

Feedback from NREN user

NOVEMBER
2020

UbuntuNet | 2020
CONNECT

Virtual Event

18- 20 November 2020



Document confidentiel –
ne peut être reproduit ni diffusé
sans l'accord préalable
de Sorbonne Université.

Agenda



1. KEY FIGURES: SORBONNE UNIVERSITY

2. LANDSCAPE OF NETWORKS

RENATER – French NREN and access networks
Géant – Pan-European data network

3. FIRST LOCKDOWN IN MARCH

4. SECOND LOCKDOWN IN NOVEMBER

1

SORBONNE UNIVERSITY

Sorbonne University



- 55 000 students
- 10 000 staff members including 6400 teachers and researchers
- 450 000 alumni

- Top 50 in international ranking

- Involved in partnerships
 - » Europe (Germany, Denmark, Italy, Czech Republic, Poland, Ireland,...),
 - » Latin and North America,
 - » Africa, Asia, and Australia

→ Sorbonne University needs flawless communication networks to exchange with its staff, students and partners.

2

EUROPEAN RESEARCH AND EDUCATION NETWORKS

RENATER Portfolio

Connectivity :



Identity :



Security :



Communication :



Collaboration :



Mobility :



GÉANT Pan-European Networks

ASSOCIATION



Géant is a pan-European data network

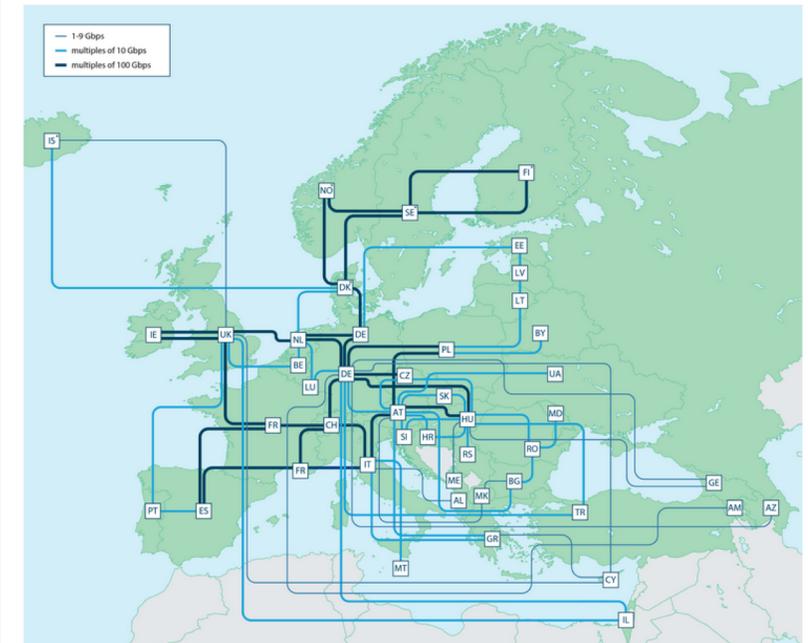
- Interconnects NREN inside Europe
- Interconnects Europe with a Global Research and Education network

For

- Connectivity
- Mobility
- Services authentication



GÉANT's pan-European **research and education network** interconnects Europe's National Research and Education Networks (NRENs). Together we connect over **50 million users** at 10,000 institutions across Europe.

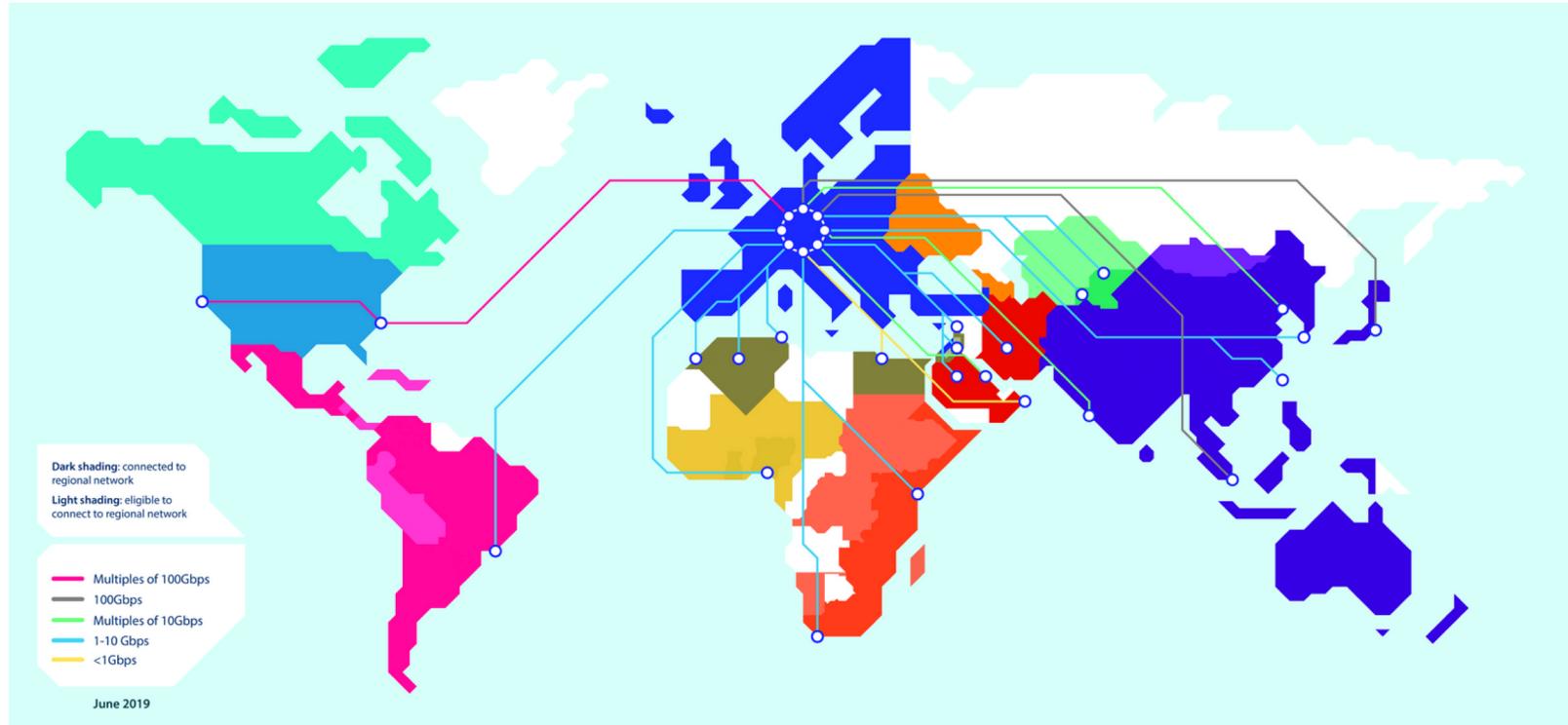


GÉANT's pan-European network is funded by the GÉANT Project (GN4-2), which received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement 731122. Connectivity to the Eastern Partnership countries (AM, AZ, BY, GE, MD, UA) is provided through the EaPConnect project, with 95% funding from the European Commission DG NEAR under grant agreement 2015-356353. The map shows topology as at December 2018. The GN4-2 and EaPConnect partners are listed below.



*Connections between these countries are part of NORDUnet (the Nordic regional network)

AT THE HEART OF GLOBAL RESEARCH AND EDUCATION NETWORKING



This map is produced as part of the GÉANT Specific Grant Agreement GMA-3 (No. 836726), that has received funding from the European Union's 2020 research and innovation programme under the GÉANT2020 Framework Partnership Agreement (No. 653998). The content of this document is the sole responsibility of GÉANT and can under no circumstances be regarded as reflecting the position of the European Union.

geant.org

3

LOCKDOWN IN MARCH 2020

Lockdown – March 2020



Sobonne University IT

- A never encountered experience
- Remote access has never experienced such an outstandingly high demand
- Generating user anxiety and IT staff discomfort

NREN support

- First and foremost, connectivity
- Then availability and capacity

→ NRENs have in real time increased peering and exchange points with public operators to enable remote work.

→ They gave us time to find and provide commercial or non-commercial solutions for our users

4

CURRENT LOCKDOWN

Lockdown – March 2020



We have learned from the previous one

- Don't ask too much to your NRENs, their first job is network connectivity
- Your infrastructures are more powerful than you thought, but stay alert and provide better solutions
 - » A webinar cluster in the cloud (80 servers, 8000 BBB sessions) to enable distance learning
 - » A cluster in the cloud to increase “on demand” capabilities

Our users

- Confident and ask for improvement
- IT infrastructure is not the only point, staff and students - especially scholarship recipients - need laptops

MERCI

THANK YOU FOR YOU ATTENTION !

