

A hand is shown holding a glowing blue wireframe globe. The globe is composed of many small, interconnected triangles, creating a mesh-like structure. The hand is positioned over a laptop screen, which is partially visible in the background. The overall scene is set against a dark, blurred background, suggesting a professional or technological environment.

OPEN DATA & OPEN KNOWLEDGE Workshop



OCRE

Open Clouds for Research
Environments



Enabling researchers with bespoke
EO tooling and high-performance
consumable services.



Dave Heyns
GÉANT



coeosc



Funded by
the European Union



“Landing a man on the moon required both an extremely capable public sector and a purpose-driven partnership with the private sector.”

Mariana Mazzucato, *Mission Economy: A Moonshot Guide to Changing Capitalism*

Professor in the Economics of Innovation and Public Value at University College London



Project Ambitions

➤ Cloud based digital services –

1. Ease of consumption by European Research community
2. Construction of supporting procurement framework – *Individual contracts*
3. Significant research focused concessions from Market – *Global aggregation*
4. Drive visibility and awareness
5. Promote adoption via EC funding initiative

➤ Earth Observations services

1. Stimulation of SMEs (*European Digital Market*)
2. Drive visibility of EO market (Copernicus + value added services)
3. Promote adoption of EO services via EC funding initiative



Project Outcomes

- OCRE Cloud Framework
 - 1100 bids from market
 - 473 framework contracts across 40 countries (10,000 institutes)
 - 37 cloud platforms represented
 - Minimum of 9 platforms per country/Maximum 17 platforms per country
 - Contract management transferred to GÉANT project
- OCRE Cloud Catalogue <https://www.ocre-project.eu/services/cloud-suppliers>
- OCRE EO Catalogue <https://www.ocre-project.eu/eo-catalogue>
- €8.5 Million in adoption funding distributed (both service types)
- >>> HEARING the European Research Community 



Hearing the researcher!

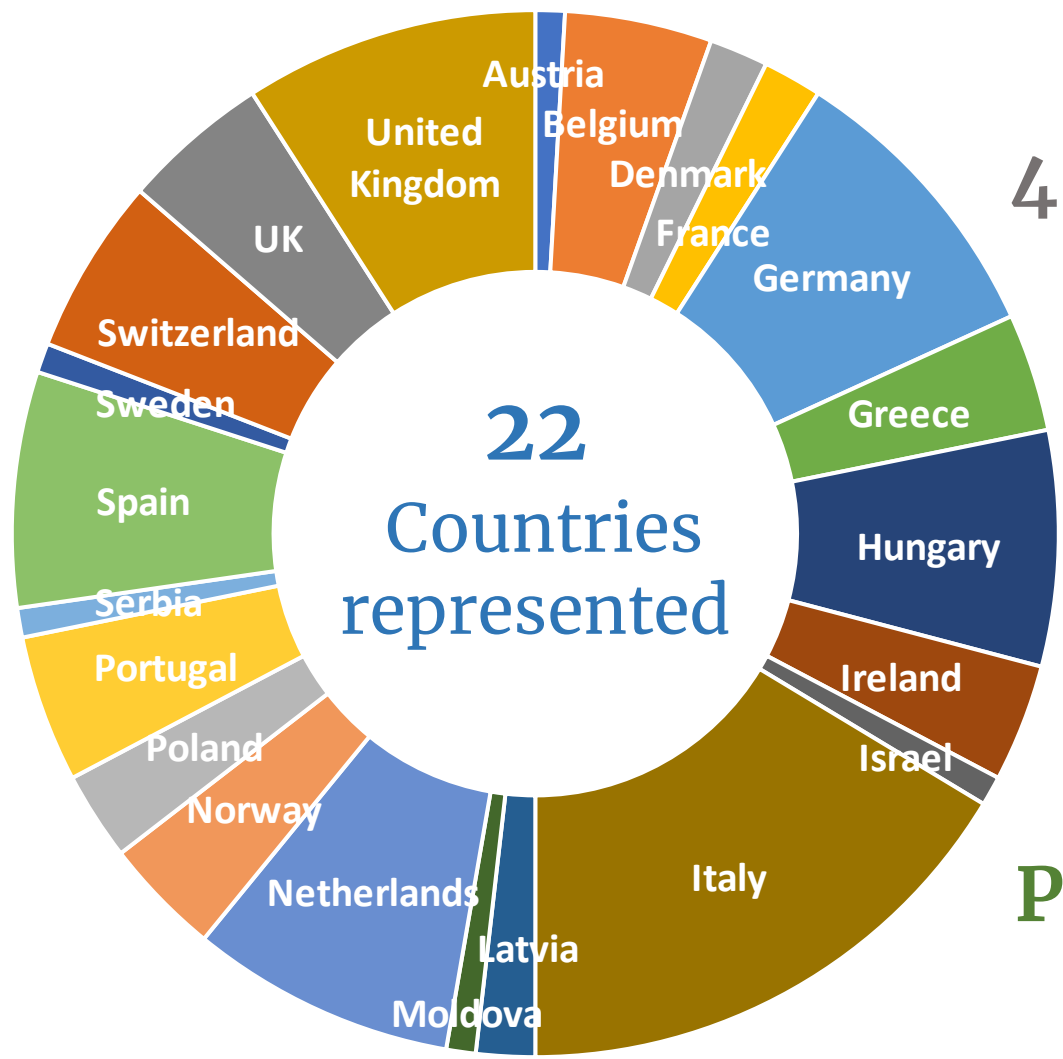


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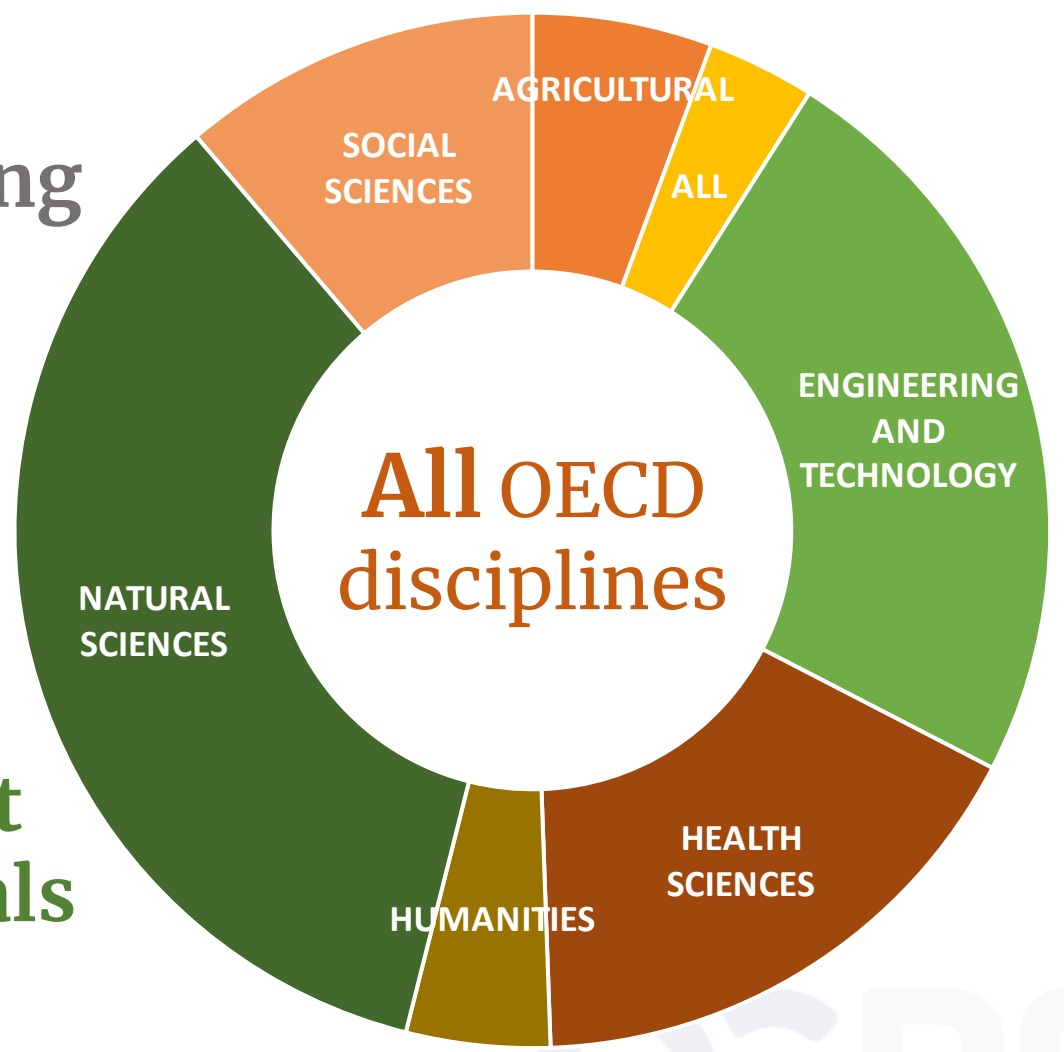
Cloud adoption funding calls

Commercial Cloud and EO services






4 Funding Calls

120 Project Proposals






 **Hochschule Anhalt**
University of Applied Sciences

ACDS Anhalt Center for Data Science


Quantifying war damage in
Ukraine based on EO data (impact
to global food production)




 **UNIVERSITÄT
SALZBURG**

Sentinel-2 Semantic Data &
Information Cube

 Earth Observation Data
Centre GmbH

 **CRS4**
IDEAS BECOME LIFE



A methodology based on aerial and
satellite data for the preliminary
study of Sardinian Nuragic sites



Technische
Universität
München





Supporting World Water Quality
Assessment projects using a cloud-
based near-real time and historic EO
data service



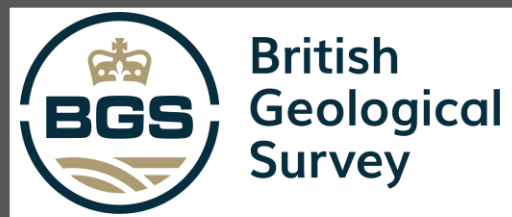
CryoSat-2 SAR SARin SAMOSA
Consensus Processing



Near real time lake and river monitoring



Derivation of green indicators of human well-being



British and Canadian paraglacial coastlines



Project Legacy

➤ Cloud based digital services –

1. IaaS++ procurement framework and catalogue – *Institutional contracts*
2. Significant research focused concessions from Market – *Global aggregation*

➤ Earth Observations services

1. Stimulation of SMEs (*European Digital Market*) and visibility of EO market (Copernicus + value added services)
2. Promote adoption of EO services via EC funding initiative



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