



Demonstration: EMSO ERIC Data Management Platform



eosc-hub.eu



@EOSC_eu

Dissemination level: Public

Disclosing Party: Project consortium

Recipient Party: European Commission



EMSO ERIC was constituted on September 29, 2016 (EU Official Journal L268/59 October 1st, 2016)

1 CENTRAL HUB AND 11 INTERLINKED
FIXED POINT MULTI-SENSORS PLATFORMS

EXCELLENCES

Delivering standardised: services, data process, scientific results.

High level of **INTEGRATION** among 11 multi-sensor platforms and 17 European institutions

Common access policy and a single point of access for all users

User programme designed to absorb capacity of the RI

ADDED VALUE compared to the value of a single research cooperation network

JOINT INVESTMENT STRATEGY to strengthening EMSO ERIC through its regional facilities/test sites and common and shared services

EMSO ERIC

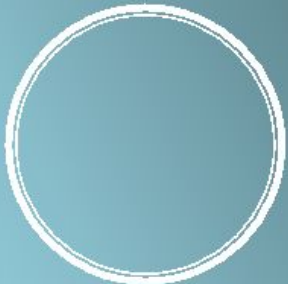
DISTRIBUTED RESEARCH INFRASTRUCTURE



MISSION



To establish a comprehensive and smart sensor system in water column, seafloor, and sub-seafloor environments as part of the integrated and sustainable organization EMSO ERIC



Global ocean
warming and
acidification



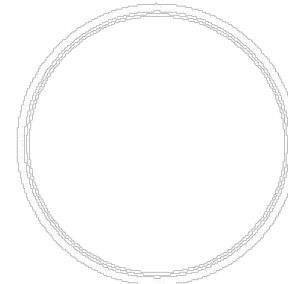
Impact and
sustainability of
Marine Resources
exploitation



Real-time
observations and
early warning
systems for
earthquakes &
tsunamis



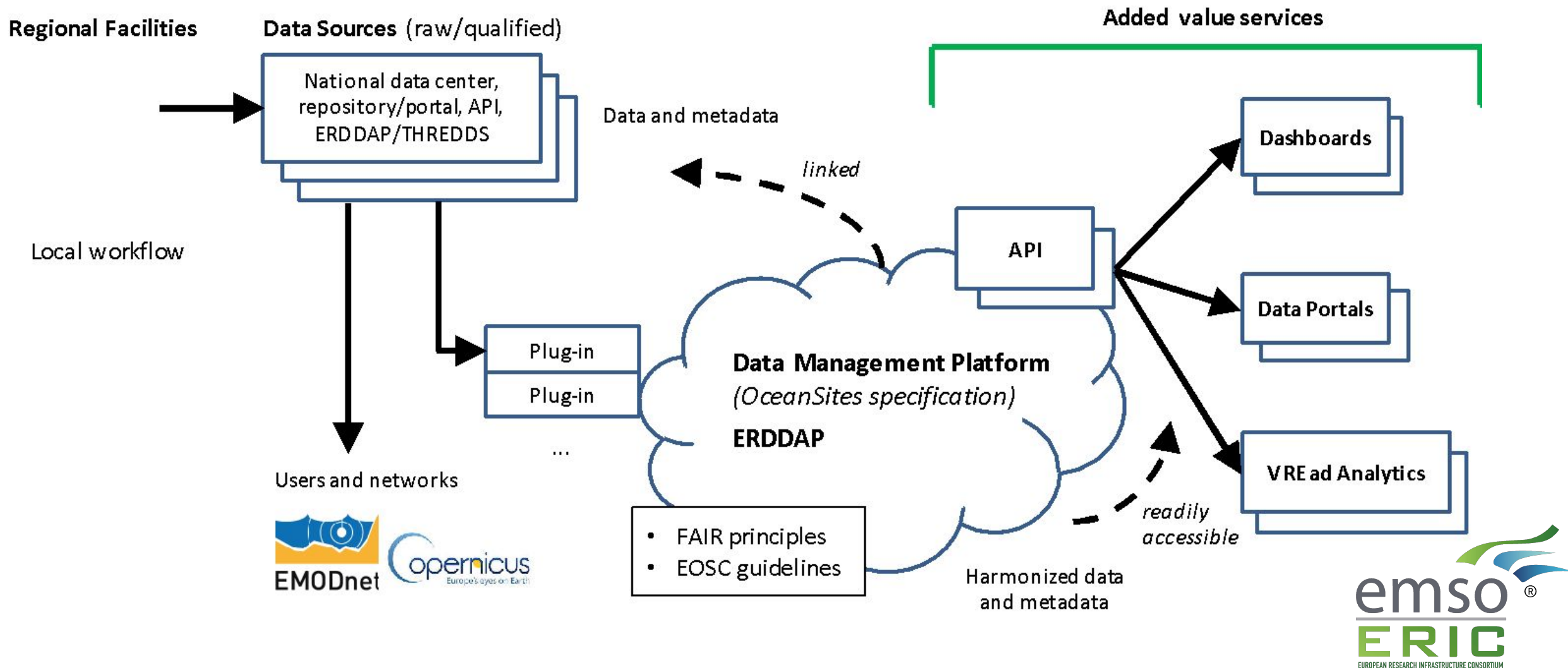
Marine Ecosystems
and Climate Change
mitigation



Earth interactions
hydrosphere,
biosphere,
lithosphere,
atmosphere



Access HIGH QUALITY MARINE ENVIRONMENTAL DATA



Resources

- EGI Cloud Compute service (Openstack services at CESGA and RECAS-BARI)
- EGI Online Storage

Technical Plan

- Transitioning the EMSO ERIC data management platform to pre-production
- Integrating federated identify management - EGI AAI Check-in service
- Registration of EMSO ERIC data API in the EOSC Portal Marketplace

Ongoing (EGI-ACE)

- *Enabling EOSC-hub monitoring service*
- *Enabling EOSC-hub accounting service*
- *Integrating sensitive data service: OpenAIRE Amnesia*

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**Thank you
for your attention!**

Questions?

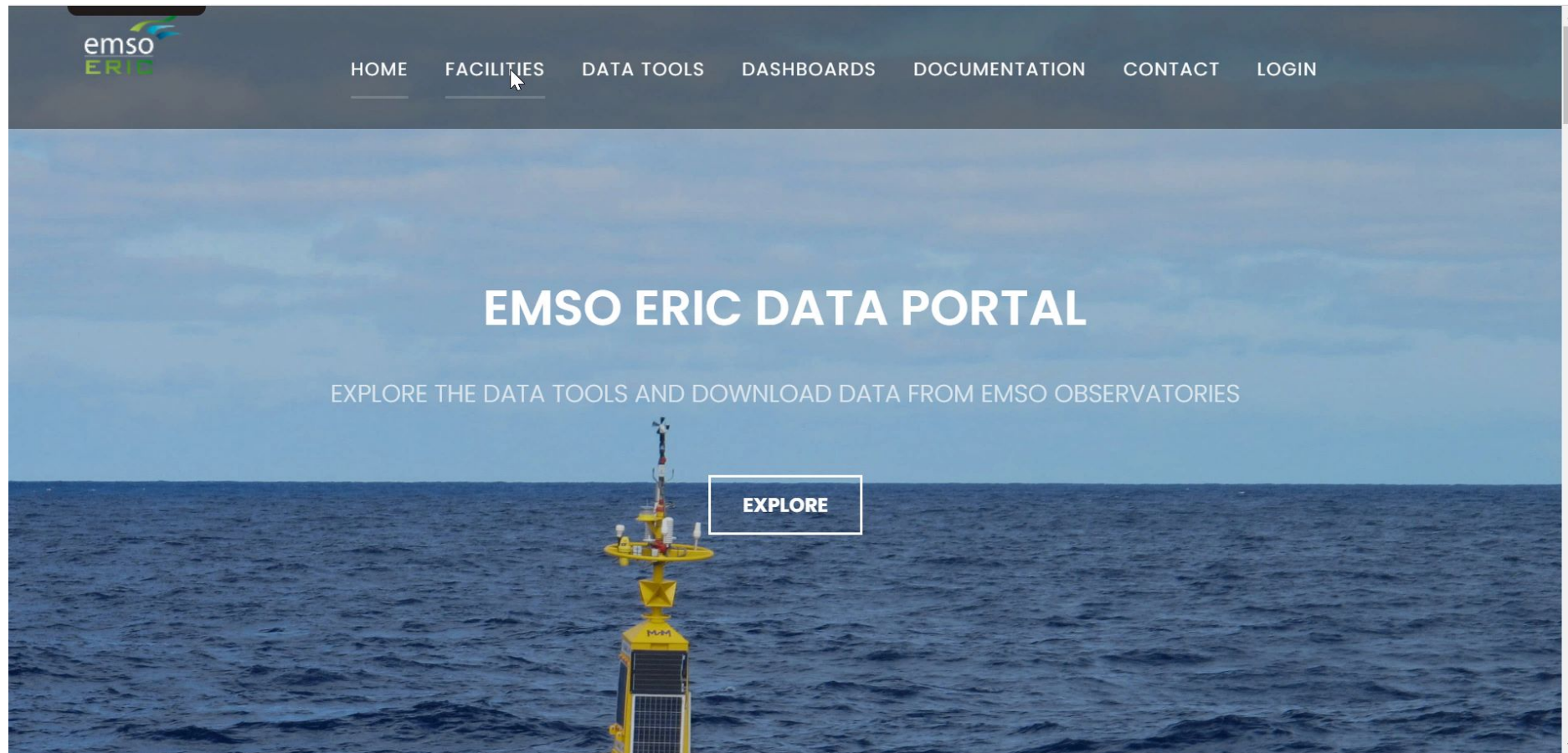


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<https://data.emso.eu>

<https://marketplace.eosc-portal.eu/services/emso-eric-data-portal>

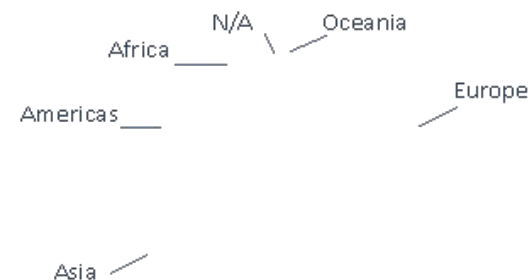
One Year of Operations (pre-production, Q2/20-Q1/21)

85 Countries

1243 Distinct users

3881 Page views

9693 Requests



1. China
2. Italy
3. Spain
4. France
5. United Kingdom
6. Portugal
7. United States
8. Pakistan
9. Japan
10. Others