The game changer of Cloud and EO commercial services usage by the European research community

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Will stimulate the adoption of commercial cloud and Earth Observation (EO) services by the European research community.

As part of the European Open Science Cloud.

Through a tender resulting in framework agreements with suppliers, which research institutions can use to buy resources.

By making available **9.5 million EURO in cloud adoption funds** from the EC, for the research community to use.
European Open Science Cloud

- Europe is the largest producer of research data in the world.

- The EC wants to increase the use of this data and interconnect research IT infrastructures through the European Open Science Cloud.

- OCRÉ is part of the European Open Science Cloud and receives funding from the EC under grant agreement no. 824079.
Why OCRE?

- Cloud and Earth Observation (EO) based services offer the European Research community a wealth of powerful tools.
- But for many researchers, these are currently out of reach.
  - It is difficult to find and select suitable services.
  - Establishing agreements with providers and ensuring legal and technical compliance requires specialist skills and takes an inordinate amount of time.
- Equally, service providers have difficulty reaching and meeting the needs of the research community in technical, financial and legal areas.
RESEARCHERS

*Easy adoption*

- Incorporate commercial digital services into their activities
- Service discovery and acquisition

SERVICE PROVIDERS

*Easy delivery*

- Reach and meet the needs of the research community
- Meet legal, financial and technical requirements

OCRE will drive adoption of digital services and close the gap between the supply and demand sides
Scope

Stimulate the adoption of:

- IaaS, PaaS and SaaS commercial cloud offerings.
- Earth Observation commercial services, which leverage EU DIAS platforms (Data and Information Access Services), where the Copernicus Sentinel data is stored.
OCRE USER CATEGORIES

INDIVIDUAL RESEARCHERS

INDIVIDUAL INSTITUTIONS

GROUP OF INSTITUTIONS (BUYER GROUPS)
<table>
<thead>
<tr>
<th>Wave</th>
<th>Type A services</th>
<th>Type B services</th>
<th>Total for each wave</th>
</tr>
</thead>
<tbody>
<tr>
<td>WAVE 1</td>
<td>1.475M</td>
<td>0.975M</td>
<td>2.45M</td>
</tr>
<tr>
<td>WAVE 2</td>
<td>1M</td>
<td>1.5M</td>
<td>2.5M</td>
</tr>
<tr>
<td>WAVE 3</td>
<td>2.25M</td>
<td>2.25M</td>
<td>4.5M</td>
</tr>
</tbody>
</table>
EO Requirements gathering from the research community and input from suppliers

- Dedicated Webinars
- Participating in conferences and user consultations.
- EARSC community: European Association of Remote Sensing Companies
Online Surveys – question Polls

#OCRE poll for #researchers and users of #EarthObservation #Cloud Services:
How much of your #research is based on #EO #satellite #data processing or derived information?
Give us your inputs on the services you would like to see in the #EOSC: bit.ly/2QddSa1 #GIS #mapping

- 44% 0-25%
- 11% 25-50%
- 11% 50-75%
- 34% 75-100%
Online Surveys - Questionnaires

- **Researcher**
  - **Earth Observation User Survey**: Help source the EOSC’s future digital EO services for researchers from commercial providers
  - **Provide Input**

- **Service Provider**
  - **Earth Observation Supplier Survey**: Give your services more visibility and have the chance to be included in the European Open Science Cloud
  - **Provide Input**

Raffle among participants
EO requirements gathering total participation

19 EU countries involved

Covering all 6 main domains with 25 Research subdomains

70+ Participants
Processing resources

Current processing resources employed

- **GEE**: 12.5%
- **Own cluster**: 25.0%
- **Cloud**: 18.8%

Own desktop: **43.8%**
Requested services

- EO processing: 26.3%
- Data sharing: 15.8%
- Catalogue services: 10.5%
- User service hosting: 21.1%
- Processing power: 26.3%
OCRE supporting research against COVID-19

Application deadline extended until 8th May 2020
Stimulating uptake of cloud services

- OCRE started to distribute vouchers to encourage more researchers to use commercial cloud through CloudSigma IaaS vouchers.
- Distribution is still ongoing through OCRE and partners EOSC-hub, EURODOC & Marie Curie Alumni Association.

**Additional adoption funding/vouchers for EO services will be distributed after OCRE completes its tender for digital EO services this year!**

**€98,000**
EARMARKED FOR DISTRIBUTION UNTIL MID-2021

**€37,000**
ALREADY DISTRIBUTED TO RESEARCHERS

**€10,000**
ALREADY DISTRIBUTED TO EO RESEARCHERS
Cloud tender launched!

OCRE IaaS+ Tender is now published!
Deadline for submission: 2 June | 12:00 CET

Respond to the tender now & have the chance to be the supplier of choice for the European research community!

ACCESS THE OCRE TENDER ANNOUNCEMENT NOW!
EO tender coming soon!

https://www.ocre-project.eu/

Long Tail of Science’s Requirements for Earth Observation Services in Europe

OCRE has published the results of its Earth Observation requirements gathering survey. The results have allowed the identification of consumption habits, needs and technical requirements.

LEARN MORE & DOWNLOAD THE ENTIRE REPORT
OCRE aims to be a CORE component in the European Open Science Cloud

Questions?

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