

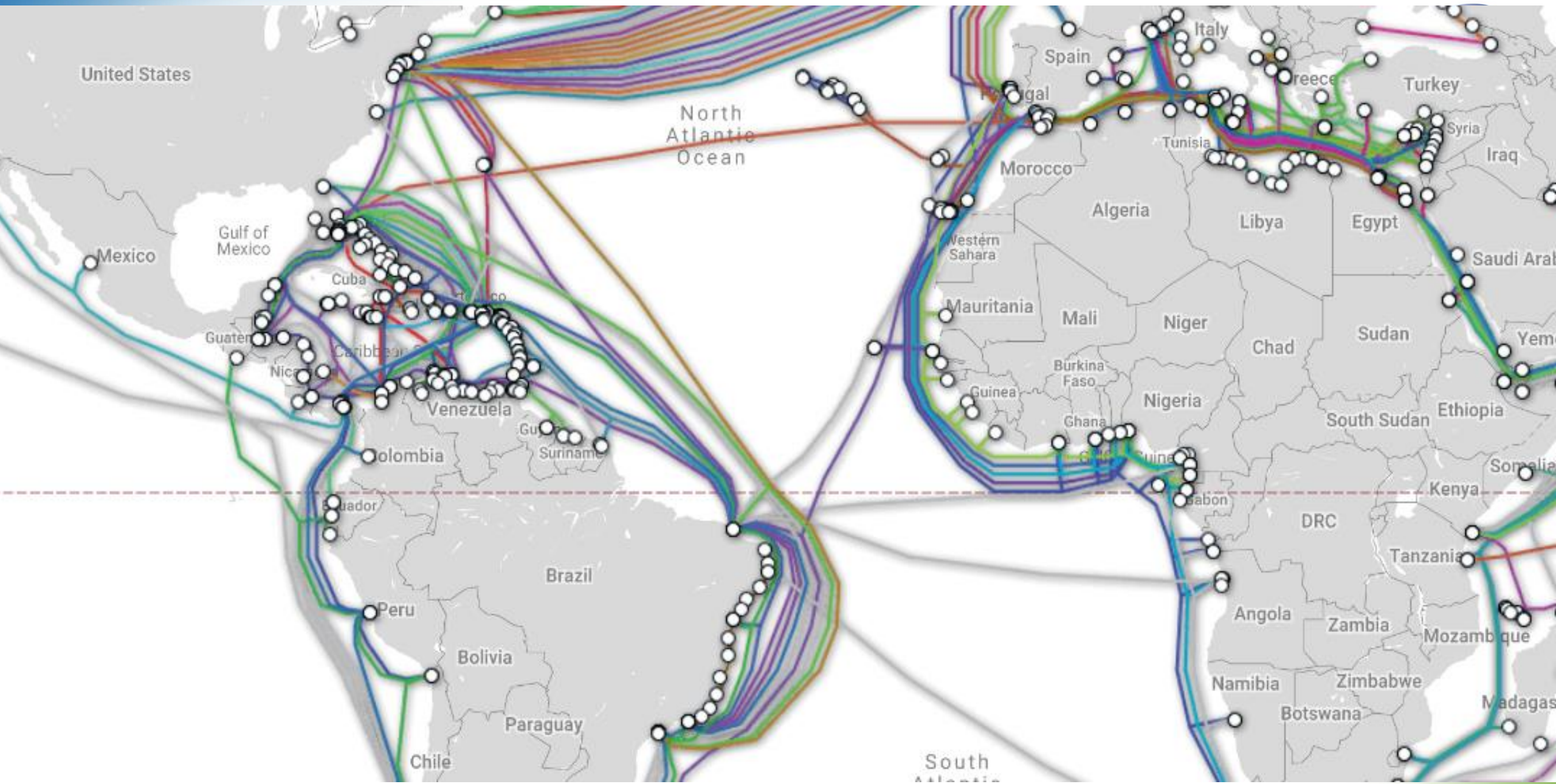


BELLA

Connecting Europe and Latin America for the next 25 Years

Annabel Grant | GÉANT | 07-05-18 | Portuguese–Spanish Workshop on Research and Education Networks and E-Science





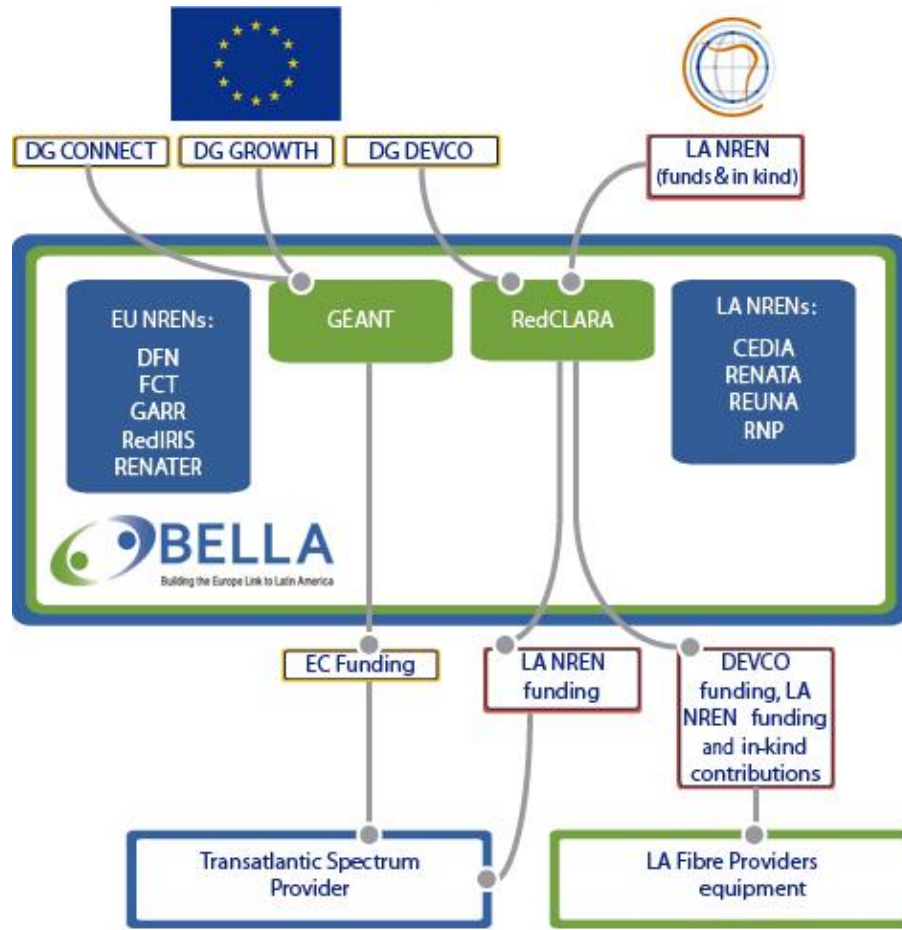
BELLA Programme

Addressing the Challenge



- BELLA addresses the R&E connectivity challenge between Europe and Latin America by:
 - Procuring spectrum on the direct submarine cable between Europe and Brazil; including:
 - Will initially deploy two upgradeable 100Gbps links to meet GÉANT-RedCLARA and Copernicus needs
 - Enable deployment of additional links at 100Gbps when required
 - Completing the RedCLARA dark fibre network and deploying a 100Gbps upgradeable network from Brazil to Colombia

Funding and Building BELLA



- Implemented by the BELLA Consortium
- Funding provided by:
 - European Union:
 - DG CONNECT
 - DG GROWTH
 - DG DEVCO
 - Latin American NRENs
- Procurement completed. Intent to Award contract formally announced and contract signature in preparation
- Cable Construction to be completed in 2020

BELLA: Benefiting R&E

- Collaboration Areas which will benefit from BELLA:
 - High Energy Physics
 - Molecular Biology
 - Environment and Climate Change
 - The Arts



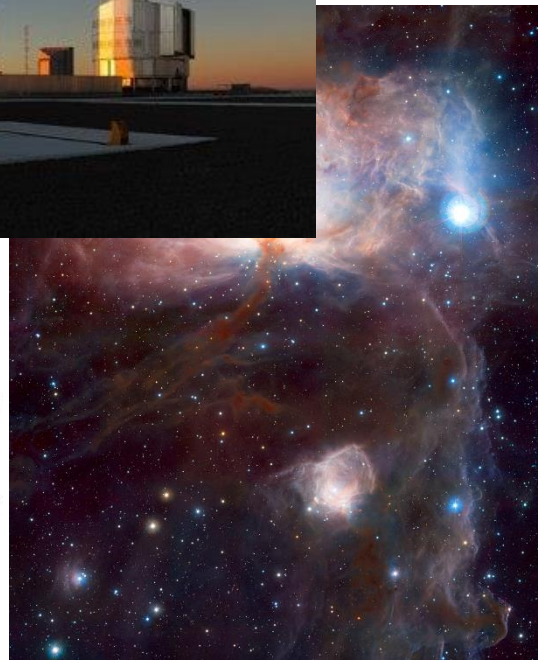
BELLA: Benefiting R&E – Astronomy Collaboration



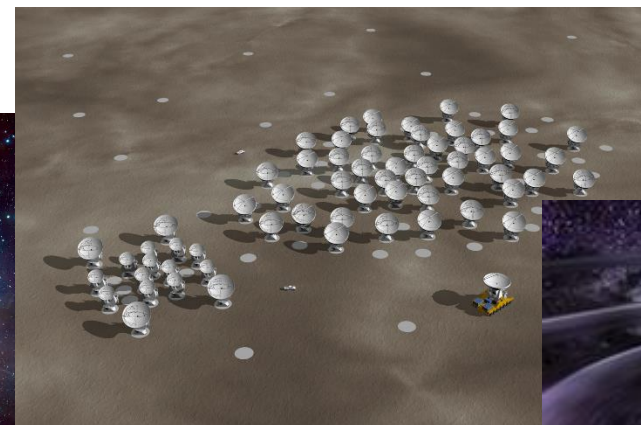
Cerro Paranal



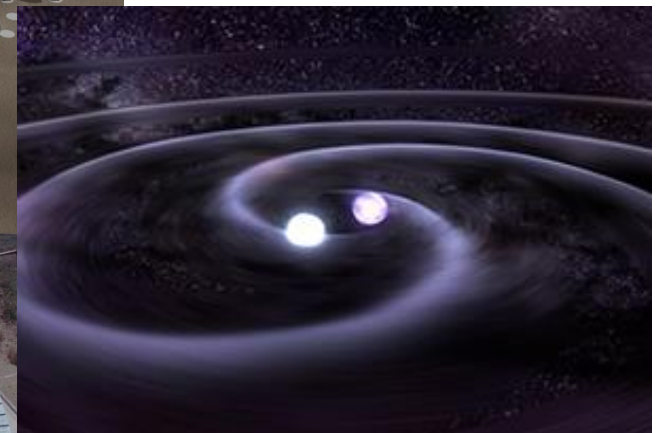
E-ELT



ALMA



Pierre Auger Observatory





Thank you

www.geant.org



© GEANT Limited on behalf of the GN4 Phase 2 project (GN4-2).
The research leading to these results has received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No. 731122 (GN4-2).