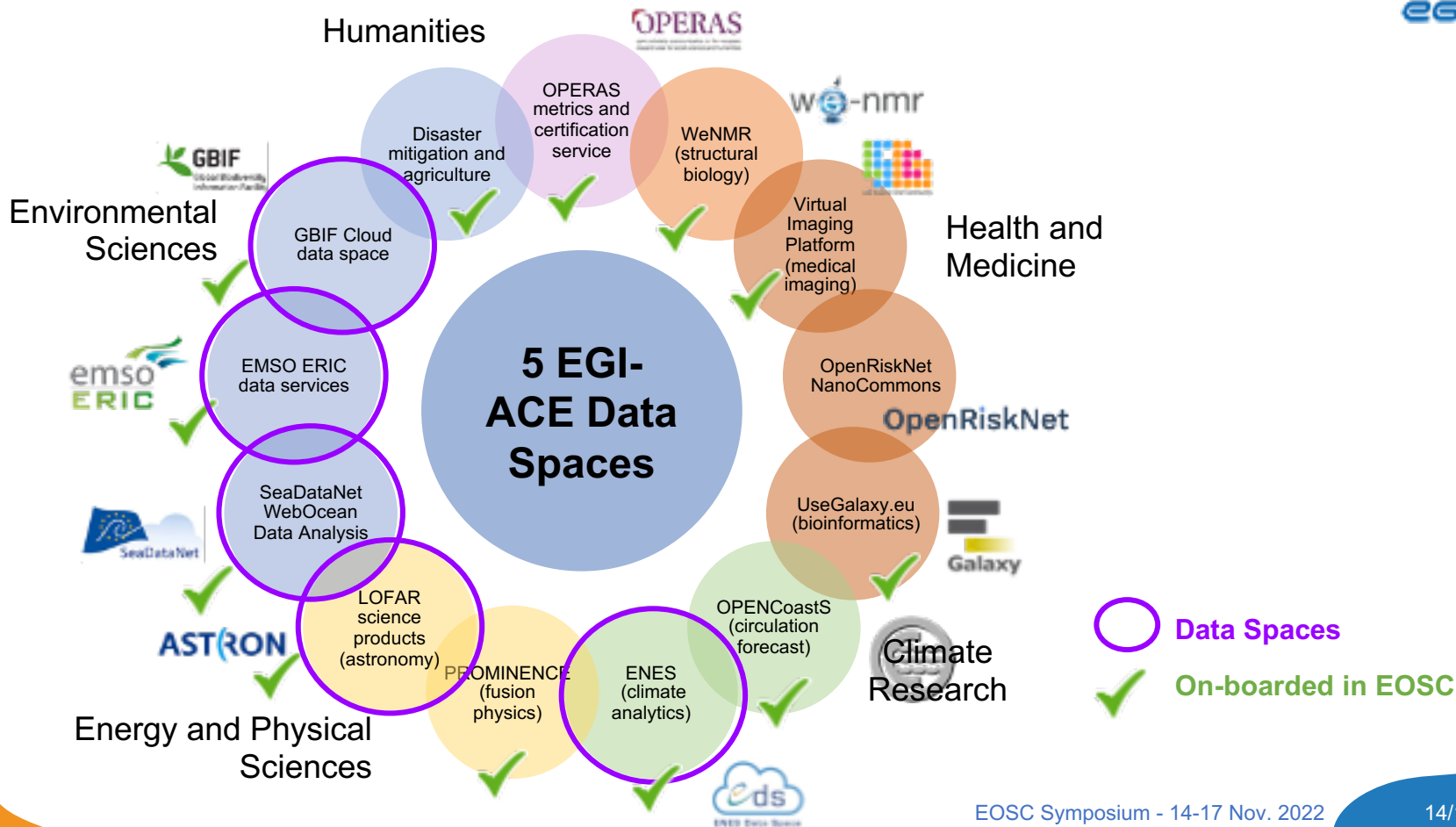


Scientific users



ICT users

# Data Spaces among the Thematic Services



# Methodology to support Data Spaces in EGI-ACE

WP5



- Integration with compute and platform services
- Onboarding to EOSC
- Training and support for end users

WP5

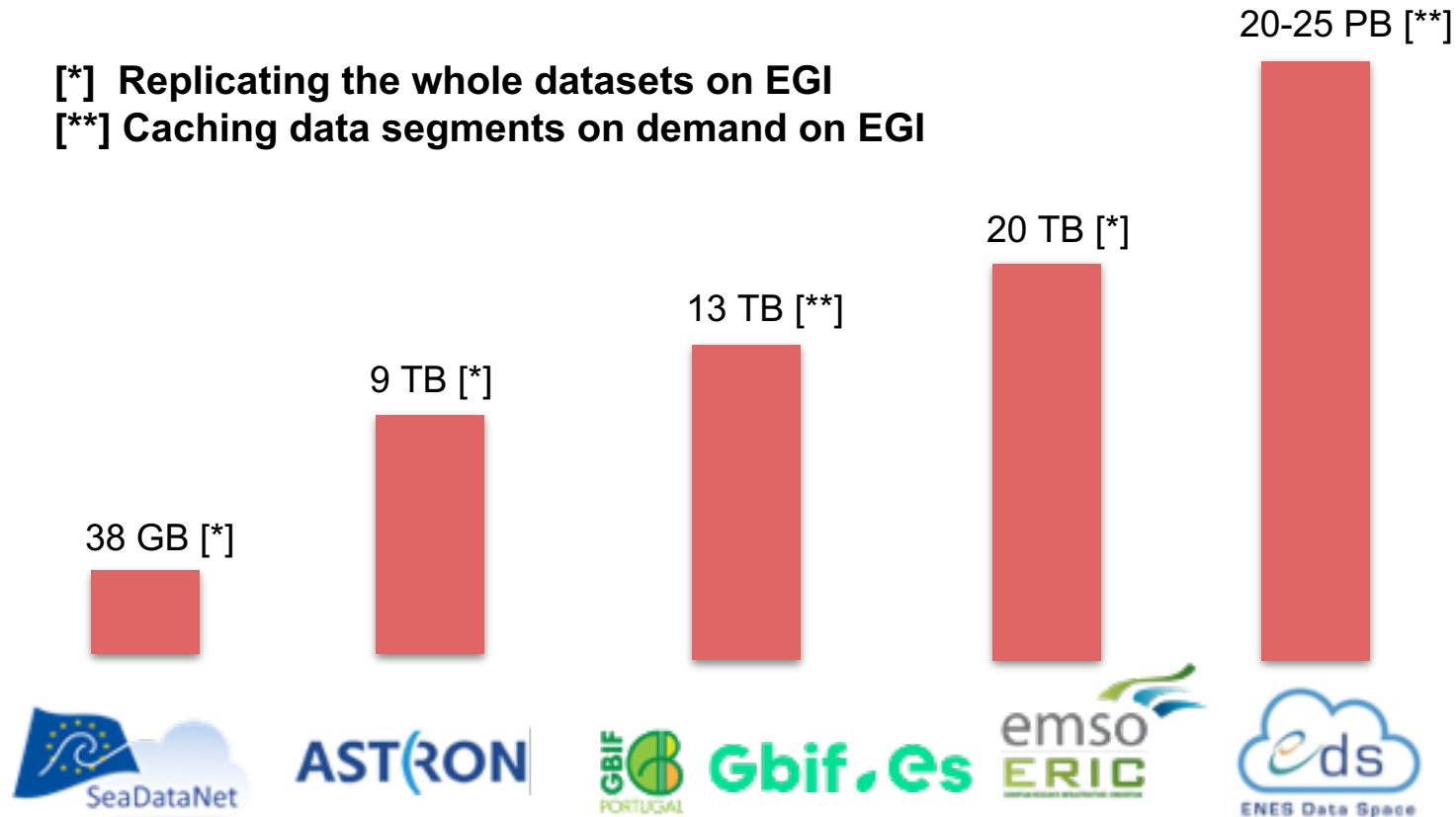


# Open Research Data served by the EGI-ACE Data Spaces



Data volume served  
by the Data Space

[\*] Replicating the whole datasets on EGI  
[\*\*] Caching data segments on demand on EGI



## FAIR Data Maturity Model: specification and guidelines from the [RDA FAIR Data Maturity Model Working Group](#)

The FAIR Data Maturity Model includes **47 Indicators**:

- **3** priorities for each Indicator: **Essential**, **Important** and **Useful**
- Each Indicator can be evaluated as **TRUE**, or **FALSE** for the object that is in the focus of the assessment.

Data Space	Findability (F)	Accessible (A)	Interoperable (I)	Reusability (R)
GBIF	100% Compliant	100% Compliant	86% Compliant	100% Compliant
ENES	71% Compliant	91% Compliant	100% Compliant	100% Compliant
LOFAR Science Project	100% Compliant	100% Compliant	57% Compliant, but working on it	78% Compliant
EMSO ERIC	100% Compliant	91% Compliant	14% Compliant, but working on it	66% Compliant
SeaDataNet	100% Compliant	100% Compliant	100% Compliant	100% Compliant

**(NEW!)** FAIR Data Maturity Assessment at M24 (IN PROGRESS)



- **8 training events** were organized by the Data Spaces, with focus on domain researchers:
  - **3** by LOFAR
  - **4** by ENES, and
  - **1** by EMSO-ERIC
- **2 webinars** were organized: <https://www.egi.eu/trainings-and-webinars/>
  - The ENES Data Space
  - WebODV Online extraction, analysis and visualization of SeaDataNet and Argo data
  - LOFAR Science Products (planning)



# Thank you!

Contact: [egi-ace-po@mailman.egi.eu](mailto:egi-ace-po@mailman.egi.eu)

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