

Clouds update

GÉANT laaS, Videoconferencing and File Sync & Share Frameworks

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GÉANT Cloud Team

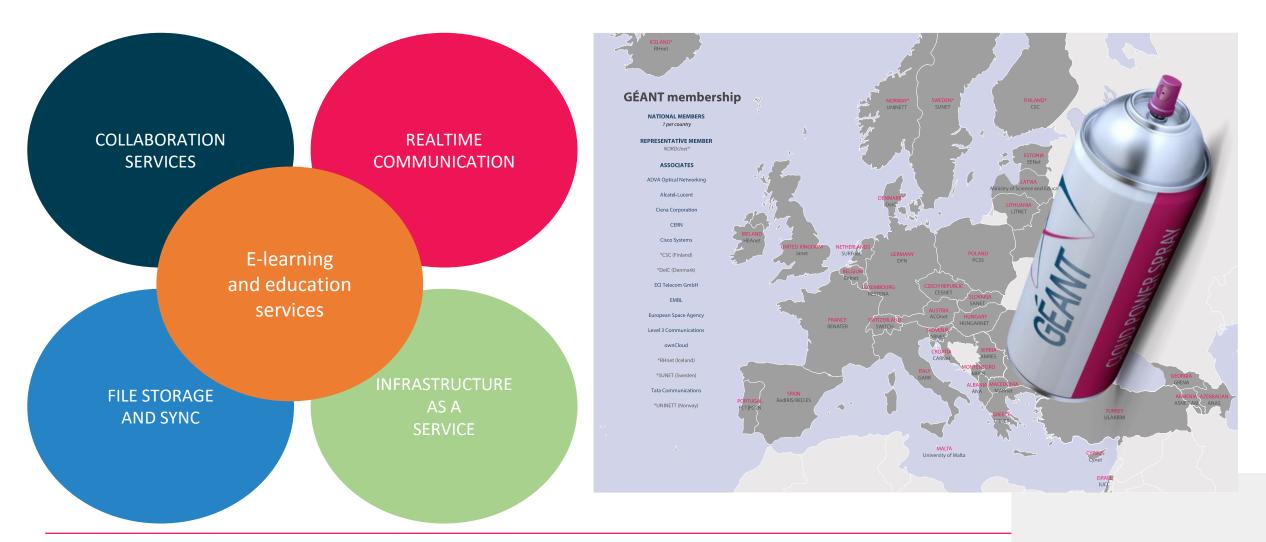
SIG-Marcomms meetings, Helsinki

14 March 2017



GÉANT Cloud collaboration





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GÉANT Cloud Activity Outcomes







- Procurement compliant in EU & EEA
- Legal compliance (EU data protection law)
- Institutional supplier call off contracts under local law
- Invoice billing, no credit card needed
- Aggregate use discounts (10,000 institutions)
- Mandatory SAML support (some eduGAIN)
- Direct peering with GÉANT network

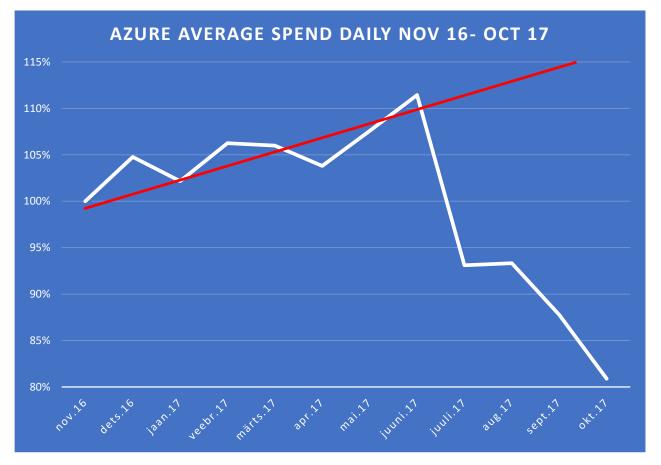
The NRENs and their Institutions that are part of this tender can use its outcomes without additional procurement required

> There is no obligation whatsoever on the Customers to purchase, and the are entitled to run their own procurement to purchase any products covered within this contract

Quality & Qualifications institute (QQI) in Ireland achieves substantial savings with GÉANT Cloud Framework



Average daily spend Nov 2016 – Oct 2017



33% cost reduction

after QQI worked with the Irish NREN, HEAnet, to transfer their Microsoft Azure workloads to the GÉANT framework agreement,

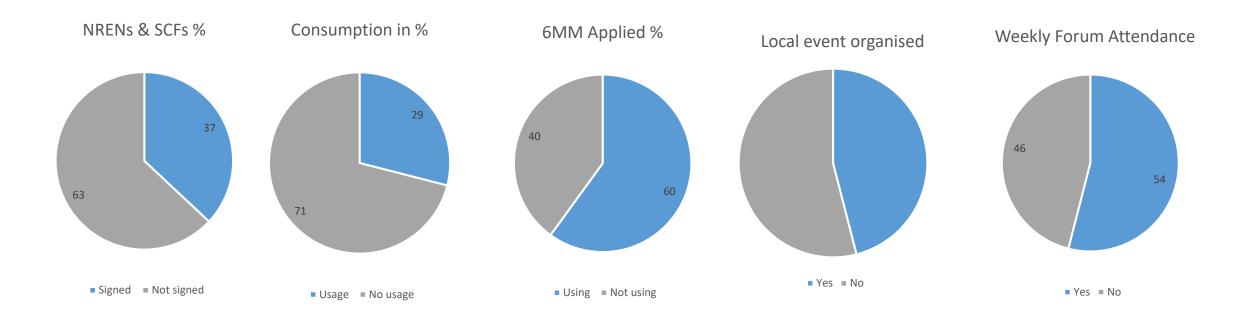
from July 2017 onwards



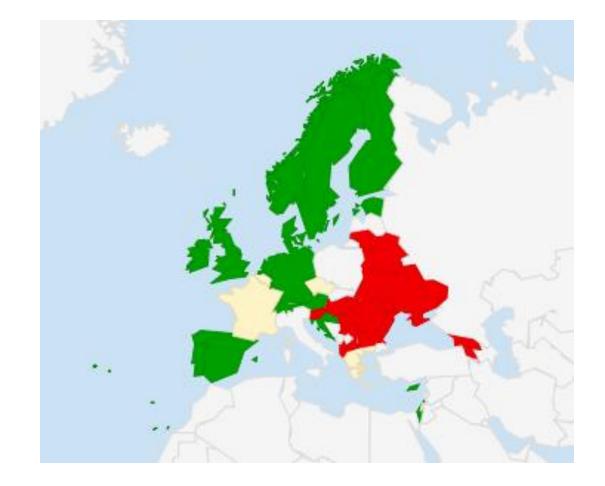
- Every NREN, that is part of the laaS tender, has
 - A cloud manager / team in place
 - Signed the Service Commencement Forms (SCFs)
 - Informed their institutions about the availability and benefits of the IaaS portfolio
 - Established a national cloud community, with institutional cloud managers, a associated communication channels:
 - An e-mail list
 - A cloud website
 - Face to face meetings; cloud events
- In every country, institutional consumption is happening.

Adoption in Figures by March 2018









More than half the countries sharing the FW information with their national communities

- Organising national events
- Creating national cloud website
- Newsletters and informative emails on clouds
- Attending the weekly GÉANT laaS VC Forum

On the picture: most potential countries for the laaS FW adoption are green



User events

• local workshop, information day, conference, webinar

Marketing material

• Newsletter, use cases, best practices, articles, fliers, handbooks and guidance for tools

Electronic channels

• Mailing lists, website and user portal

Support from Suppliers

- Events: technical workshops and trainings, webinars, presentations at conferences
- Whitepapers
- Test accounts

Support from GÉANT Clouds Team

Support from the GÉANT Cloud Team



Online communications Skills Speakers, presentations and development communication material Workshops, webinars and Toolkits other events User stories, showcases & good Adoption pilots practices

NREN cloud support



- Established a community of NREN cloud managers: ca 140 persons
- Active e-mail list (94), newsletter (196 subscribers)
- Weekly "Cloud Forum" video conferences
- IaaS launch event for NRENs and suppliers
- Face to face workshops on cloud service delivery
- Contract repository
- Supplier sessions
- Online supplier comparison
- GÉANT Funding 6 months for Manpower
- 2-minute cloud videos to introduce IaaS portfolio
- National cloud events and community interaction
- <u>Comms material (slides, articles, fliers)</u>



GÉANT Community Clouds website



GÉANT clouds website, to better reflect the GÉANT cloud service delivery capabilities

Newsfeed & Cloud events

Cloud catalogue & **JaaS Service Matrix**

User stories

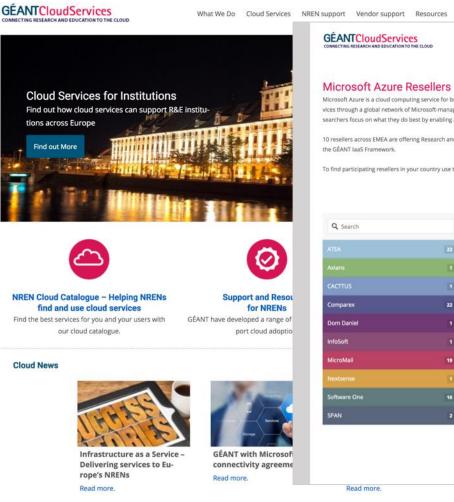
Maps for contacts

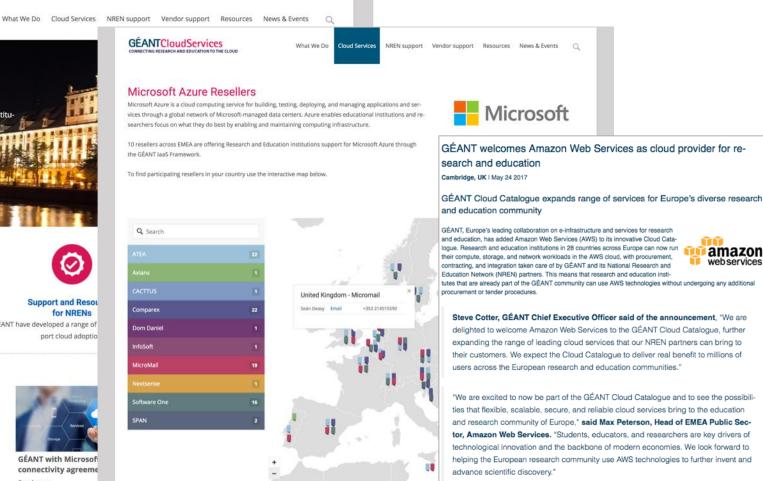
Guidelines

Contracts Repository

Chatbot (in process)

"Button" integration for all relevant information per country (in process)





Following a highly competitive and successful pan-European laaS tender, carried out by GÉANT and 36 NRENs, AWS cloud services will be offered via the GÉANT Cloud Catalogue through resellers Arcus, Comparex, and Telecom

amazon webservices

tutes that are already part of the GÉANT community can use AWS technologies without undergoing any additional

Steve Cotter, GÉANT Chief Executive Officer said of the announcement. "We are delighted to welcome Amazon Web Services to the GÉANT Cloud Catalogue, further expanding the range of leading cloud services that our NREN partners can bring to their customers. We expect the Cloud Catalogue to deliver real benefit to millions of users across the European research and education communities."

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10 minutes for discussion No 1:

 Find 3 top objections / questions that institutions (and your colleagues) may have against cloud services

Exchange the lists!

15 minutes for breakout discussion No 2:

Find the answers and solutions to the questions /objections

Feedback on the results for each group



Lack of resources: communications, finding a clouds expert

Decision making is complicated: role, procedures, NREN vs commercial cloud

Understanding: FW offerings, pricing, unique selling point, clouds

Changing practices: services become charged, governmental procurement used

Availability of a provider or a service in the FW

Reseller conflicts

- Special deal with a provider outside the FW
- Different resellers used via FW than before outside the FW



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