Community-driven infrastructure for resilience at scale

Opening Keynote by Lise Fuhr, CEO GÉANT

DeiC Conference 2026: Digital Research Infrastructure in a Turbulent World

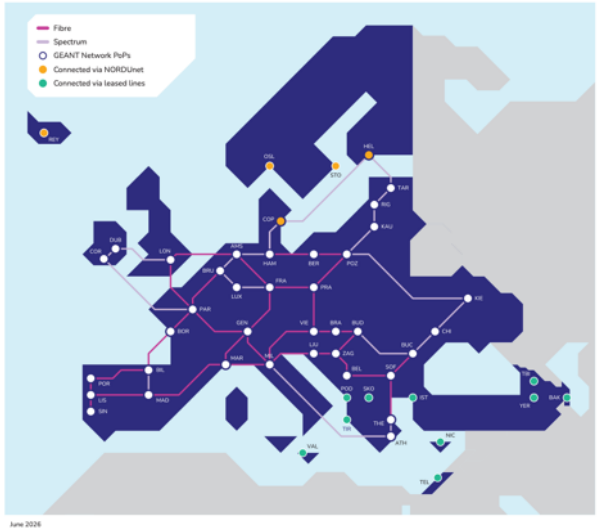


Global
Geopolitical
Uncertainties

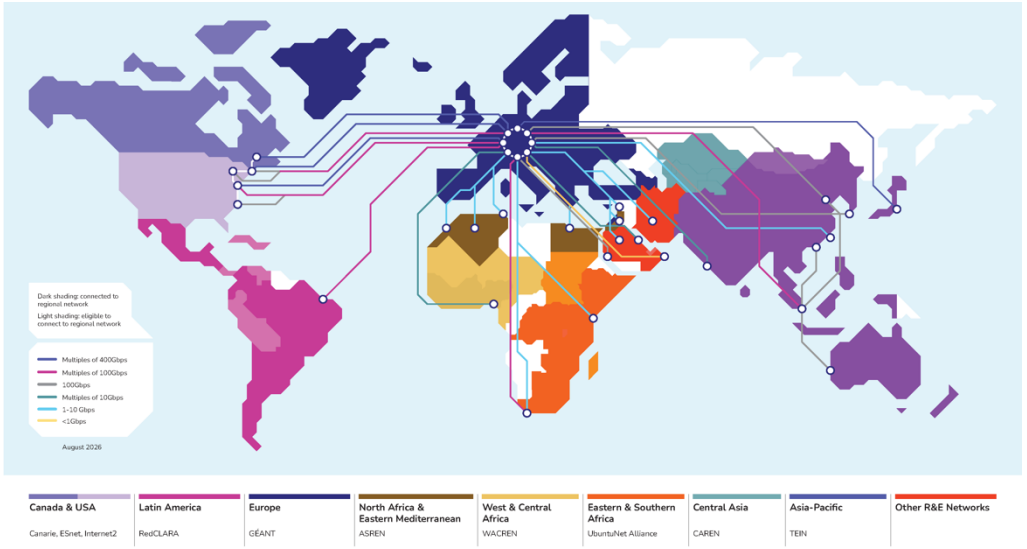




GÉANT – Powering Knowledge for Europe



30+ years of supporting and representing
37 NRENs + NORDUnet
+ associates across Europe



Interconnecting research and education communities worldwide

Network & Connectivity

Security

Identity & Access Management

Cloud and Above the Net

Managing a portfolio of advanced research and education services



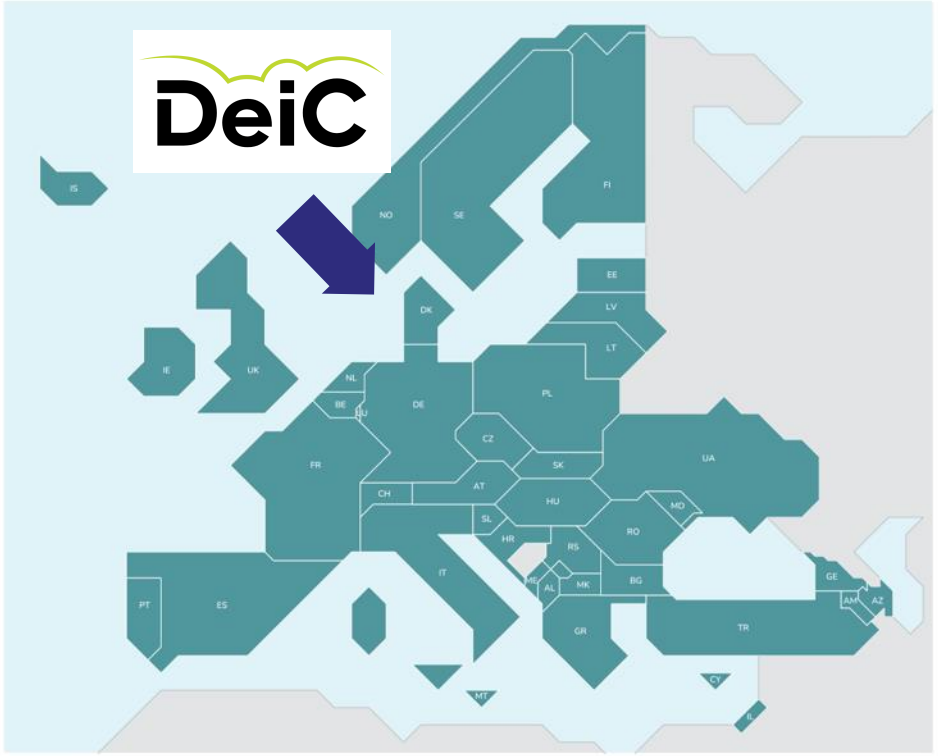
Powering knowledge for Europe

The GÉANT Association provides and advances the digital infrastructure and services required to accelerate research, education, and innovation for a secure and competitive Europe


GÉANT
This is who we are.
This is what we do.
Powering Knowledge for Europe.

GÉANT: A European Membership Organisation

- 37 National Research and Education Networks (NRENs), one representative member (**NORDUnet**), and associates including five Nordic NRENs (including **DeiC**), KREN*, CERN, and ESA.
- Jointly we support **66,000 institutions and 60 million citizens** across the continent.
- GÉANT members connect **universities, research institutions, laboratories, supercomputers, and more.**



*This designation is without prejudice to positions on status, and is in line with UNSCR 1244/1999 and the ICJ Opinion on the Kosovo declaration of independence

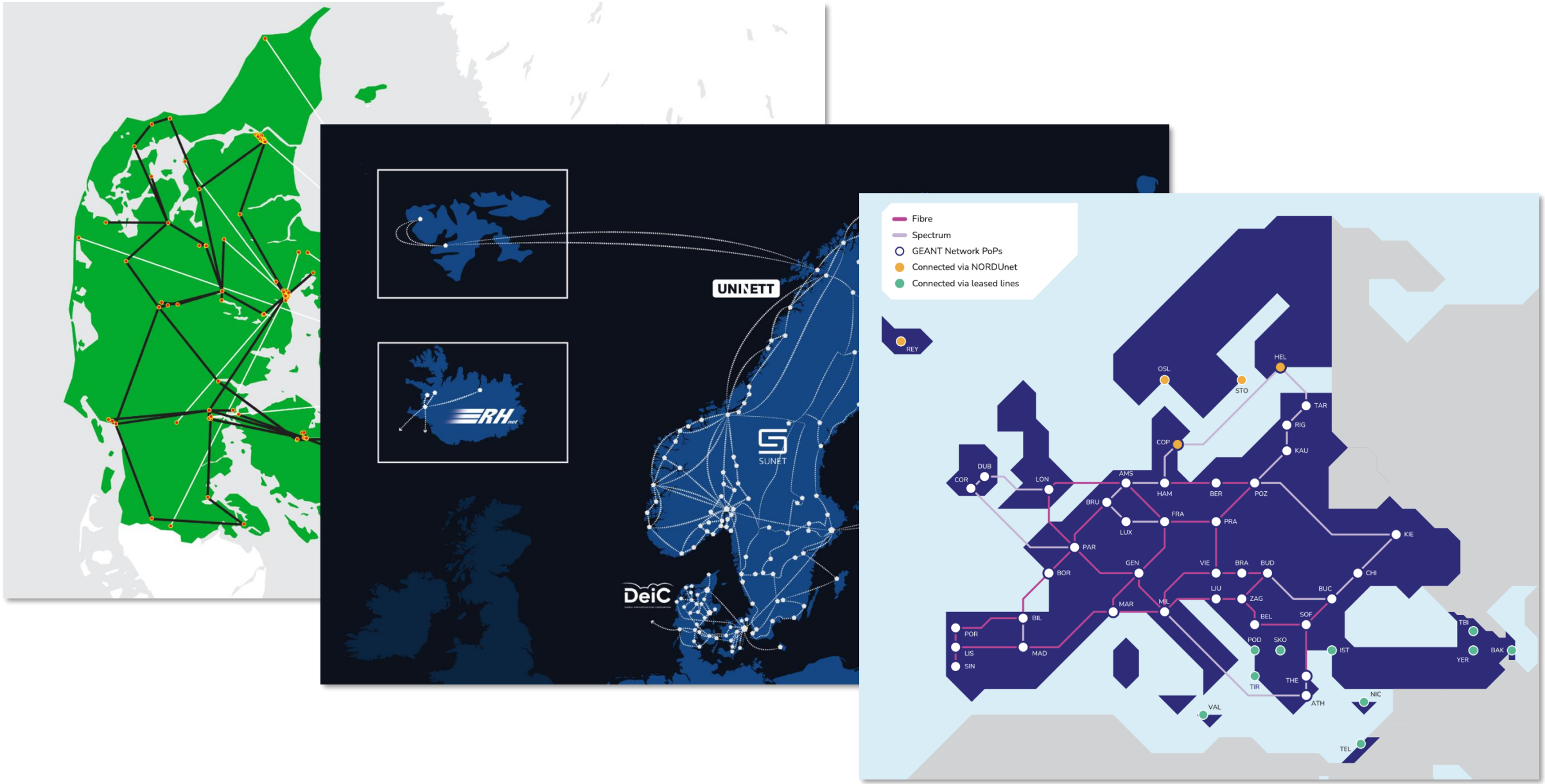

GÉANT PROJECT
SYMPOSIUM 2026
& GÉANT Open Day 2026
MAISON DE LA POSTE, BRUSSELS, BELGIUM 6-8 OCTOBER 2026
GÉANT
Co-funded by
the European Union

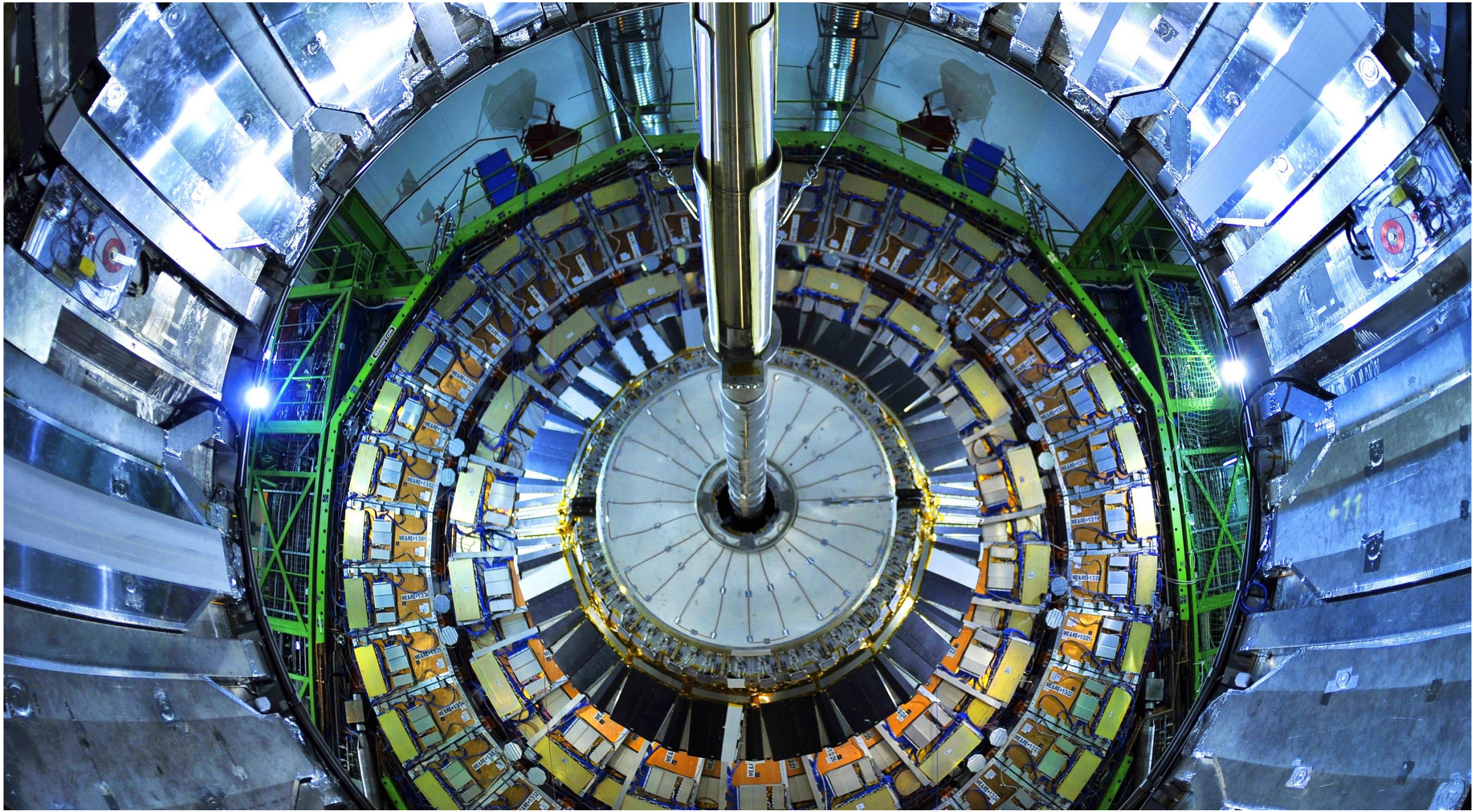


Celebrating 40 years at the Danish NREN -

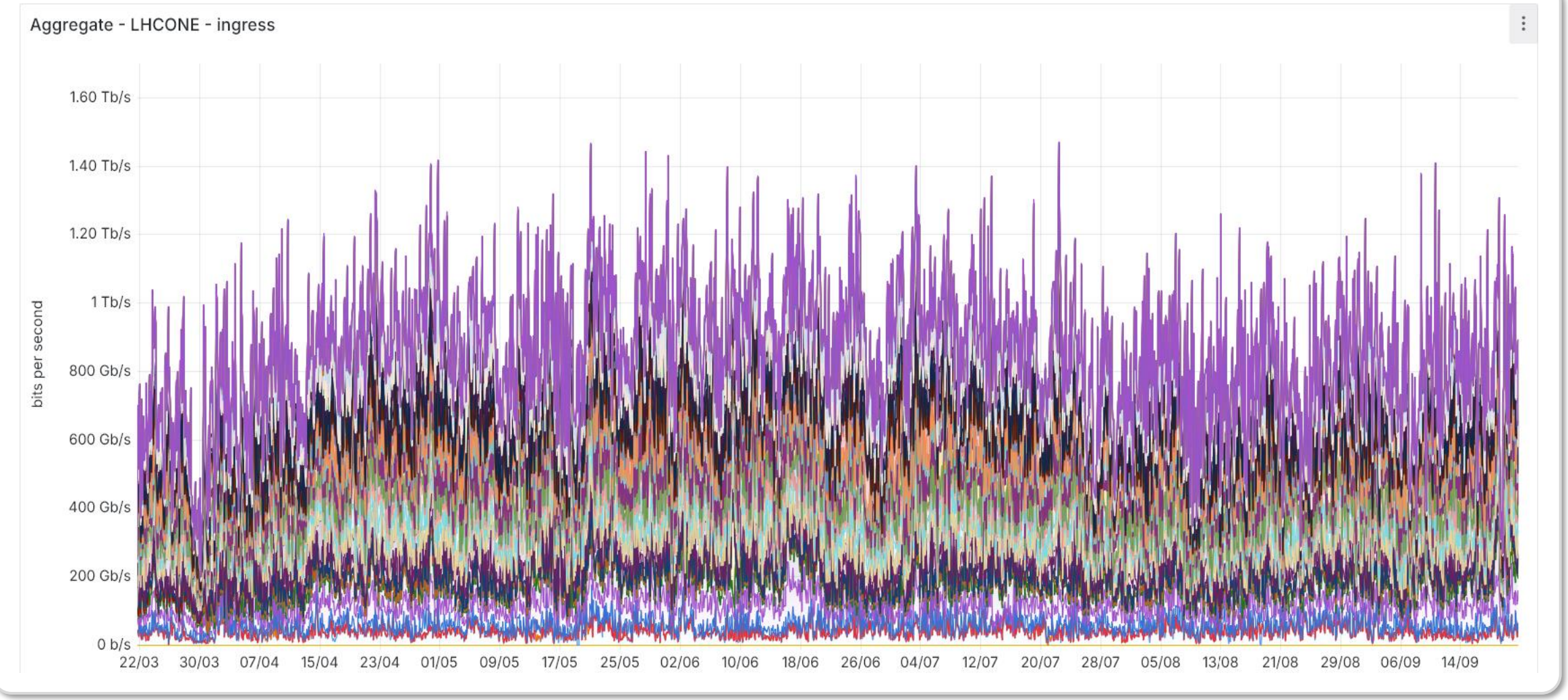
Congratulations Martin!



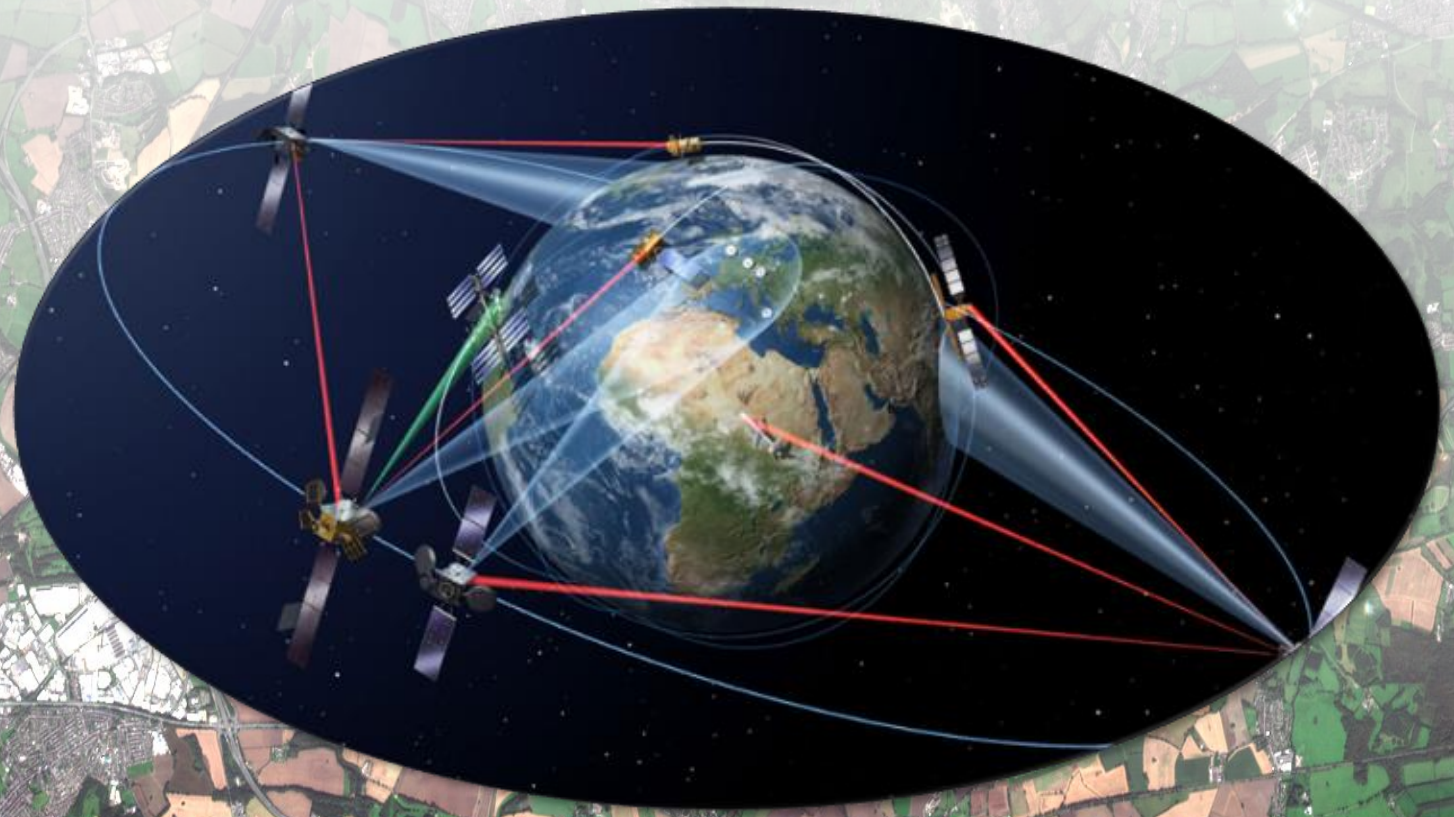

UNINETT
RHnet
SUNET
DeiC
Fibre
Spectrum
GEANT Network PoPs
Connected via NORDUnet
Connected via leased lines
REY
OSL
STO
HEL
TAR
RIG
KAU
COP
DUB
COR
LON
AMS
HAM
BER
POZ
BRU
LUX
FRA
PRA
KIE
PAR
GEN
VIE
BRA
BUD
CHI
BOR
LIU
ZAG
BUC
MIL
MAR
BEL
SOF
BIL
POR
LIS
SIN
MAD
POD
SKO
IST
TBI
YER
BAK
TIR
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ATH
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VAL
TEL



GÉANT LHCONE traffic



Networks supporting Earth/Environmental Sciences



Copernicus
Europe's eyes on Earth

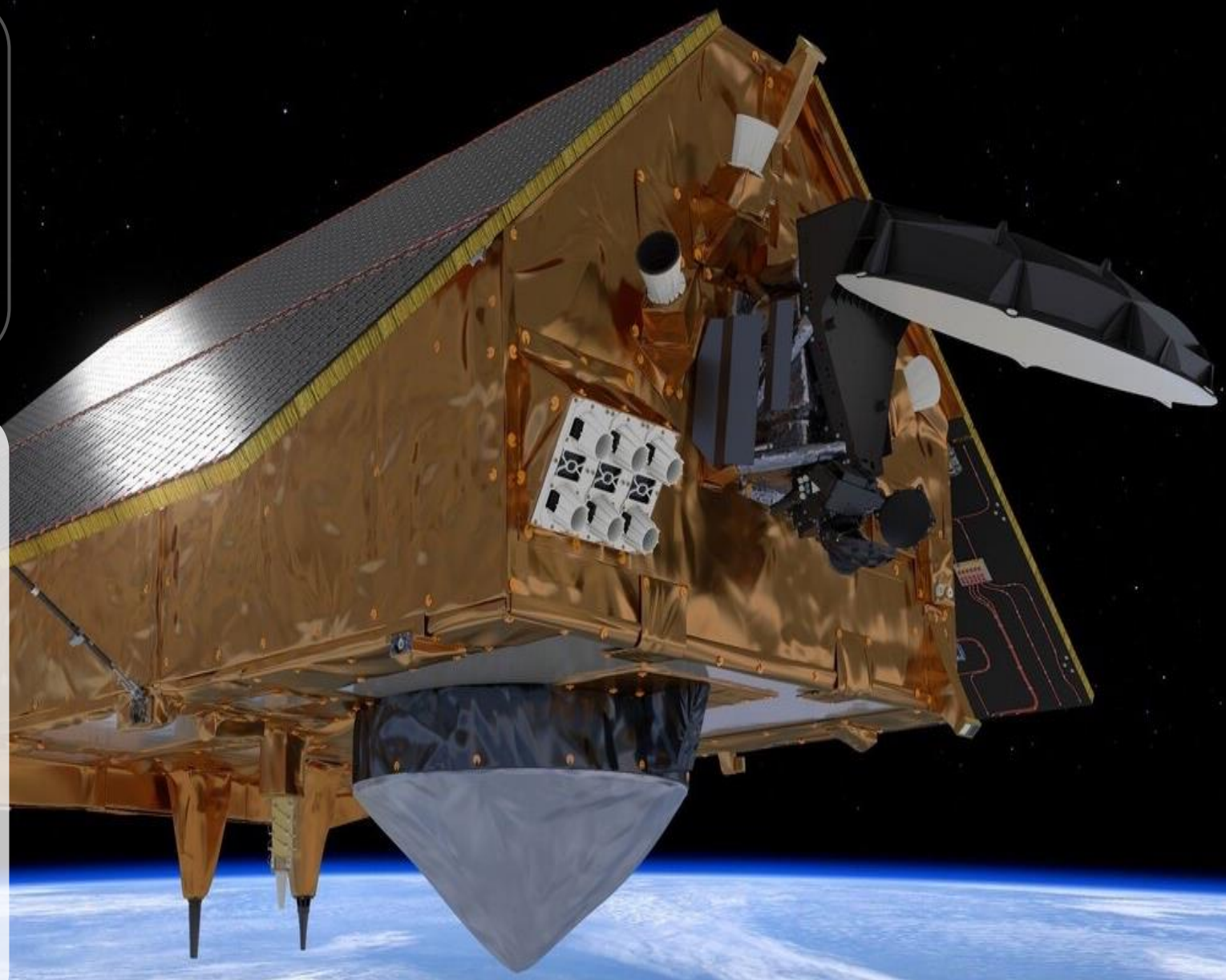
esa

EUMETSAT

Long running engagement since 2014

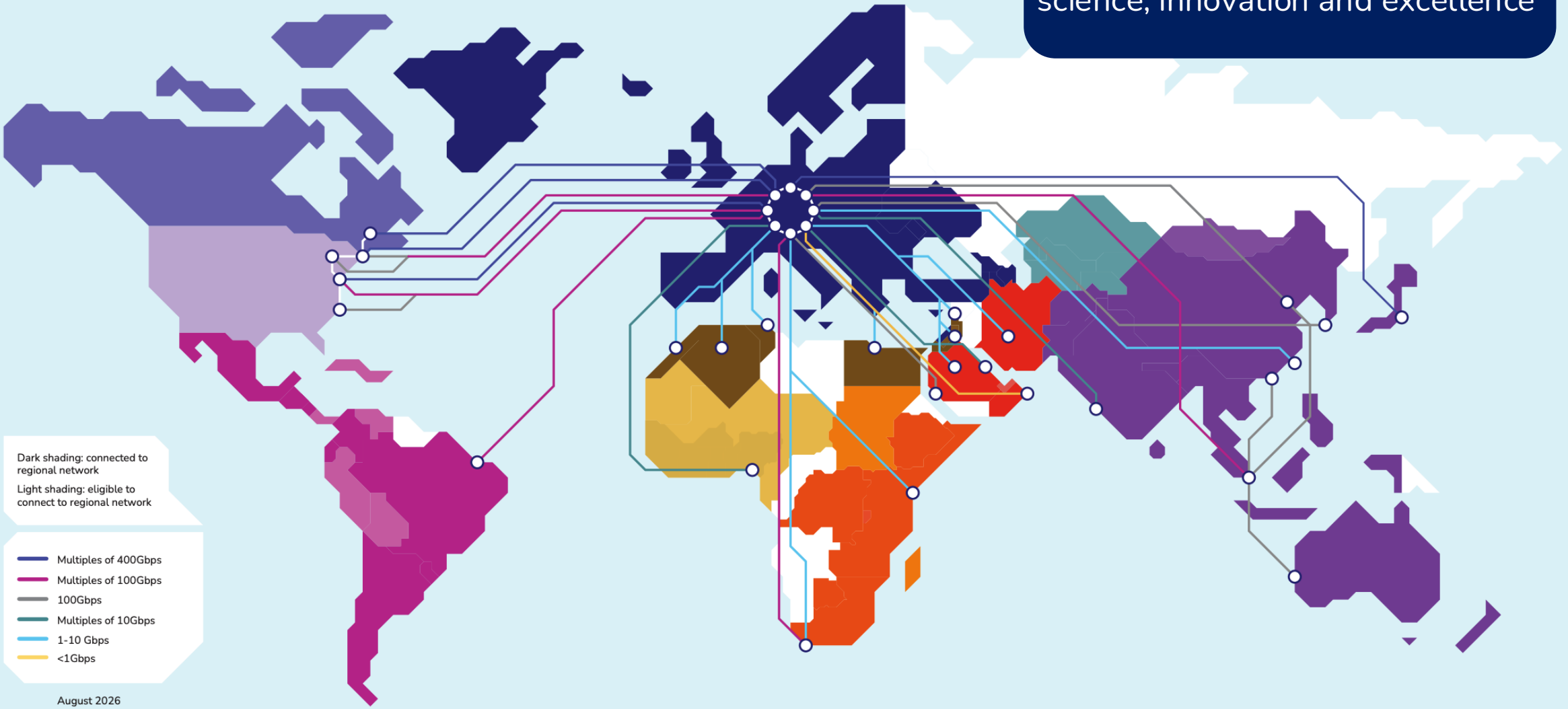
Connectivity:
- HQ Link
- Svalbard
- Cheia

More sites to connect globally



The global network

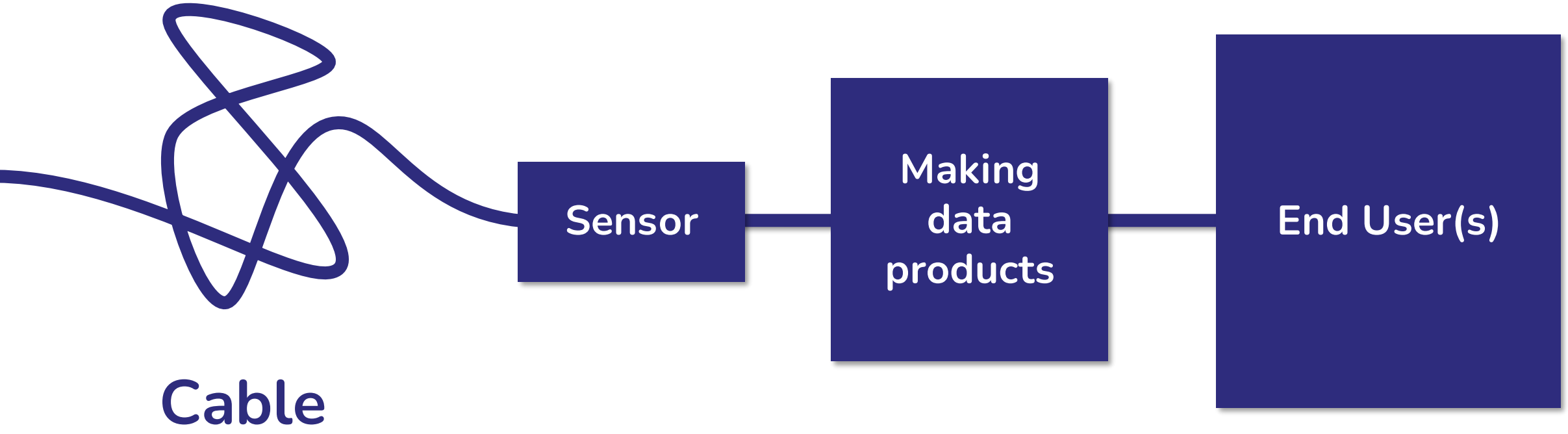
...a globally integrated community of NRENs, promoting global science, innovation and excellence



A balanced approach to digital sovereignty



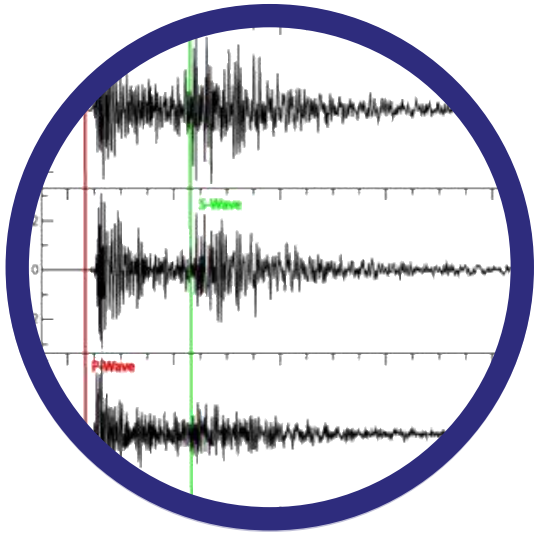
Digital Sovereignty?


Sensor
Making data products
End User(s)
Cable

Cable-sensing



Oceanography



Seismology



Anthropogenic



GÉANT

DeiC

SUBMERSE

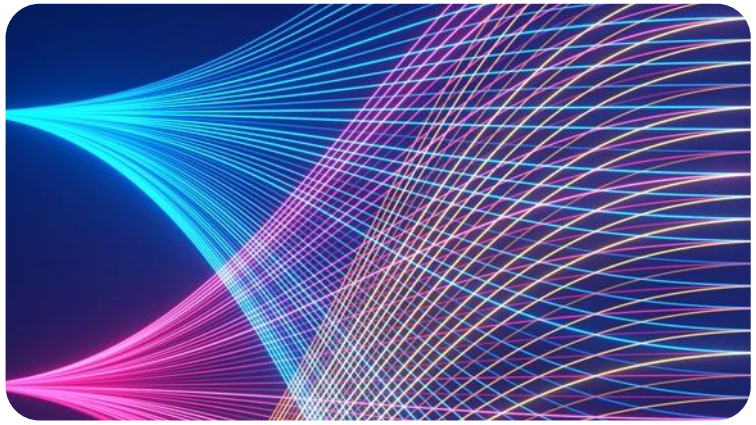
Transforming the network

We continue to push networking technology forward with our proof of concept for a **Time & Frequency Network**

We are helping to shape Europe's digital future with support to Europe's **Quantum Communications Infrastructure** (EuroQCI).







MoU Signing between GÉANT and the Quantum Internet Alliance



eduroam's global reach

National and International Roaming Operators (NROs)





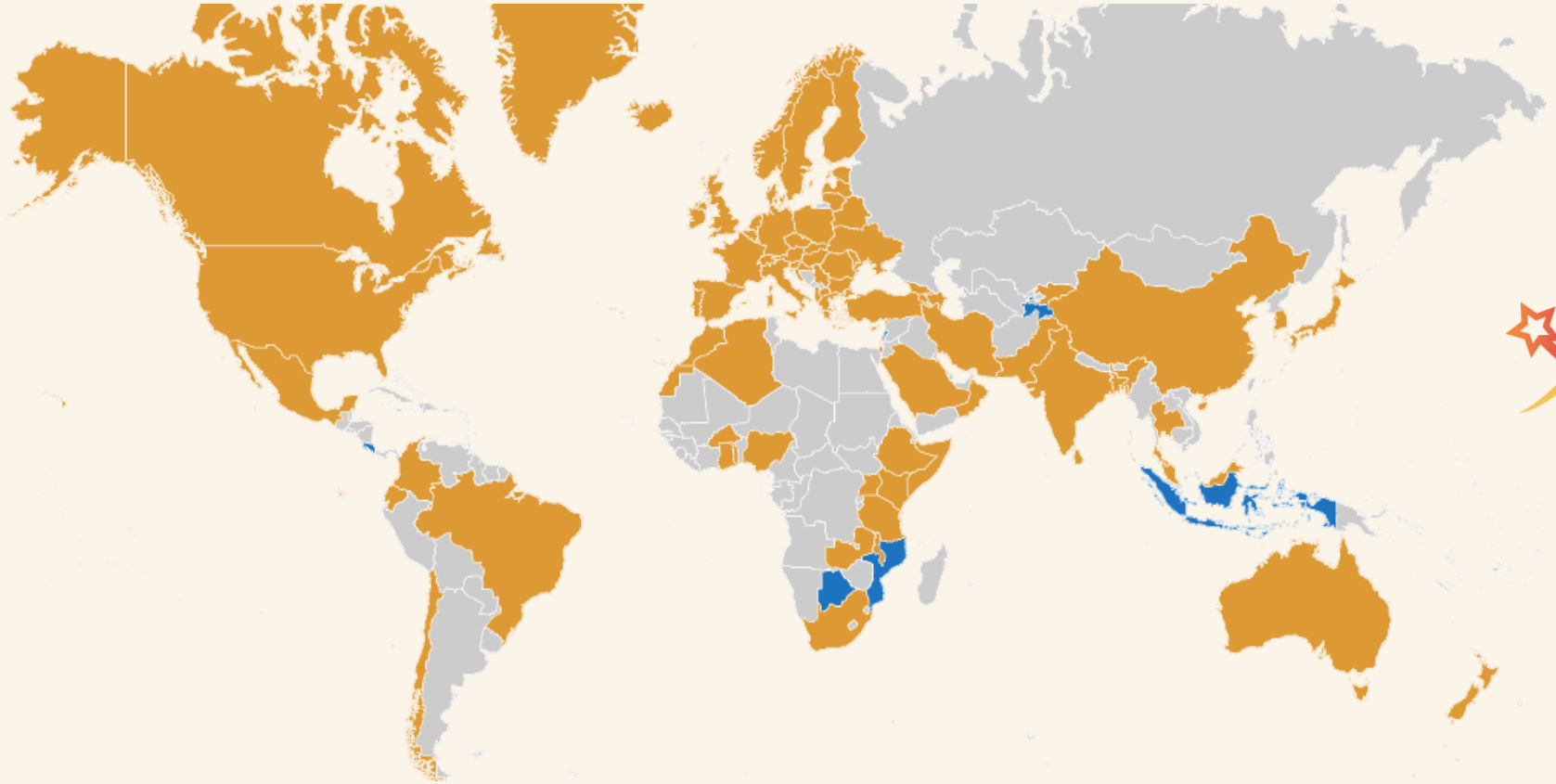
>106
Countries

10,500+
Institutions

44,600+
Service Locations

25,000,000+
Authentications per day

The growth of eduGAIN federations



eduGAIN

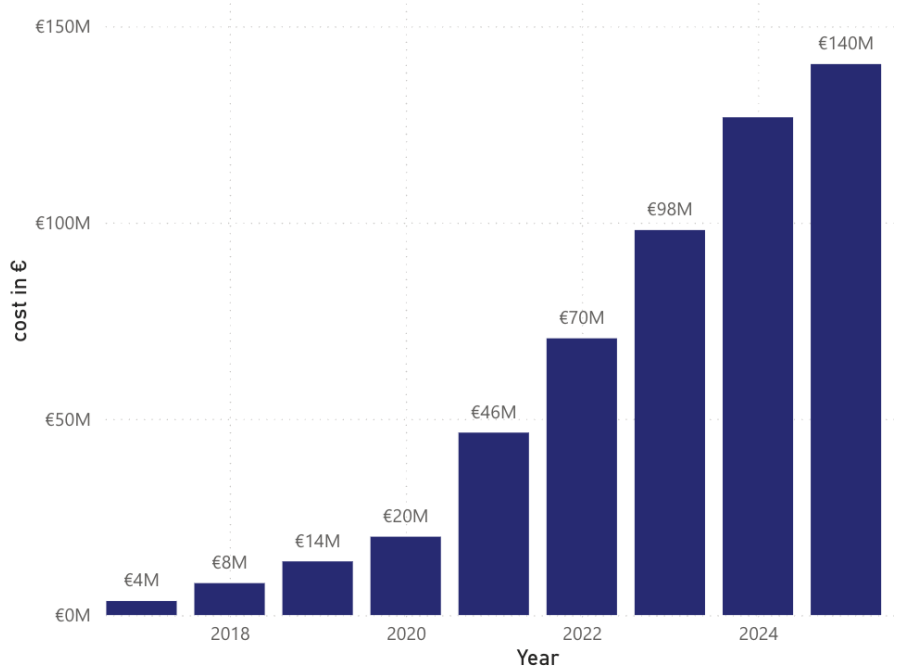
83
Countries

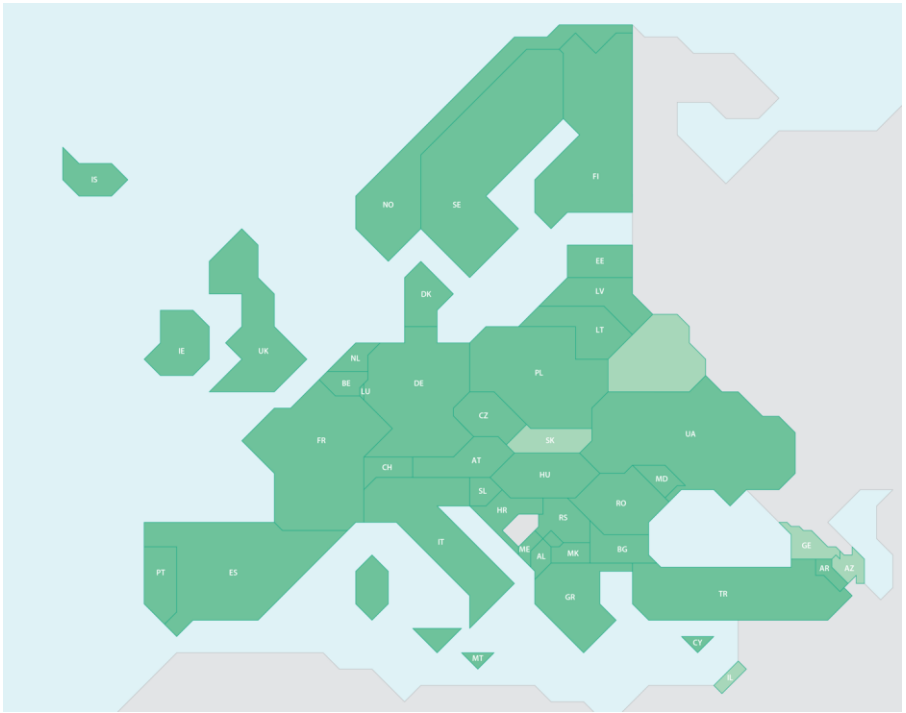
6,090+
Institutions

3,800+
Service Locations

edugain.org

EU-Compliant framework, administered by GÉANT, in collaboration with 39 NRENs





2,500,000 EUR of cloud procured in 2025, by

12 Danish Institutions

The power of European scale

University or Research Centre alone

DeiC

66.000 organisations
60 million users

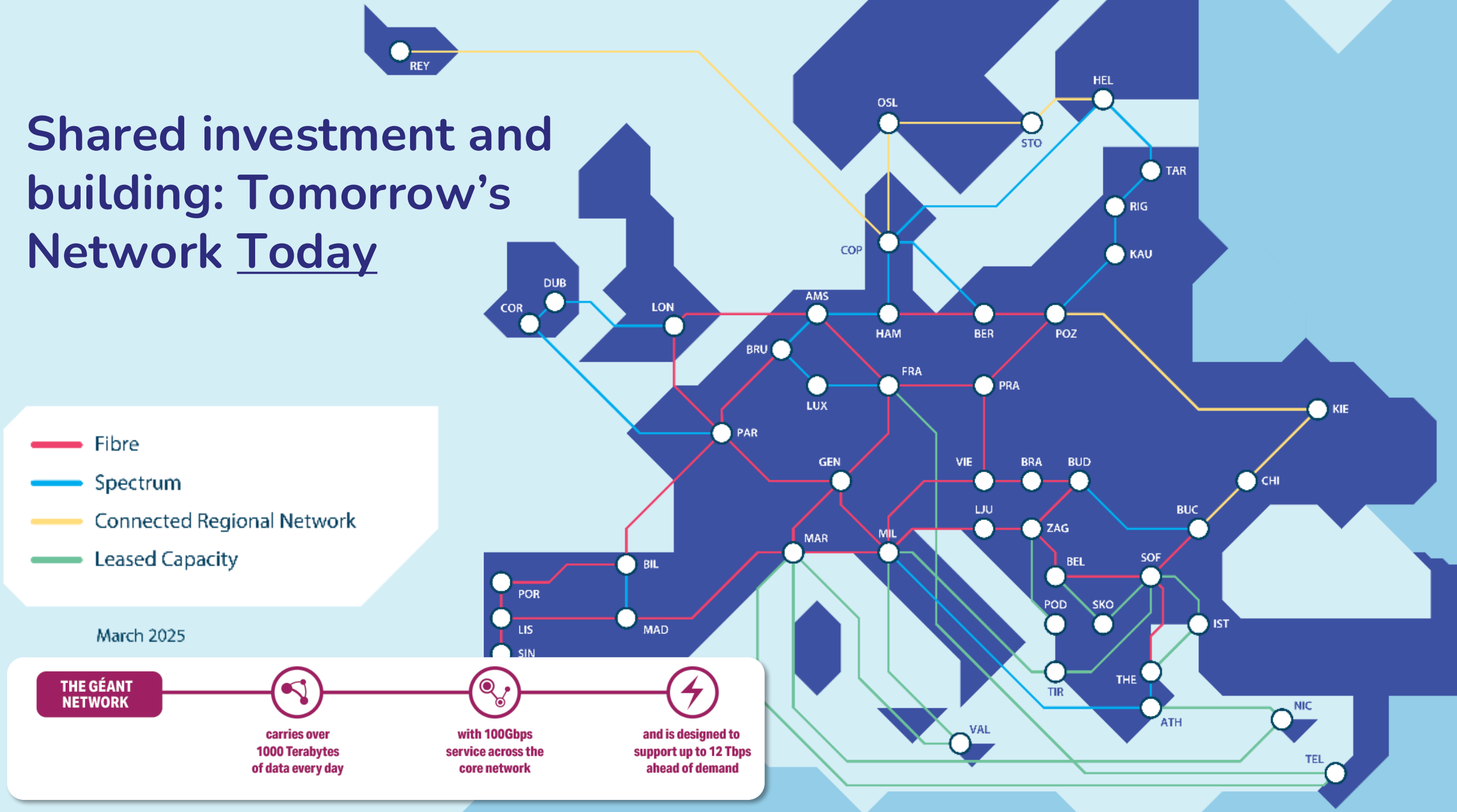
GÉANT

OCRE2024

A European framework built together by the NREN community

KEY ACCESS TO CLOUD SERVICES

Shared investment and building: Tomorrow's Network Today



March 2025

THE GÉANT NETWORK

carries over 1000 Terabytes of data every day

with 100Gbps service across the core network

and is designed to support up to 12 Tbps ahead of demand

What is the EuroHPC Hyperconnectivity Service?

Ultra-high bandwidth, secure, pan-European, interconnect service for the EuroHPC supercomputing infrastructure.

Expands upon the GÉANT network, leveraging the reach and expertise of European NRENs.



- Terabits-per-second networking
- Trusted & Secure architecture
- Federated connectivity
- Flexible ecosystem future-proof technology

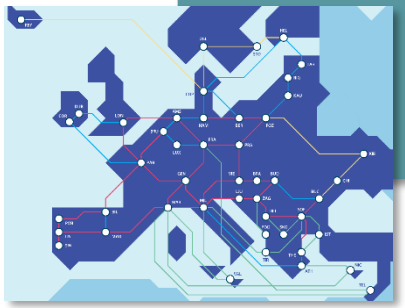
Access to world class HPC resources

THE CORE

Seamless, high-performance access to world-class HPC and cloud resources

Reliable, scalable performance

Federated operating model



THE SITES

Connected to unconstrained networks, optimised for HPC use cases
Capacity guaranteed
Dedicated service assurance



Copyright CSC: https://lumi-supercomputer.eu/media/

Build together
Adapt locally
Multiply the impact



The human network








GÉANT
Thank you!