RESPONSE TO CORONAVIRUS FROM THE LATIN AMERICAN RESEARCH AND EDUCATION NETWORKS

An outline report on the impact of collaboration.

Red CLARA

UNITED AGAINST CORONAVIRUS

The National Research and Education Networks (NREN) of Latin America, together with RedCLARA, are coordinating actions to support our member organizations and the health authorities of our countries in the fight against the Coronavirus (Covid-19). The capacity of our networks supports Universities and Research Centres that are vital in the fight against the disease, and they count on our unrestricted support in this circumstance.

Check out our support initiatives and get the information you need in order to access them

About RedCLARA

- Creation: 2003 in Valle del Bravo. 13 Latin American NRENs
- Mission: Strengthen development of science, education, culture and innovation using advanced networks.
- History of succesfull cooperation with Europe (12 projects funded through the EC: Alice, Alice2, Elcira, Magic)
- International NGO organization with headquarters in Montevideo, Uruguay.
- Cooperative DNA.
- Organization:
    - Assembly of Members.
    - Board of Directors
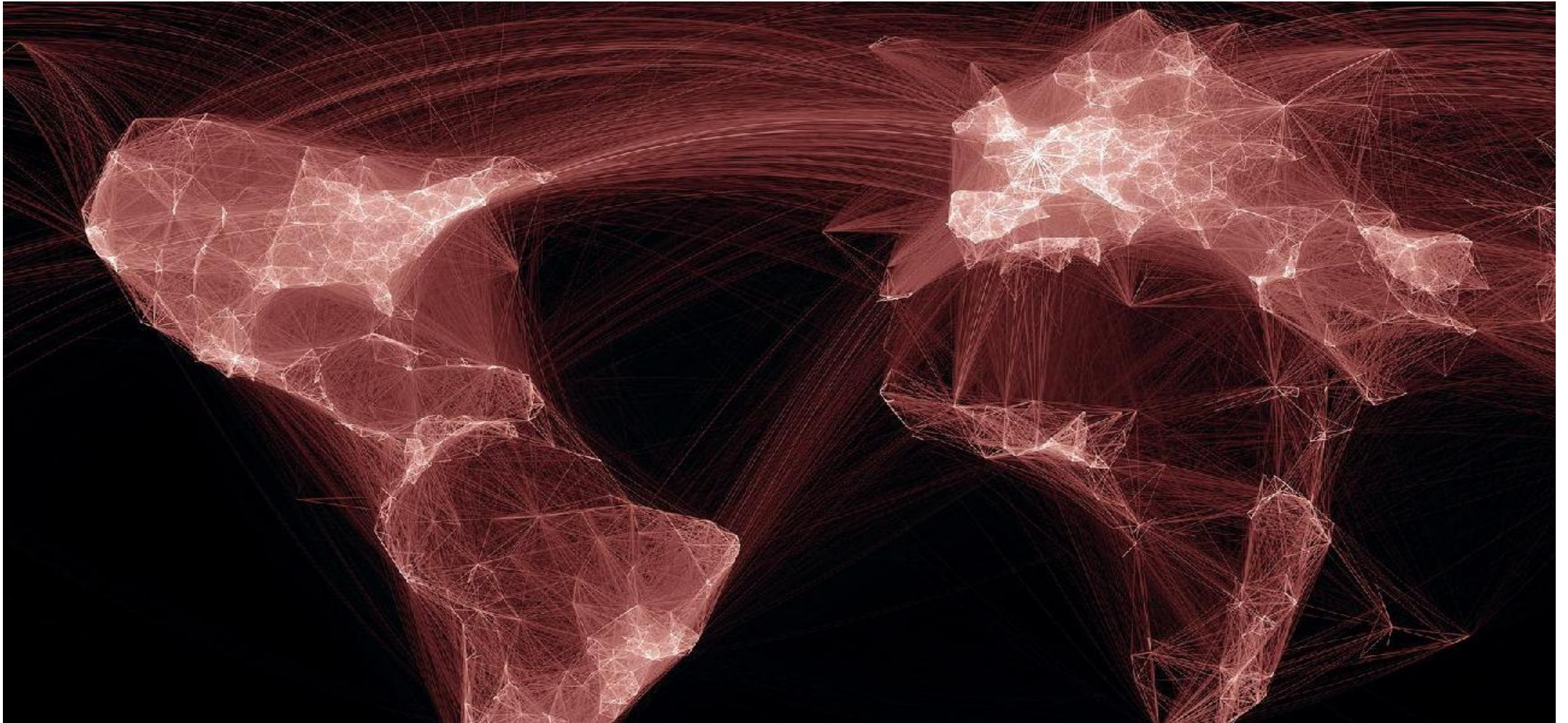   - Offices in Montevideo, Santiago and Bogotá

Collaborative Approach
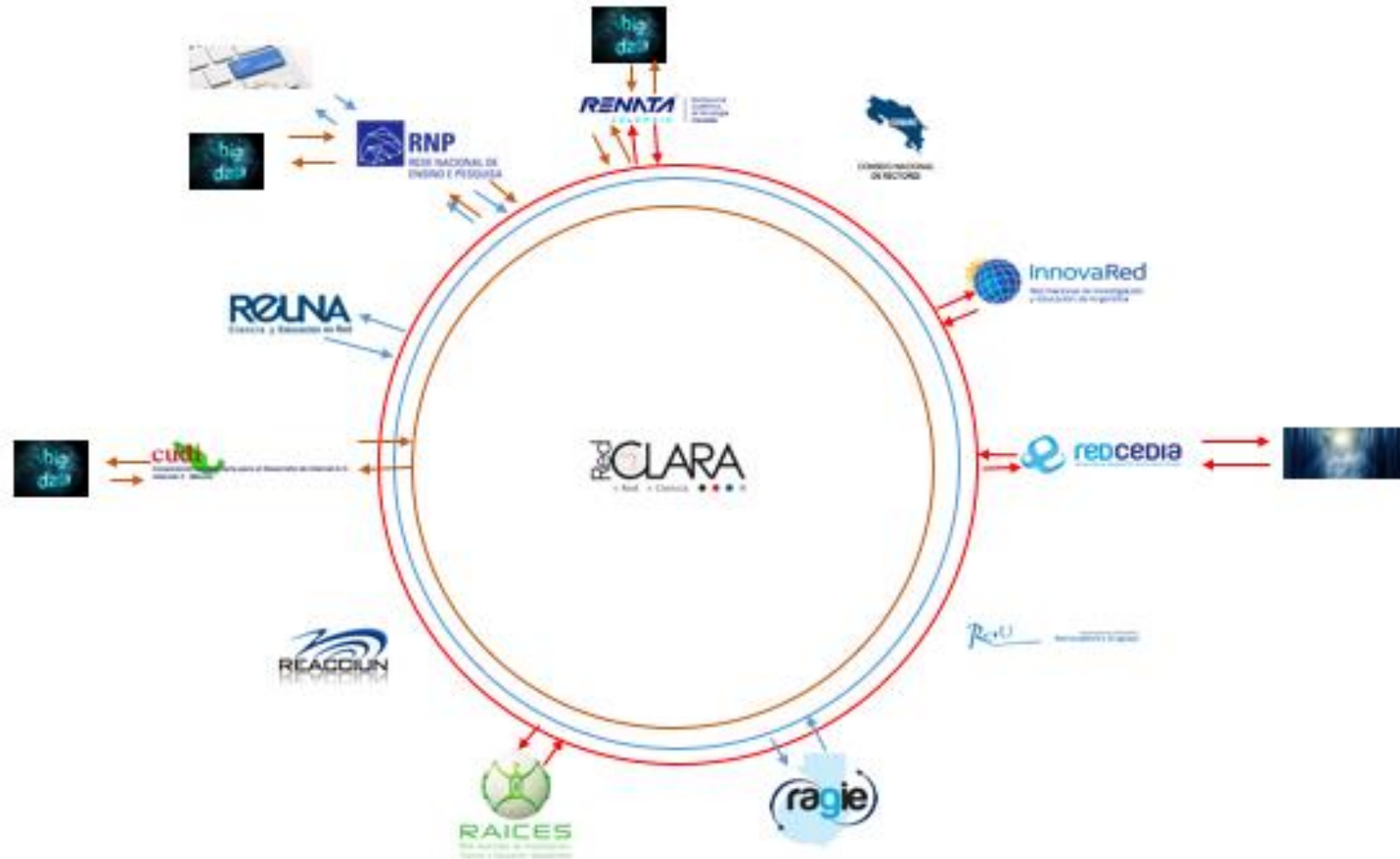
Scientific Collaboration

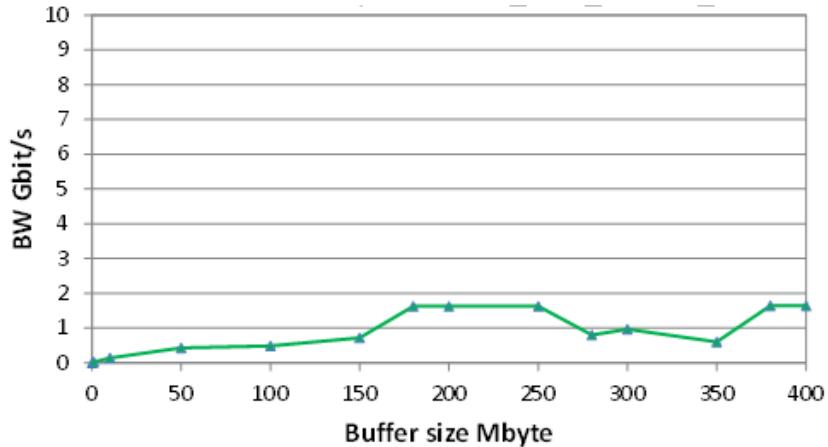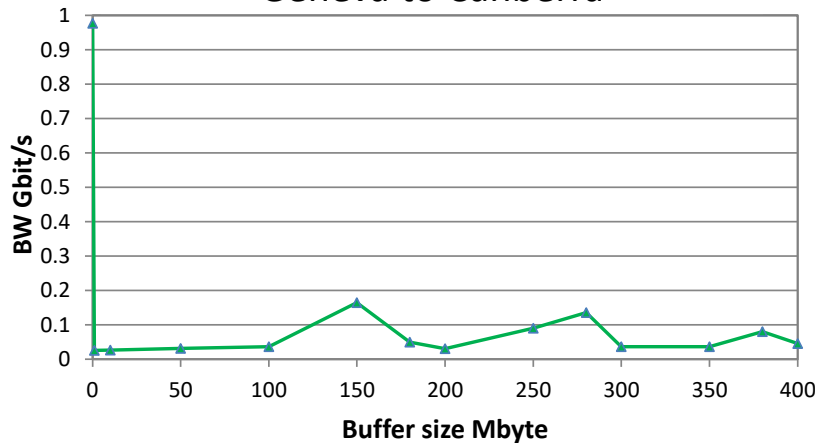# Optimised for research data transfers

Geneva to Canberra

GEANT and R&E partners

Geneva to Canberra GEANT + R&E networks US to Australia

Geneva to Canberra
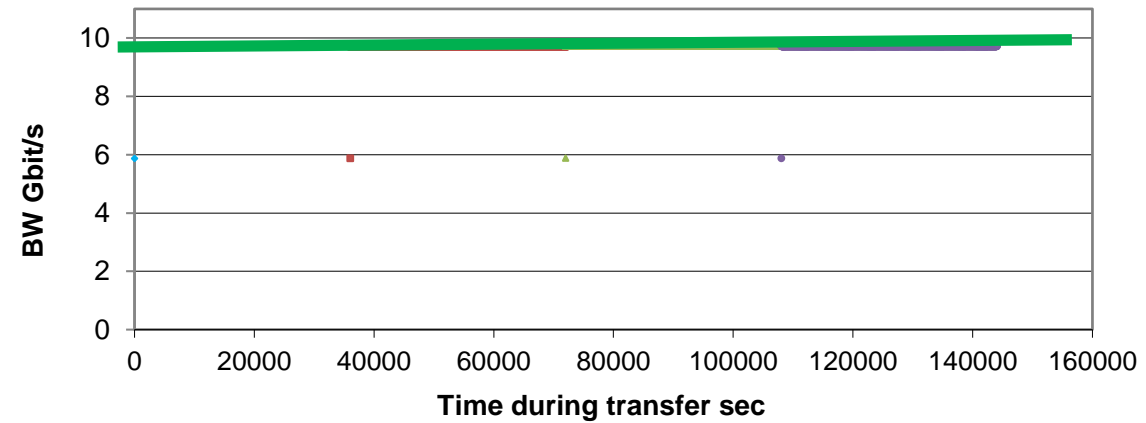
R&E networks are designed for different goals than Internet

Comparative Times for a 100TByte data transfer.

File Size (TB)		Data rate (Gbit/s)	Time taken (Hours)	Time Taken (Days)
NREN	100	9.27	34.0	1.4
ISP A	100	1.72	183.2	7.6
ISP B	100	0.11	2864.3	119.3

high performance computing

Open Science

RedCLARA and its partners helping to publish and reference scientific data

Open Science

EXPLORE THE SCIENTIFIC PUBLICATIONS OF LATIN AMERICA IN OPEN ACCESS

LA Referencia gives visibility to the scientific production of higher education and research institutions in Latin America, promotes open and free access to the full text, with special emphasis on publicly financed results.

WE DEVELOP HARVESTING TECHNOLOGIES

WE OFFER GUIDELINES AND METADATA HARVEST

WE BOOST INTEROPERABILITY AGREEMENTS

WE ARE A NETWORK OF **REPOSITORIES OF OPEN ACCESS** TO SCIENCE IN LATIN AMERICA

SCALAC, REDES ACADÉMICAS LATINOAMERICANAS Y REDCLARA

brindan capacidad de procesamiento gratuito para estudios relacionados con el COVID-19

Más información
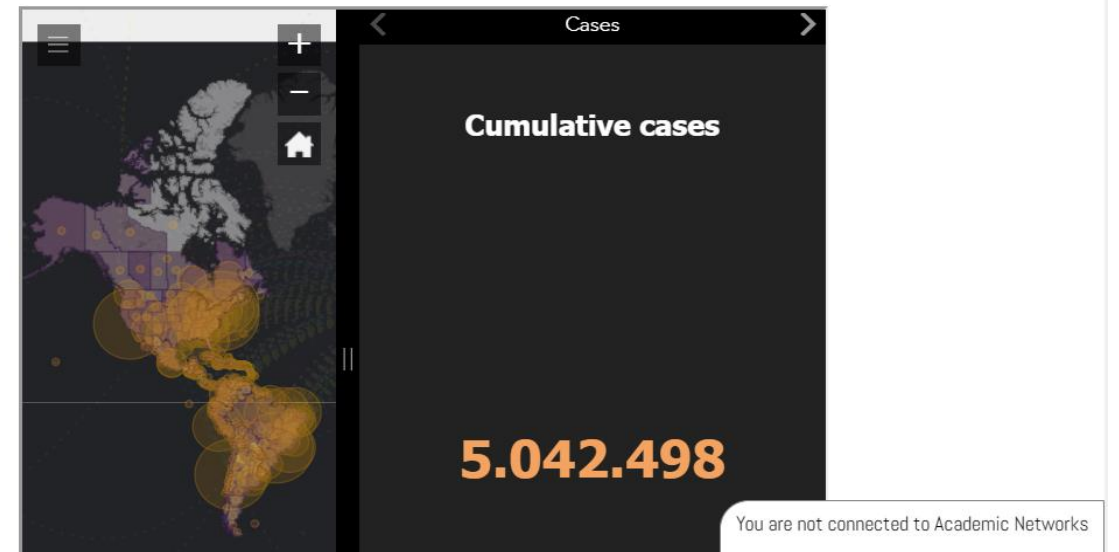
CORONAVIRUS

United against Coronavirus

The National Research and Education Networks (NREN) of Latin America, together with RedCLARA, are coordinating actions to support our member organizations and the health authorities of our countries in the fight against the Coronavirus (Covid-19). The capacity of our networks supports Universities and Research Centres that are vital in the fight against the disease, and they count on our unrestricted support in this circumstance.

Go down through this page and check out our support initiatives and get the information you need in order to access them.

This contribution is part of the collaborative actions that the National Research and Education Networks (NREN) of Latin America are coordinating, together with RedCLARA, to support our partner institutions in the fight against the Coronavirus (COVID-19).

For more information about this or other free services to face the situation that plagues us due to the

PAHO: Novel Coronavirus - COVID-2019- geographic distribution in the Americas - Updated on March 18, 2020

Cases

Cumulative cases

5.042.498

You are not connected to Academic Networks

Coronavirus Webinars Videos

Desktop Videoconference

For hospitals, health centres, health professionals and researchers, Universities and Research Centres.

+ Information

Processing Capacity

Provision through Scalac of computing capabilities, in all its computing centres at the regional level, for research activities associated with the virus.

+ Information

Wolfram - Mathematica

Free access to the "Mathematica Online" - a modern technical computing system - tool will last until August 15, 2020.

+ Information

VC Espresso

The VC Espresso videoconferencing service is an easy-to-use tool, available 24 hours a day and

Cisco WebEx Meetings

Through RedCLARA, Cisco will offer

Heavy Files Transfer - eNVIO

With this large file transfer service, you can upload documents, images, presentations, videos and

COVID-19 | Innovación Tecnológica en la educación en tiempo de crisis, sesión 2, 04-24-2020

COVID-19: Innovación Tecnológica en la educación en tiempo de crisis, sesión 1, 04-22-2020

Día Virtual Coronavirus, sesión 2, Salud Mental, 03-27-2020

Día Virtual Coronavirus (COVID-19) El Virus, 03-26-2020

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THEMATIC COMMUNITIES / WORKING GROUPS

- Education in Digital Age
- Climate Change
- HPC – Advanced Computing
- Health
  - RUTE L.A.

IMPACT

- More than 20000 Video Conferencing licences made availble to the Community.

- Support to more than 70 universities, mainly in Central America and Mexico.

- Innovative solutions in each of the networks.

- Webinars to guide the community with topics of:
  - Covid-19
  - Virtual Education
  - Webinar with GEANT-Europe (Dealing with COVID in the European R&E Community)
  - Online Telehealth Solutions (CEDIA, REUNA) (https://coronavirus.udec.cl)
  - Health Centers Connectivity Support (RNP) – 16000 basic health units connected.

IMPACT

- Development of low-cost ventilator solutions at member universities (RAICES el Salvador)

- Provision of Moodles cloud platforms for Universities.

- Other health projects: Echo Project at CEDIA Ecuador

- Supporting other organizations to develop their events online. Includes TICAL2020, AmeriGEO Week, IDRC Workshops and others.

SOME CHALLENGES

- Connectivity available in some countries.

- A regional public good managed by a non-governmental organization, this generates little capacity to generate the required investments with only the contributions of the member networks. Public policies are needed in this regard, both for the national networks and at the regional level.

- Many more resources are required to have cloud capacities that can support the development of many of these initiatives.

- Geolocation resources are required for multiple pandemic monitoring issues (contact ESRI)

- How can we move forward with projects like the one in Central America?

SOME CONCLUSIONS

- The impact of Covid has generated an important impulse to promote the digital transformation in the region.

- There will be no return to normality, a new standard will surely be generated.

- This opens up enormous opportunities for us to collectively generate a transformative process in Universities and Research Centres.