



BELLA: The results of a great collaboration

Since BELLA's (Building the Europe Link to Latin America) submarine connectivity [was inaugurated](#) as part of the TICAL2021 opening ceremony, the volume of [data transfer between Latin America and Europe](#) has increased from 5 Gbps to 20 Gbps. Before the cable, the data from Latin America that RedCLARA transported to GÉANT left the American continent to Europe via the United States, which increased latency; thanks to the transatlantic cable that latency drops from 202 to 64 milliseconds.

The southern section of BELLA-T (terrestrial phase of the BELLA Programme) is deployed and in operation. The connectivity of the land section between Porto Alegre (Brazil), Buenos Aires (Argentina) and Santiago (Chile), concluded on December 20, 2021, [was officially inaugurated on January 26, 2022](#), in an event held in a virtual fashion, with the participation of authorities from the European Union (EU), the governments of the participating countries and the national research and education networks of Latin America. This segment has 6,070 kilometers of terrestrial telecommunications infrastructure, with capacities of up to 600 Gbps and will benefit more than 1,550 institutions.

The northern segment covering the connections between Brazil and Panama, and between Panama and Ecuador, was successfully connected and tested on the 27th of April 2022. The BELLA-T infrastructure is already in operation, with more than 34,000 kilometers connecting the academic network users of REUNA in Chile, RNP in Brazil, and CEDIA in Ecuador to the BELLA-S submarine cable and leaving the opportunity open to activate or connect the academic networks of Panama, Colombia and Argentina in the short



term. The final launch event is expected to be held in June.

RedCLARA will enable the final topology with the opening in Panama in the second week of June, and it is leaving unlocked the option for the future connection to the BELLA's backbone for the Central American countries. RedCLARA is in negotiations with the EC for a successor project to BELLA-T to extend its experiences and benefits to Central America.

BELLA is implemented by a Consortium of Regional Research and Education Networks GÉANT (Europe) and RedCLARA (Latin America) and the National Research and Education Networks (NREN) of Brazil, Chile, Ecuador, France, Germany, Italy, Portugal and Spain.

BELLA Programme = BELLA-S + BELLA-T

August 30, 2021:

BELLA-S submarine connectivity is inaugurated

April 27, 2022:

BELLA-T infrastructure goes into operation



Submarine cable multiplies by 4 the data transfer between Latin America and Europe



Funding for BELLA is provided by the European Union via three EC Directorates General (DG CONNECT, DG INTPA and DG DEFIS) and by the Latin America NREN community.