

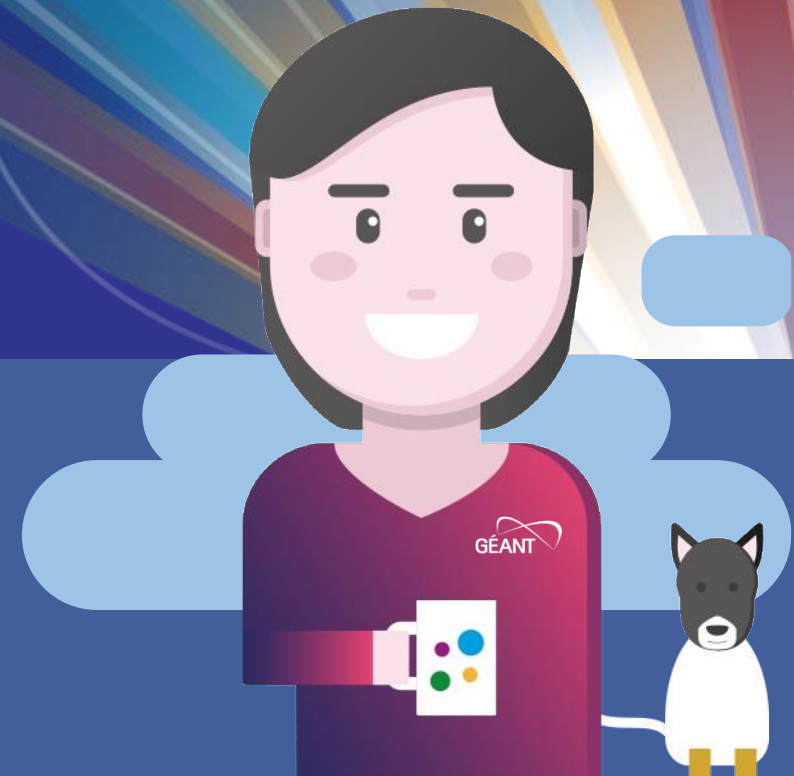


Collaboration between Latin America and Europe – Forming Digital Alliances

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Taller RedCLARA, Panama City
16 November 2023

Public





“Europe must lead the transition to a healthy planet and a new digital world. But it can only do so by bringing people together and upgrading our unique social market economy to fit today’s new ambitions.” Ursula von der Leyen, President of the European Commission

The European Green Deal

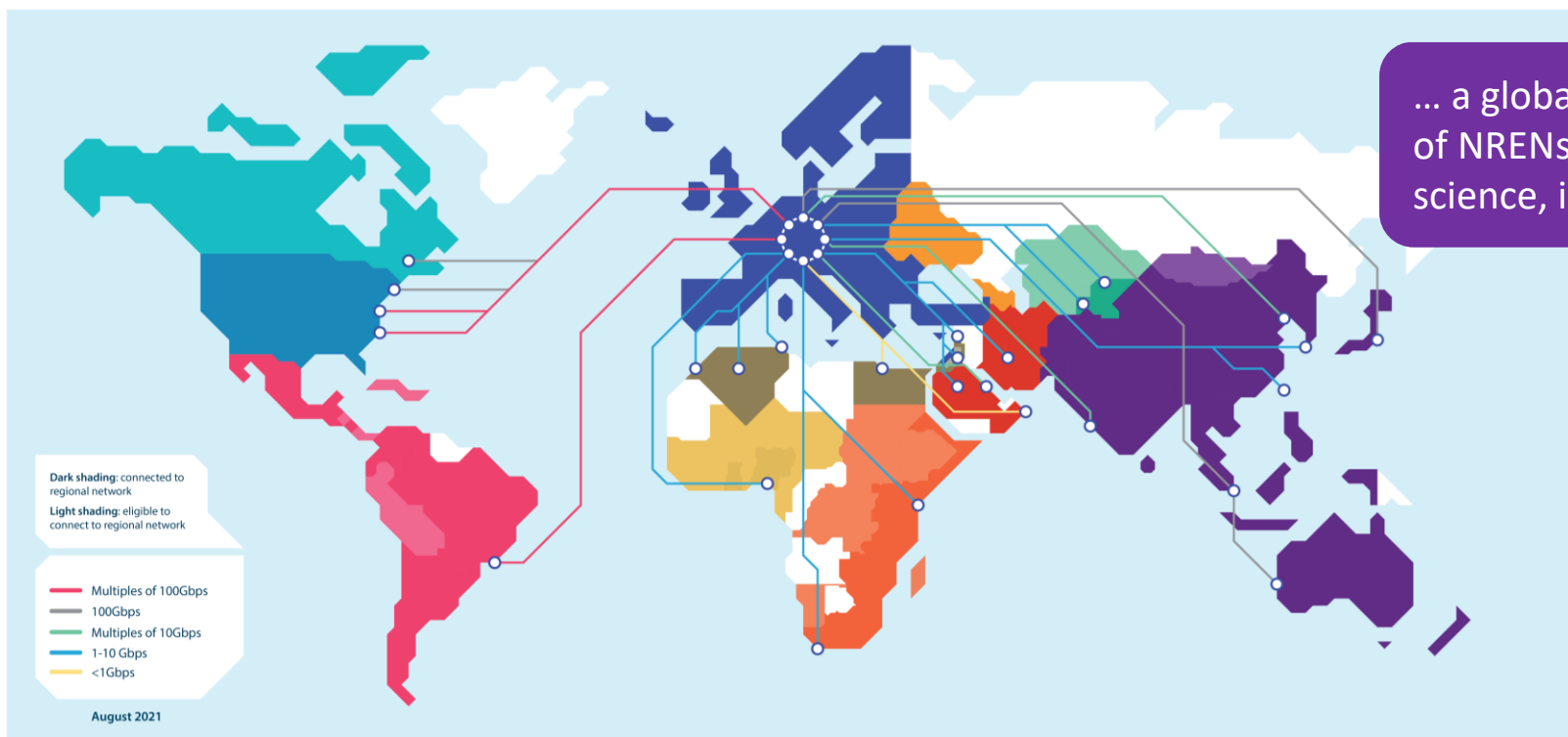
- On 14 July 2020, the European Commission adopted a set of proposals to make the EU's climate, energy, transport and taxation **policies fit for reducing net greenhouse gas emissions by at least 55% by 2030**, compared to 1990 levels. Achieving these emission reductions in the next decade is crucial to **Europe becoming the world's first climate-neutral continent by 2050** and making the European Green Deal a reality.
- https://ec.europa.eu/info/strategy/priorities-2019-2024/european-green-deal/delivering-european-green-deal_en



**The Twin Transitions:
Digital Transformation and
Positive Climate Action**

Europe's Global Reach

The GÉANT network interconnects research, education and innovation communities worldwide, with secure, high-capacity networks.



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



Canada & USA	Latin America	Europe	North Africa & Eastern Mediterranean	West & Central Africa	Eastern & Southern Africa	Central Asia	Asia-Pacific	Other R&E Networks

The footer of the slide features a series of logos for various regional and international networks, organized into columns corresponding to the regions on the map above. From left to right, the columns are: Canada & USA (canarie, ESnet), Latin America (Red CLARA), Europe (GÉANT, EU4Digital, EaPConnect), North Africa & Eastern Mediterranean (ASREN), West & Central Africa (Africa logo), Eastern & Southern Africa (UbuntuNet Alliance), Central Asia (CAREN), Asia-Pacific (TEIN), and Other R&E Networks.

6.4

BILLION
TIMES

Fibre capacity for the European Research Area



- Fibre
- Spectrum
- Connected Regional Network
- Leased Capacity

Many Opportunities

- NRENs and regional RENs like RedCLARA and GÉANT are more relevant than ever. Our support to both **R and E** is recognised by governments and organisations across the world
- The collaboration between GÉANT and RedCLARA has successfully delivered over the last 20 years
- RedCLARA is a unique organisation in the way it represents Latin America

“If a window of *opportunity* appears, don't pull down the shade.” *Tom Peters*

GN5



EOSC



EuroHPC



Quantum



International



standardization

Security

compliance/legal

Trust and Identity

Secure Connectivity



BELLA Programme – Global Gateway in Action



Objective:	<ul style="list-style-type: none"> • Long-term interconnectivity between the European and Latin American R&E communities • Builds on successes of ALICE and ALICE2 projects (2003 to 2012)
Budget:	<ul style="list-style-type: none"> • BELLA-S: €18.56M EU funding & €7.5M co-funding • BELLA-T: 4M€ EU funding, €8M co-funding plus in-kind contributions from LATAM NRENs
Duration:	<p>Project Implementation:</p> <ul style="list-style-type: none"> • BELLA-S1: May 2016 – Dec. 2021 • DG DEFIS Service Contract: Dec. 2016 – Dec. 2021 • BELLA-T: Mid-2016 – June 2022 <p>BELLA Consortium:</p> <ul style="list-style-type: none"> • From May 2016 to ca. July 2046
Website:	https://bella-programme.eu
Coordinating Partners:	EU-funded BELLA projects: GÉANT; RedCLARA Bella Co-Chairs (2016-2022): RedCLARA & GARR
BELLA Consortium Members	<ul style="list-style-type: none"> • DFN; FCT FCCN; GARR; GÉANT; RedIRIS; RENATER • CEDIA (EC); RedCLARA; REUNA (CL); RNP (BR)



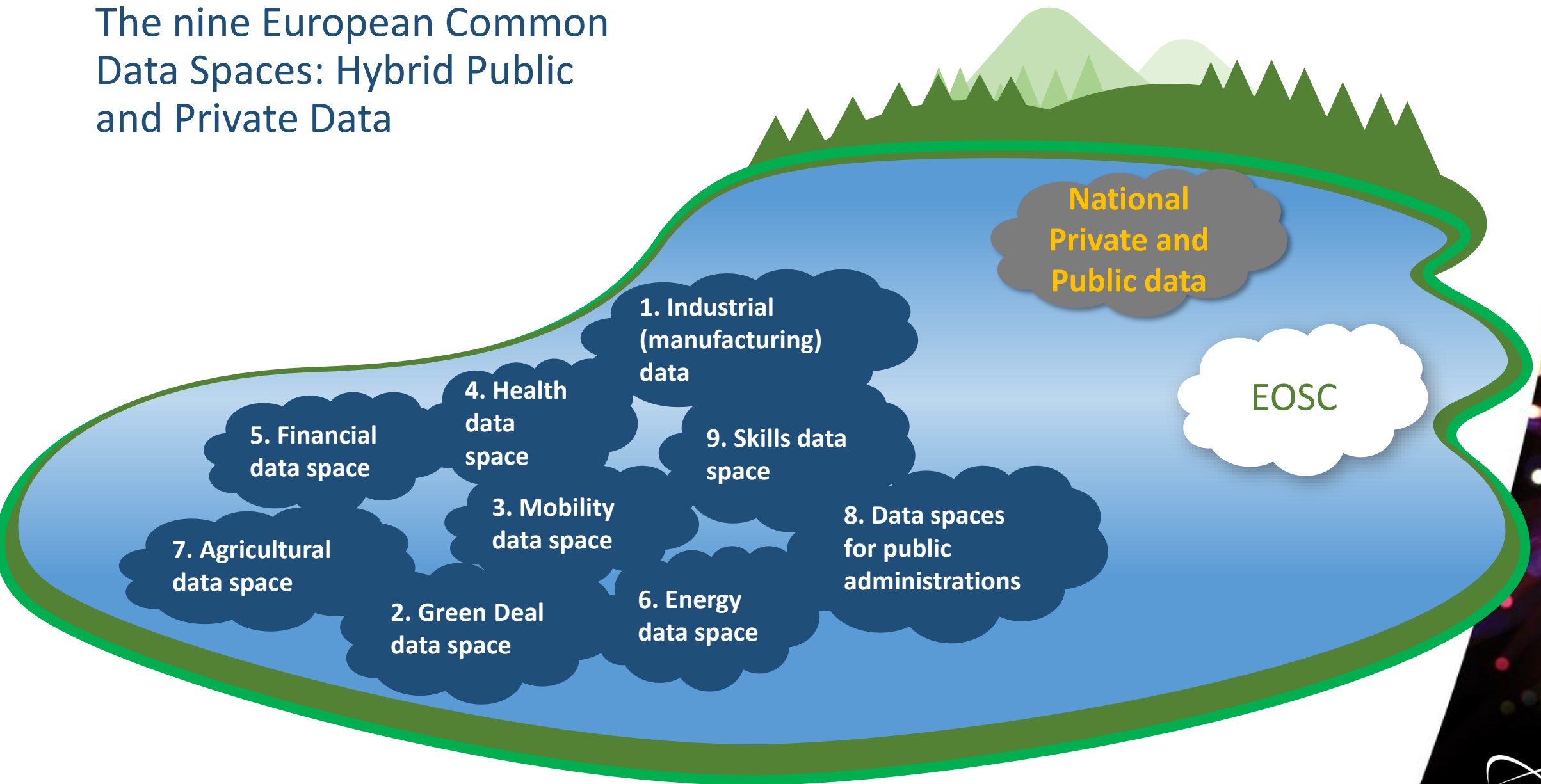
BELLA II
Building the Europe Link to Latin America and the Caribbean



European Data Strategy

- To create a single European data space: a genuine single market for data, where personal as well as non-personal data, including confidential data, are secure.
- This will make it easier for businesses and public authorities to access an almost infinite amount of high-quality data to boost growth and create value, while reducing the carbon footprint of the EU economy.
- To capture the benefits of better use of data, including greater productivity and competitive markets, but also improvements in health and well-being, environment, transparent governance and convenient public services.

The nine European Common Data Spaces: Hybrid Public and Private Data



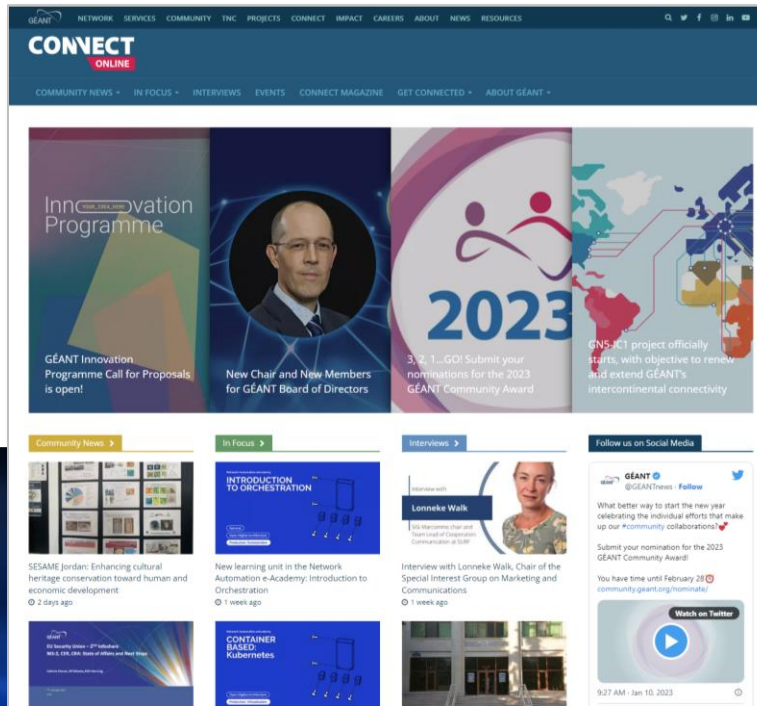
Space, the digital twins and AI

- Making data from the Space domain readily available to the public and private sector is a key aim of the EC.
- A digital twin is a digital replica of a living or non-living physical entity.
- Digital twins require an underlying infrastructure to support them, such as high-performance networking, compute and storage.
 - The advantage of these infrastructures is that it would allow AI to interrogate underlying data sets, in order to predict future events
- In April 2021, the Commission presented its AI package, including:
- its Communication on fostering a European approach to AI;
- a review of the Coordinated Plan on Artificial Intelligence (with EU Member States);
- its Regulatory framework proposal on artificial intelligence and relevant Impact assessment.

Interested and looking for more detail?

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- Three CONNECT magazines per year – strategic articles e.g. “*The SOTEU and why it matters*”, “*GÉANT fit for 2028*”, etc.
- CONNECT website gathering all community news
- Weekly newsletter – keeping up with the GEANT community





Happy 20TH Birthday!

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As part of the GÉANT 2020 Framework Partnership Agreement (FPA), the project receives funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 856726 (GN4-3).

