

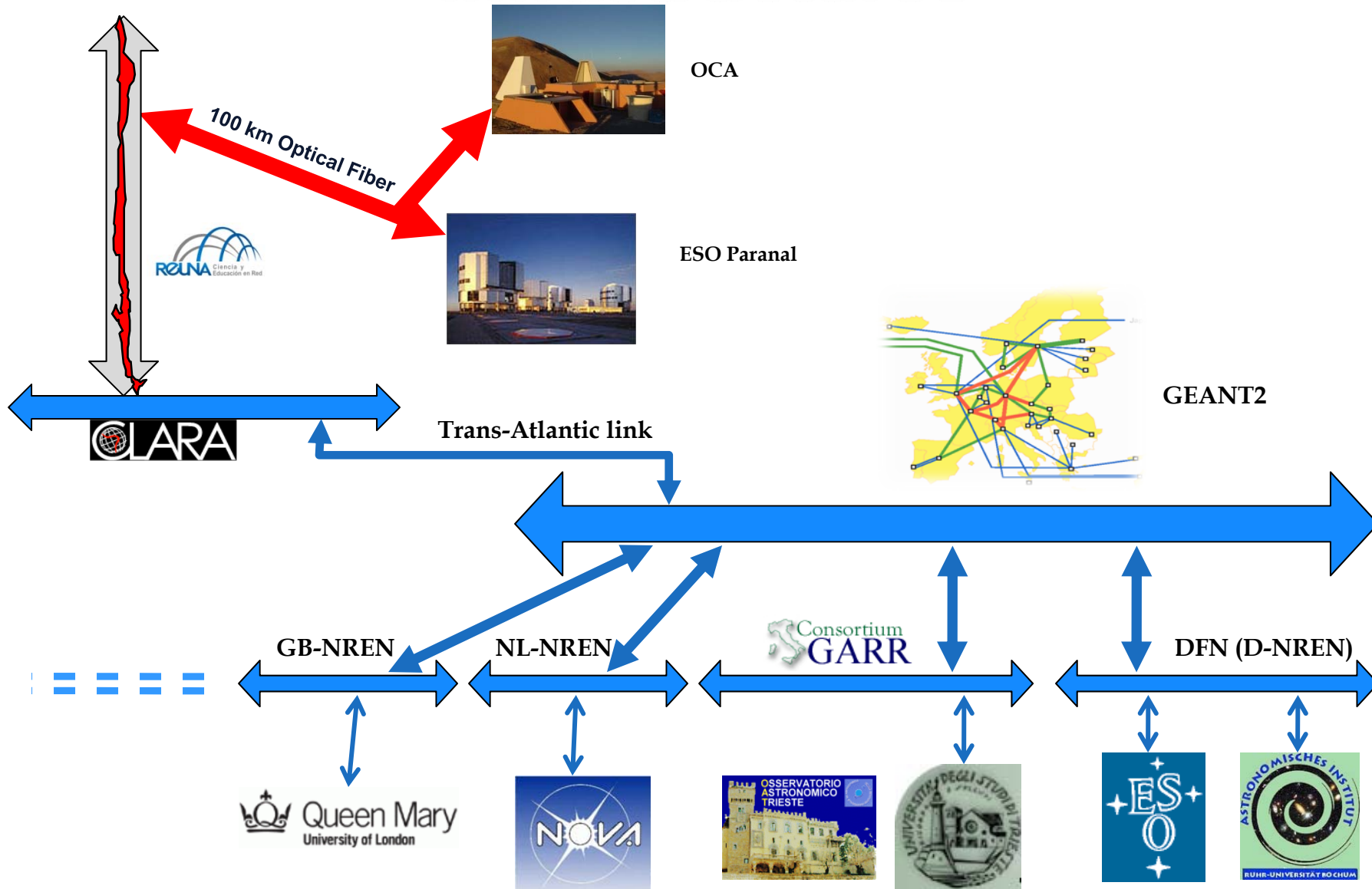
# EVALSO

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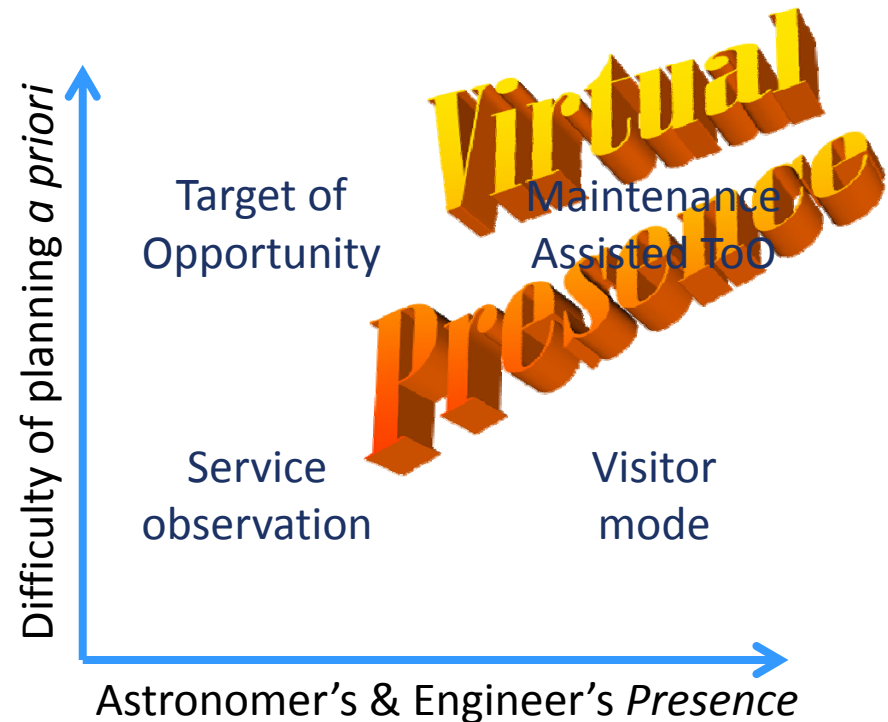
- ▣ **Enabling Virtual Access to Latin–America Southern Observatories**
- ▣ .... aims to create a physical infrastructure (and the tools to exploit it) to efficiently connect the **ESO Paranal** and the **Cerro Armazones** Observatories to Europe.
- ▣ The project builds on the National Research network of Chile (REUNA) and International infrastructures created in the last years with the EC support (RedCLARA, GEANT) to provide Latin American and European Research a competitive edge by having faster access to the collected data and using the connected facilities in an ever more efficient way.

# EVALSO and Support Infrastructures



# EVALSO Main Packages

- ▣ SA1: Upgrading of the communication infrastructure
- ▣ JRA1: Fast Data Access
  - ▣ Will aim at drastically improve the time needed for making the data available from the moment of the physical observation.
- ▣ JRA2: Virtual Presence
  - ▣ Will plan and produce the tools that could be used to make possible the virtual presence of scientists, engineers, and experts at remote facilities and, to the extreme, the possibility to perform remote observations.
- ▣ JRA3: New observing modes
  - ▣ Will investigate and concept prove new observing modes made now possible by the availability of the fast link and the tools developed by JRA2.



# Side Effects of EVALSO

- ▣ Shared physical infrastructure
  - Contribute to the strengthening of the Chilean NREN
  - Integrates well with the CLARA continental backbone
- ▣ Service Development
  - Remote interaction with Virtual Presence is being considered in many fields as a way of reducing economical and social costs of intervention in remote locations
  - A concept proof that will act as a catalyst for future developments

# Next to EVALSO

- ▣ EVALSO cannot be considered the ultimate solution
- ▣ Continental infrastructures have to be coordinated to remove the bottlenecks, especially between Latin America and Europe
- ▣ The limiting element in the chain is now the intercontinental link capacity and its cost

# EVALSO

- ▣ But in the meantime let us be happy for making the first step ...
  
- ▣ ... and let me thank and congratulate the people in the different organizations who have worked really hard to make this first achievement of EVALSO a reality
  
- ▣ ... within budget!