

GÉANT – at the heart of global R&E networking

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A Regional Conference on "MARWAN: an innovation enabler through advanced e-Infrastructures"

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Runs a membership association for Europe's National Research & **Education Networks (NRENs) GÉANT** Association





Operates a pan-European e-infrastructure GÉANT network

Manages a portfolio of services for research & education eduX



Coordinates and participates in EU-funded projects Under Horizon 2020, the Horizon Europe

programme, and other EU funding programmes

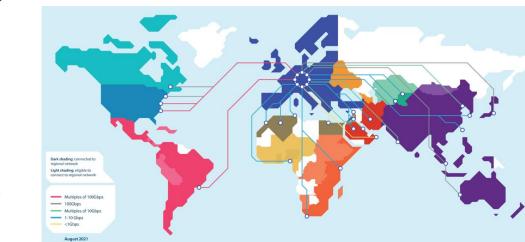


Organises and runs community events & working groups TNC, task forces & special interest groups









GÉANT's strategy

Vision

To collaborate to deliver the infrastructures and services that enable the R&E community to excel.

Mission

To empower R&E with an open, innovative, and trusted information ecosystem.

Ambition

To address and anticipate the needs of the R&E community by offering sustainable, open, innovative and trusted infrastructures and services.

To be a trusted and preferred-choice partner to the benefit of the European R&E community.

To collaborate and share knowledge to enable NRENs to improve their performance, both individually and collectively.

The GÉANT Association is driven by Eight Strategic Goals



Network We are the trusted partner for pan-European and global advanced R&E networking.



Security We provide a safe and secure information ecosystem for researchers, educators, and students.



Innovation We continually evolve key infrastructures, innovate, and develop new services in order to fulfil the needs of the R&E community in a sustainable way.



Community We are acknowledged worldwide as a leader for developing and supporting R&E networking communities, and global REN development.



European Union We are seen by the EU as an indispensable partner for their vision.



Stakeholders We forge relationships with other e-infrastructure providers, research infrastructures (RIs), and other stakeholders, to benefit the R&E community.

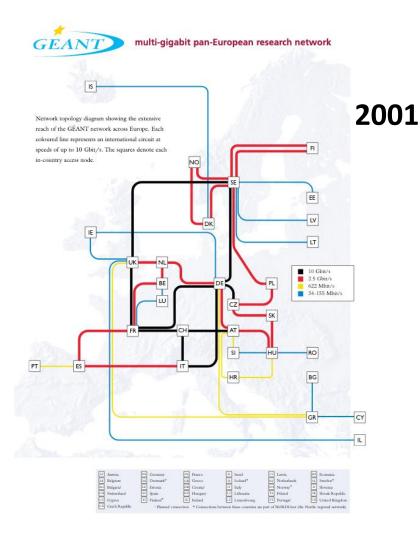


Governance We have a governance structure that is agile and benefits from the diversity of our membership.



Funding We will ensure financial sustainability to benefit our members.

The GÉANT Network





7 Petabytes of data carried per day



Average annual increase in network

traffic over last five years



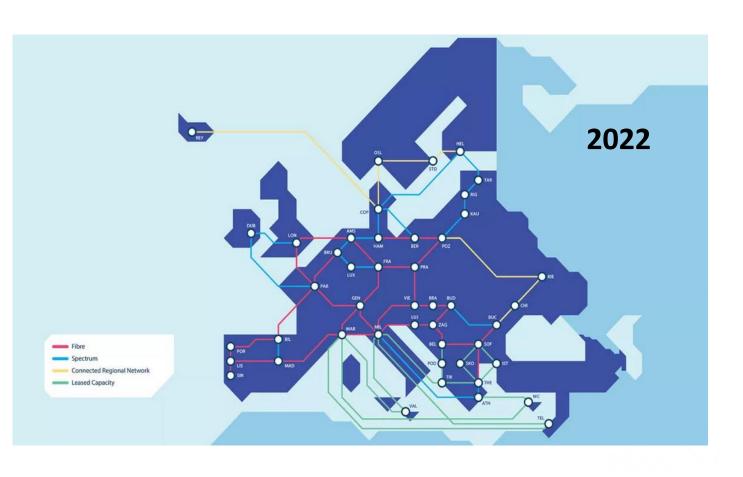
Up to 8 Terabits per second backbone

capacity

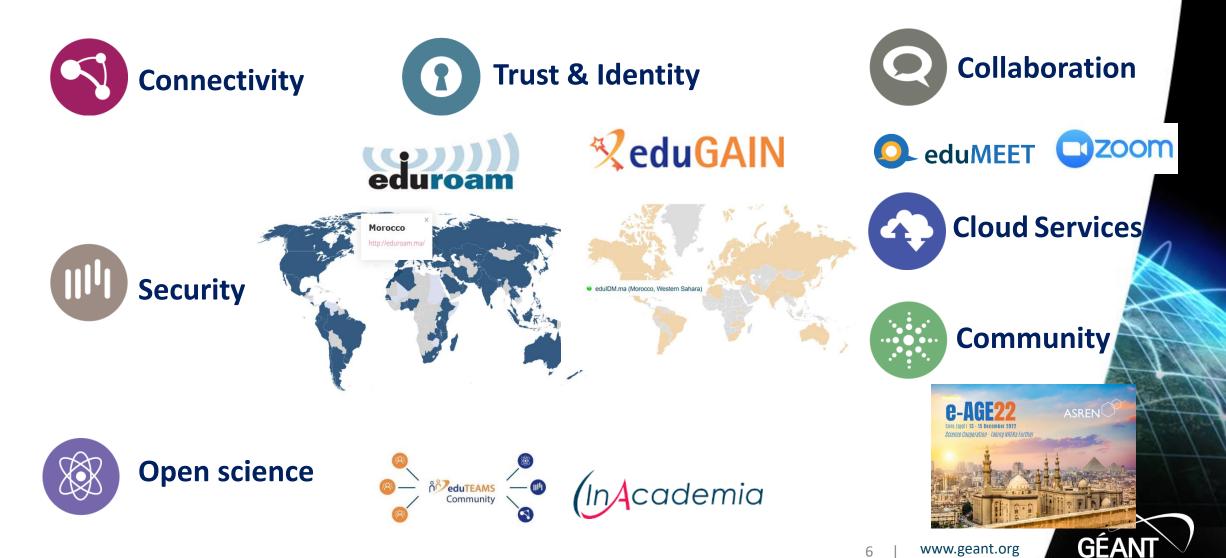


Availability

99.999% Average availability



The value proposition



No room for complacency

Ensure value is understood by the community stakeholders!

Engage!

Show the impact!





GF

User engagement



Physical Sciences Exploring the universe, e.g. SKA, LIGO-VIRGO and CERN, Neutrino observation

e-Infrastructures e.g. PRACE, EGI, EUDAT, EOSC-hub, EuroHPC-JU

Health and Food Pharmaceutical research, e.g. EMBL-EBI, Human Brain Project



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Earth and Environmental Sciences Earth observation, climate monitoring, sustainable development, e.g. EUMETSAT, Copernicus, ESA, Group on Earth Observation, WMO

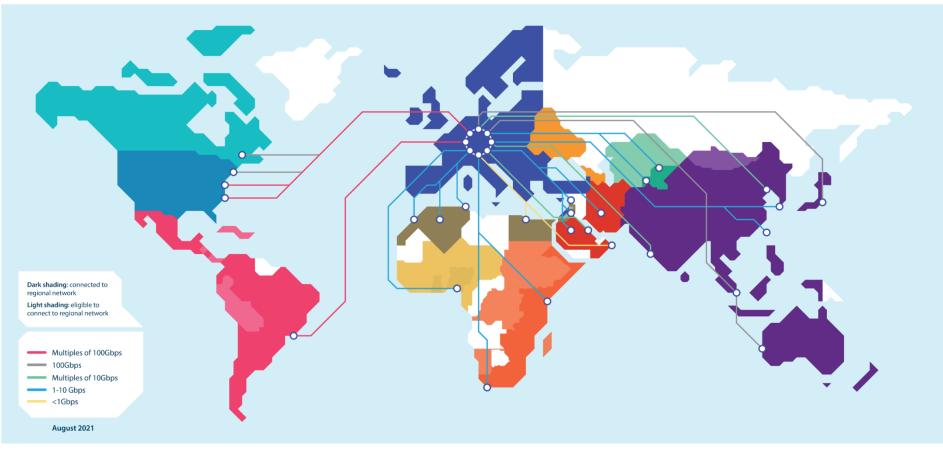
Arts & Humanities Music, art, language, e.g. CLARIN, ASTRA, <u>LoLa</u>

Energy Nuclear power, fusion energy research, e.g. ITER Science engagement

 Need for greater focus on customer support to not technically literate users

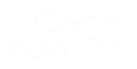
AT THE HEART OF GLOBAL RESEARCH AND EDUCATION NETWORKING











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Thank You

Any questions?





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