OCRE

Open Clouds for Research Environments

OCRE Cloud Framework

Monique Pellinkhof
Procurement Specialist

Technoweek Spain
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Funded by the European Union

Why Cloud services?

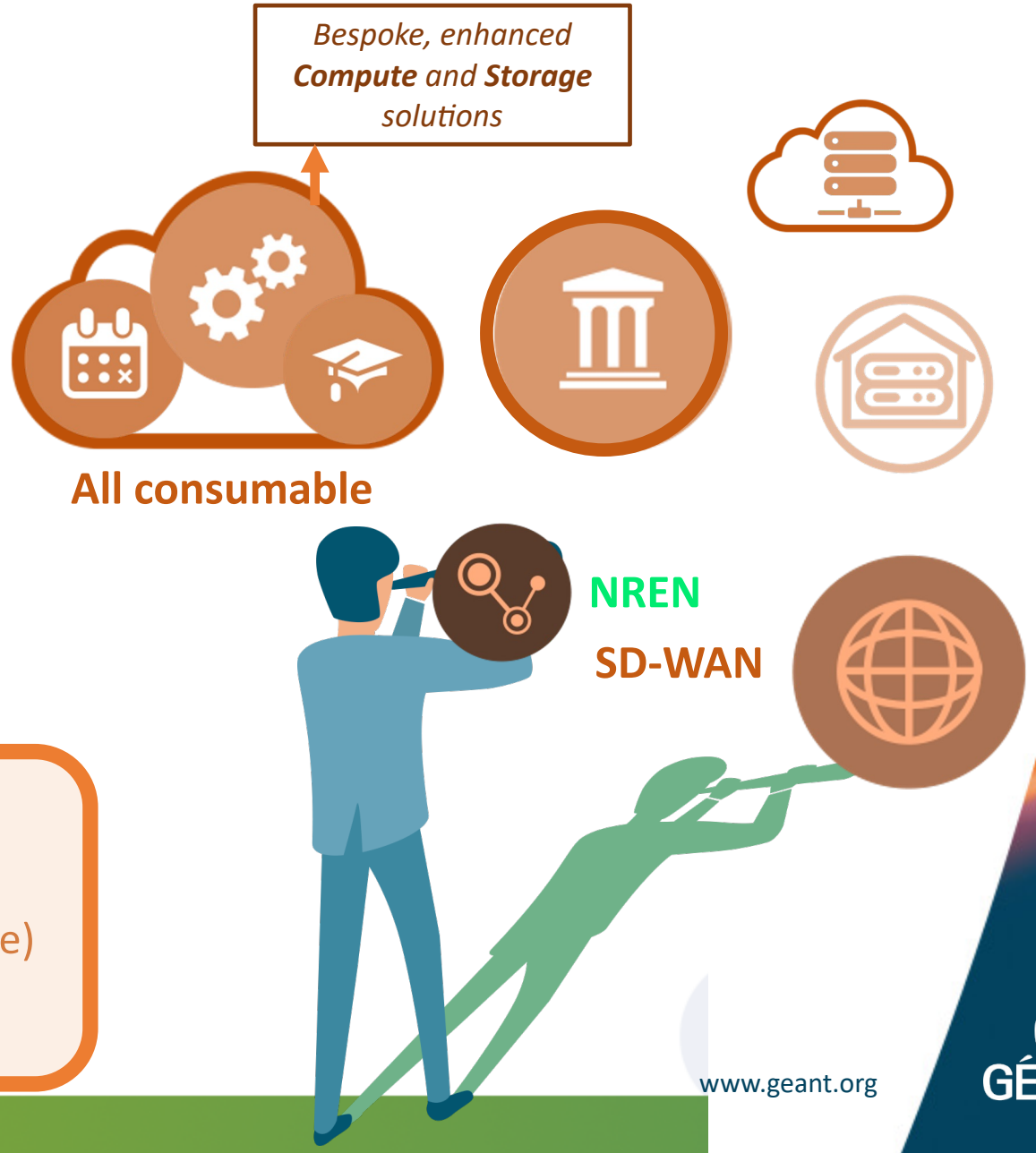
European Commission promotes

- Digital Economy for Research
- Consume not Build (where possible)
- IaaS/PaaS underpins e-Infra services
- Sustainable European Open Science Cloud
- Develop Startups and SMEs

Green Regional Compute

Fewer Data Centers (energy consumption)

- Rate of Innovation (accelerating in Cloud)
- HPC supplementation (hyperscale compute)
- FAIR data (metadata creation and cold storage)
- EOSC White Labeled Commercial Services



What has the NREN community done?

- In 2016 GÉANT tendered the first IaaS agreements
  - Mandated by all NRENS to tender on their behalf
  - 14 framework agreements were awarded
  - Frameworks expired on 31 December 2020
- 2020 new tender was launched – IaaS+
  - Under the OCRE project
  - GÉANT mandated by NREN's to tender on their behalf
  - Eacht country = 1 lot. -> suppliers dedicated
  - ~ 1150 proposal received / 473 framwork agreements awarded (avg. 14 different Cloud platforms available per country).

Framework Tender and Outcomes

- Published on Tenders Electronic Daily (TED) on 15 April 2020.
- Closing date for submissions was extended to 23 June 2020,due to the COVID 19 crisis and delayed market response.
- LOT based – one supplier of each platform in each country (including hyperscale resellers **).
- Market responded with 1100 bids across the 40 participating countries.
- 473 framework contracts have been awarded –
  - 37 platforms represented.
  - Minimum 9 platforms per country
  - Maximum 17 platforms per country

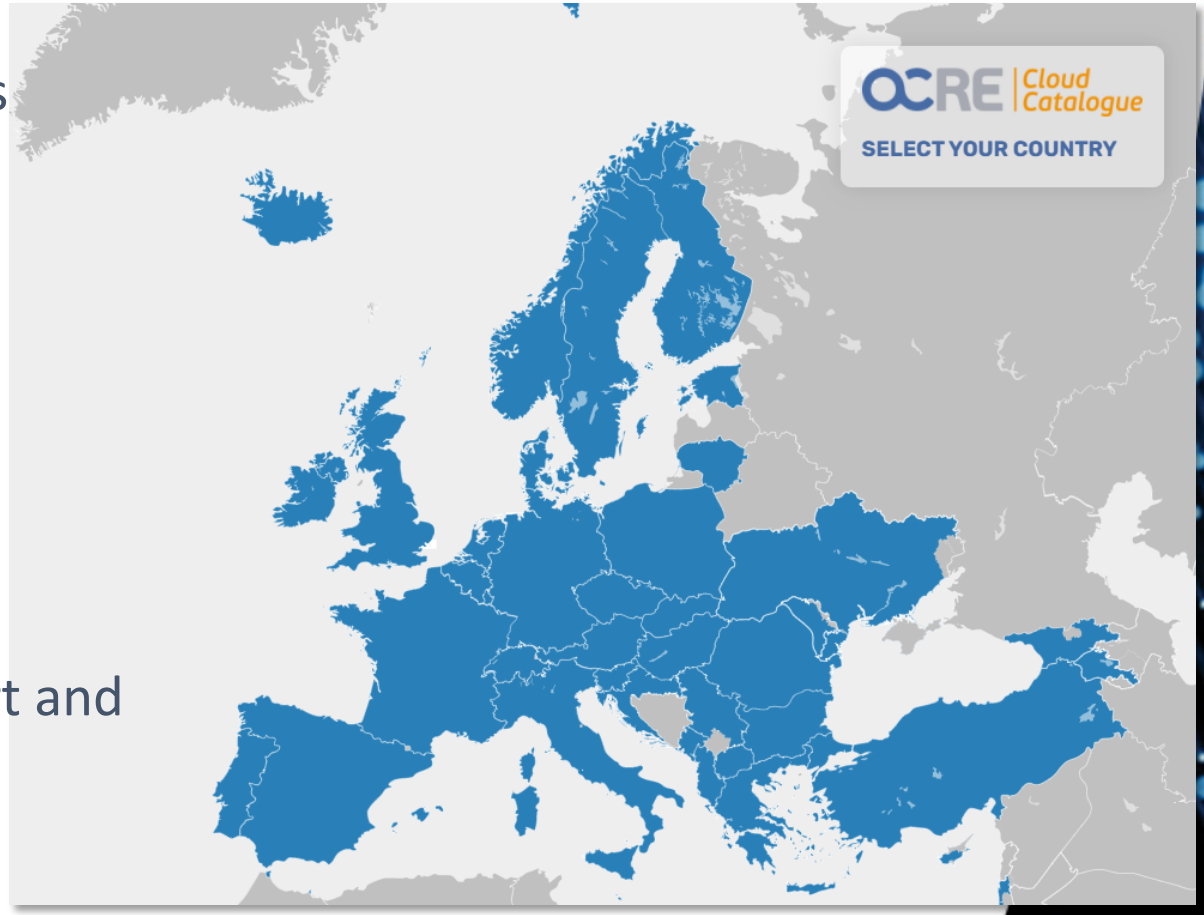
** Competition amongst hyperscale resellers complete.

Platforms available in Spain

OVHcloud	VSHN	Telefonica	CloudSigma
Rackspace	CloudFerro	Bechtle	Bechtle
Safespring	SoftwareONE	Orange	Quistor Enterprises
T-Systems	Setcor		

A Framework that benefits all the GÉANT Community

- Broad Catalogue of Cloud and Digital Services
- Negotiation power and economy of scale
- Good rates and tariffs
- Favorable terms & conditions
- Local (language) support
- Part of a growing network of institutions and researchers using these frameworks
- Access to sr. management at supplier, support and escalation available via GÉANT
- Ongoing investment and feedback



➢ **NO NEED TO TENDER SEPERATELY!!**

In a bit more detail

EU Procurement Directive compliant TENDERPROCEDURE

1. GÉANT mandated by the NREN's as CPB
2. CPB = Central Purchasing Body
3. GÉANT Tendered as CPB -> Dutch public procurement legislation (for all involved)
4. Published on TED

LAWS OF THE CONTRACTS

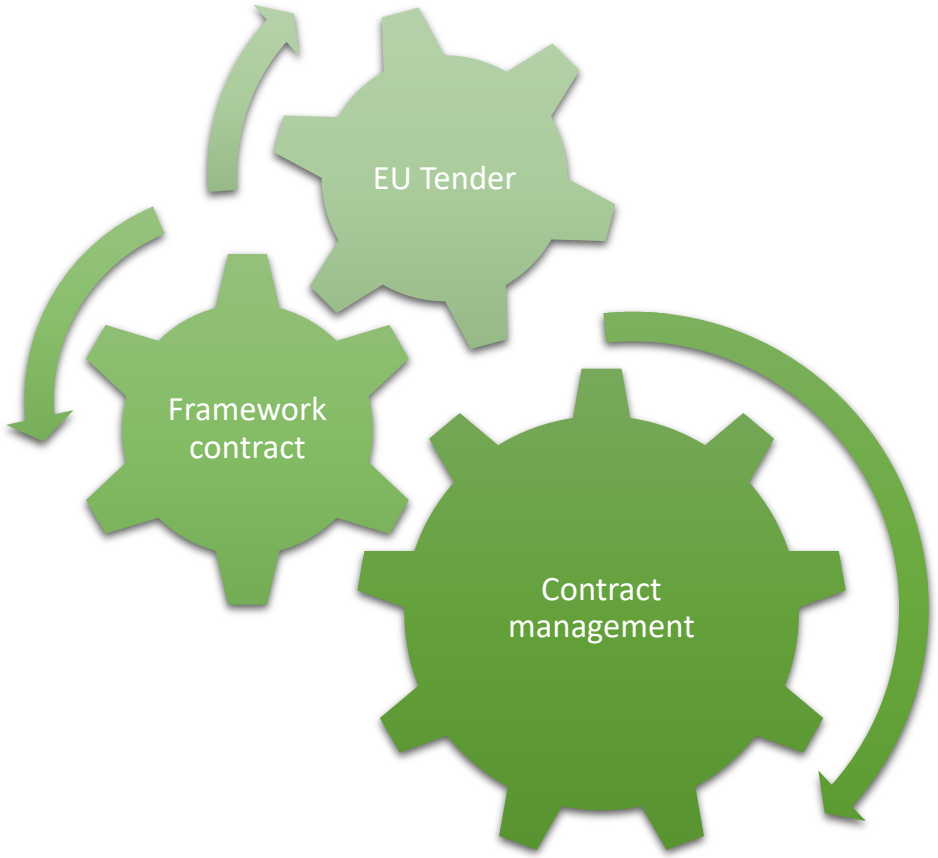
Framework compliancy

- 473 Framework contracts with Pan European spread over 40 countries
- IaaS+ tender fully compliant with all guiding principles of the EU tendering law procured under Dutch tendering law
- Competition between resellers per lot within the Framework Contract
- Three methods of signing Call Off Contracts under the Framework
- While running a mini-competition Institutions responsible for scoring and awarding decision
    - Call of Contracts as result of a mini-competition or direct award between reseller and institute
- Direct award possible on conditions
- NREN facilitates relationships between supplier and local R&E community

For EC funded projects (OCRE / EOSC Future)

- All Contracts completely aligned with EC GA and Dutch and EU VAT legislation
    - For EC funded projects Voucher Contracts are signed between GÉANT and reseller to be VAT and EC Grant Agreement compliant

From Tender to Contract management



GÉANT Contract Management Group:

- Single point of contact
- Pan European NREN representation and support
- Monitoring results and consumption
- Supplier engagement
- Contract compliance
- Quarterly reports
- Cloud Forum
- Organising Trainings
- Sharing experience and knowledge exchange

Call off options under the Framework contract

Direct Award

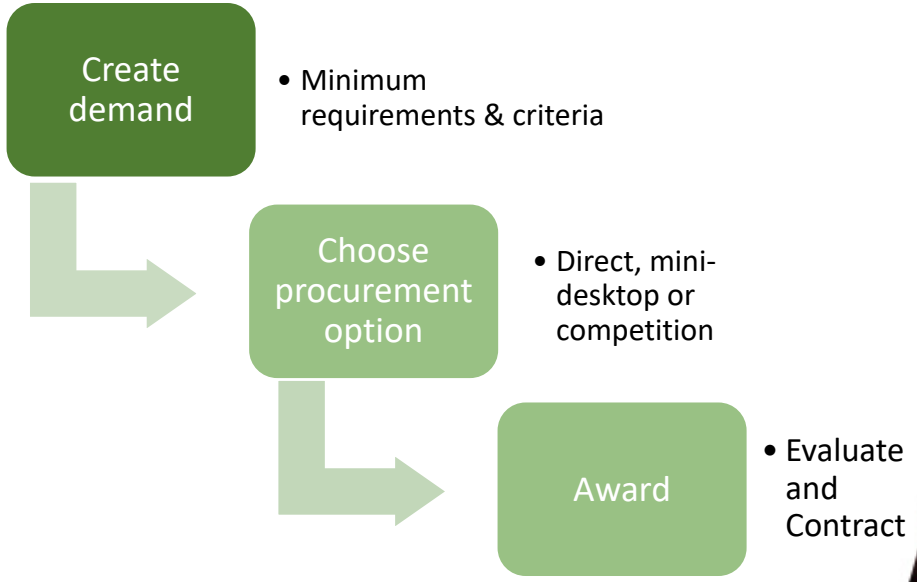
- Not economically feasible
- Not available on other
- Licensing arrangements

Mini-desktop competition

- Evaluate all Suppliers in Lot
- Reuse GÉANT's awarding criteria and scores
-
- Use price Online Cost Calculators

Mini-competition

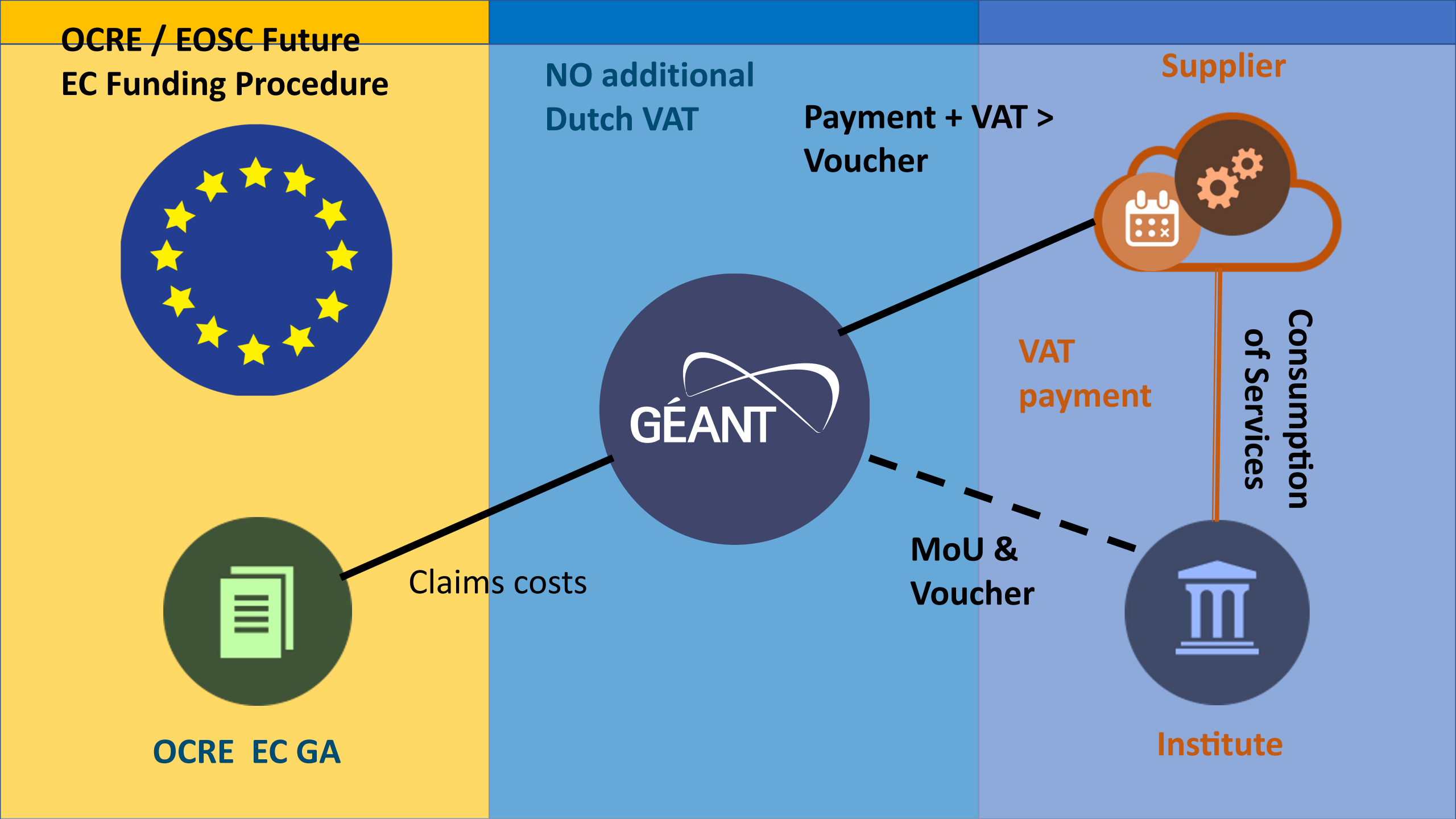
- Invite all resellers in Lot
- Apply the award criteria
- Score – award – stand still period



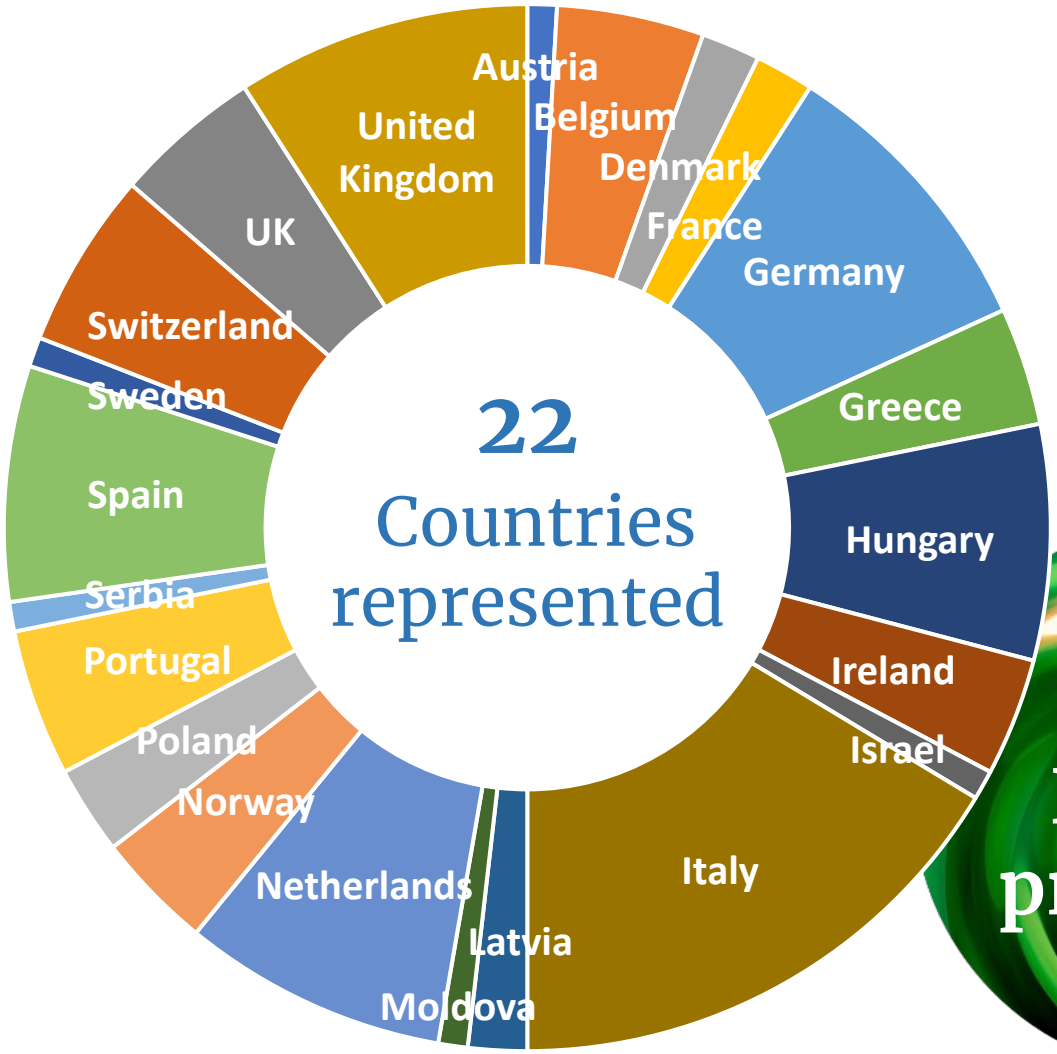
GÉANT Cloud enablement sessions

Providing local support and aid at NRENs and Instutions on:

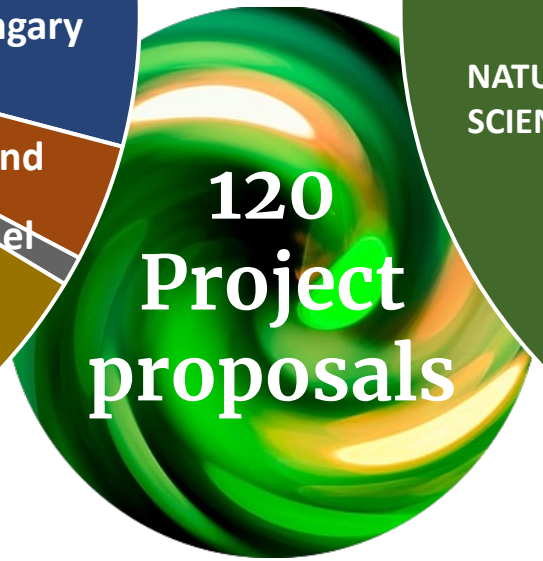
- ✓ Adoption of Cloud Services within R&E community
- ✓ Implemenation of the Framework within local laws
- ✓ Legal advice and compliance
- ✓ Bespoke negotiations
- ✓ Calling of Contracts under the Framework
- ✓ Creating use cases
- ✓ Sharing best practices & lessons learned
- ✓ Feedback and development of the Framework


OCRE / EOSC Future
EC Funding Procedure
NO additional
Dutch VAT
Supplier
Payment + VAT >
Voucher
GÉANT
VAT
payment
Consumption
of Services
Claims costs
MoU &
Voucher
OCRE EC GA
Institute

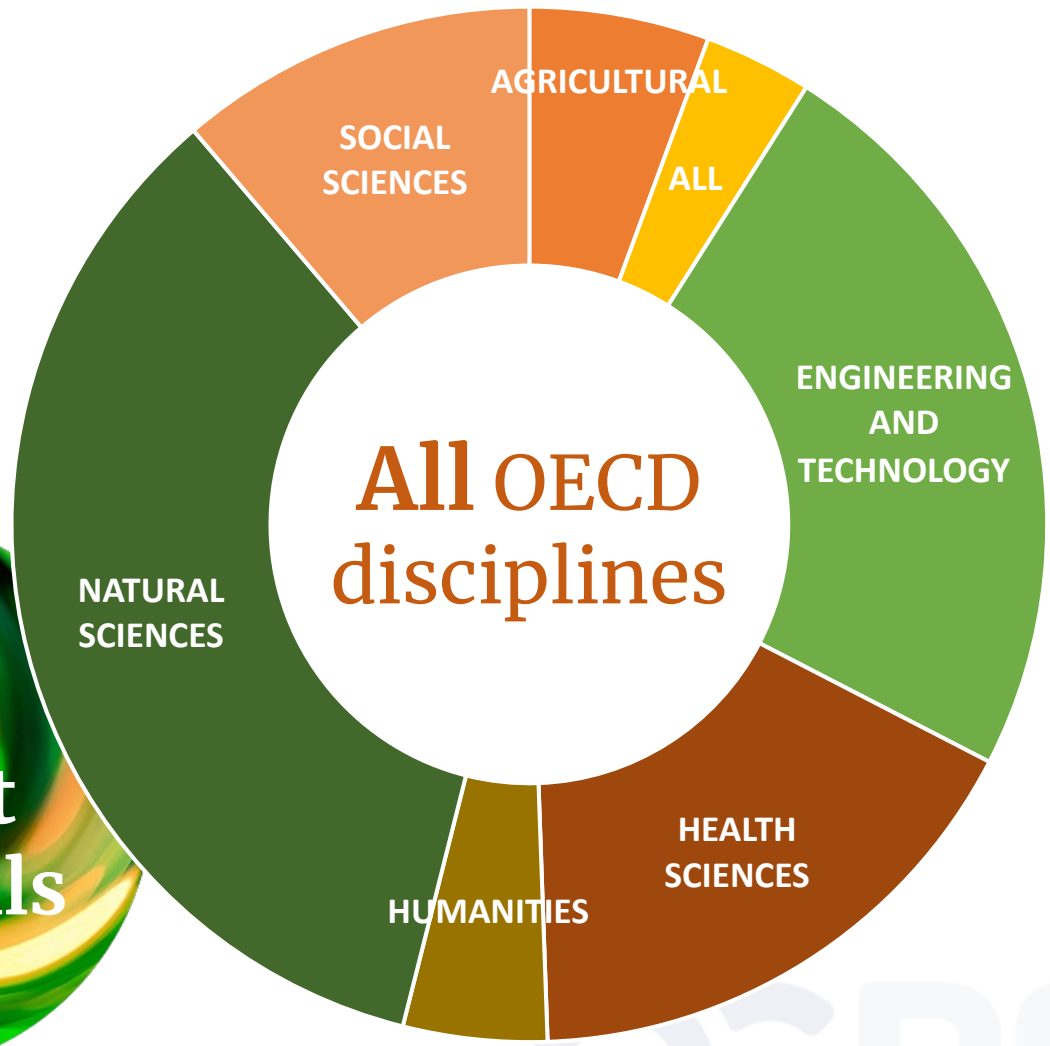
Cloud adoption funding calls
Commercial Cloud and EO services



22
Countries represented



120
Project proposals



All OECD disciplines

Creating a link to the EOSC

Engaging with the European Open Science Cloud enabled by EC funding through

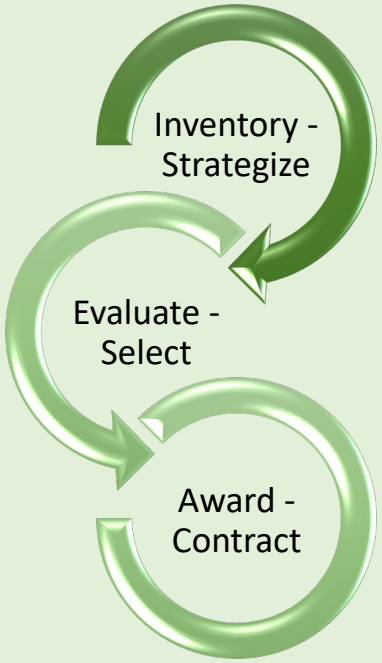
EC Funding

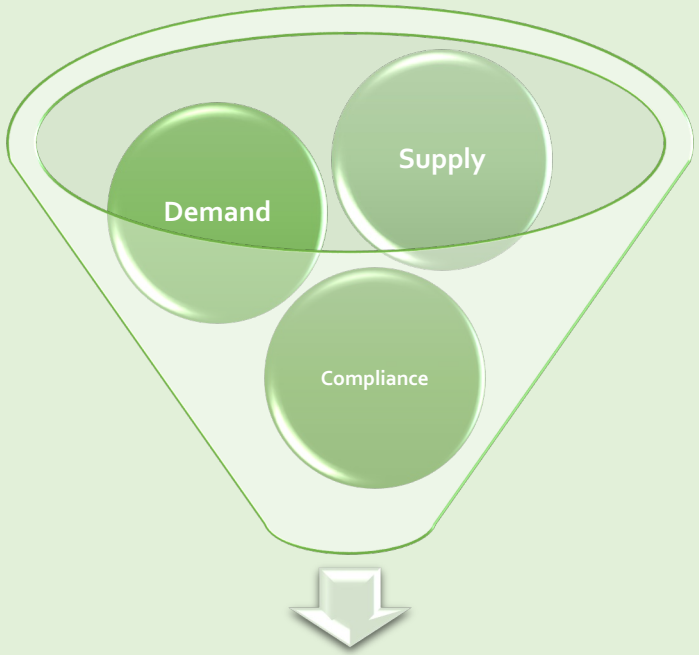
Procurement of :

- Distribution mechanism via OCRE Cloud catalogue through EU aggregators
- Cloud aggregation budget available 500K - 600K euro
- Published end May – open until mid July 2023
- Reach out to your OCRE Framework Contractholders
- To underpin bespoke research toolsets

Cloud services that are registered on EOSC Future Marketplace

NEW: Re-procurement of the IaaS+ Cloud Framework





Best value on Commercial Cloud

Jan.–Mar. 2023
Establish procurement task force

Mar.–Nov. 2023
Determine procurement strategy

Dec. 2023
ITT ready

Jan. 2024
Launch the procurement

Dec. 2024
OCRE II in place

Reference content

- **OCRE Framework contract and use cases:**
  - **https://www.ocre-project.eu/services/cloud-suppliers/country/spain**
  - **https://www.ocre-project.eu/success-story**
- **Documentation**
  - **https://eosc-portal.eu/eosc-providers-hub**
  - https://eosc-testsuite.readthedocs.io/en/latest/
- **Recorded Demos of the Test Suite**
  - EGI conference 2021
    - https://www.youtube.com/watch?v=KENk4KnFmhs
  - EGI conference 2020
    - https://www.youtube.com/watch?v=ZznFp9lIGR0

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Q&A

Thank you!

@monique.pellinkhof@geant.org