



RedCLARA:

the Gigabit Network of Latin America

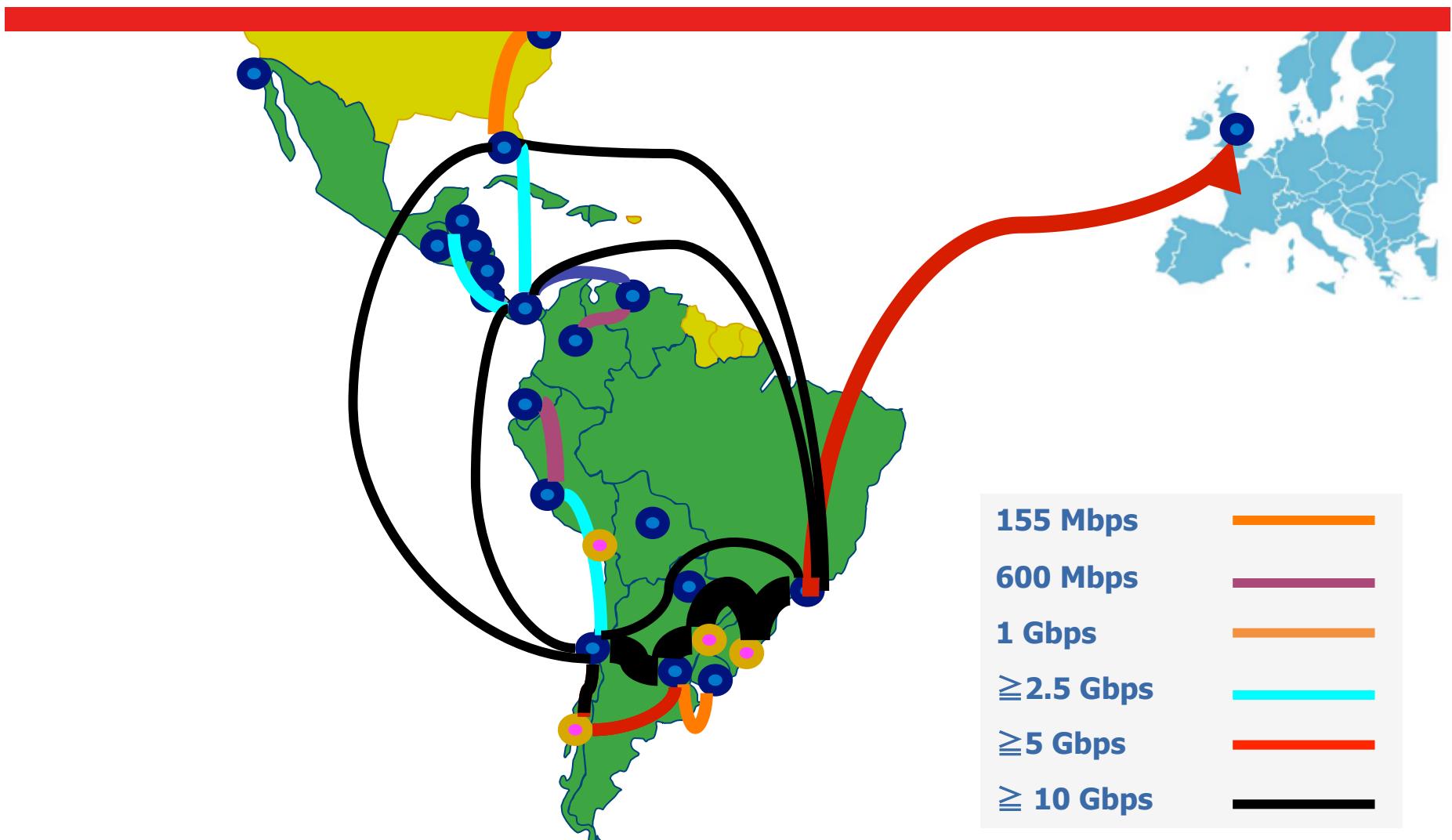
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SAAC Spring 2015 Meeting
April 20th, 2015
Santiago, Chile

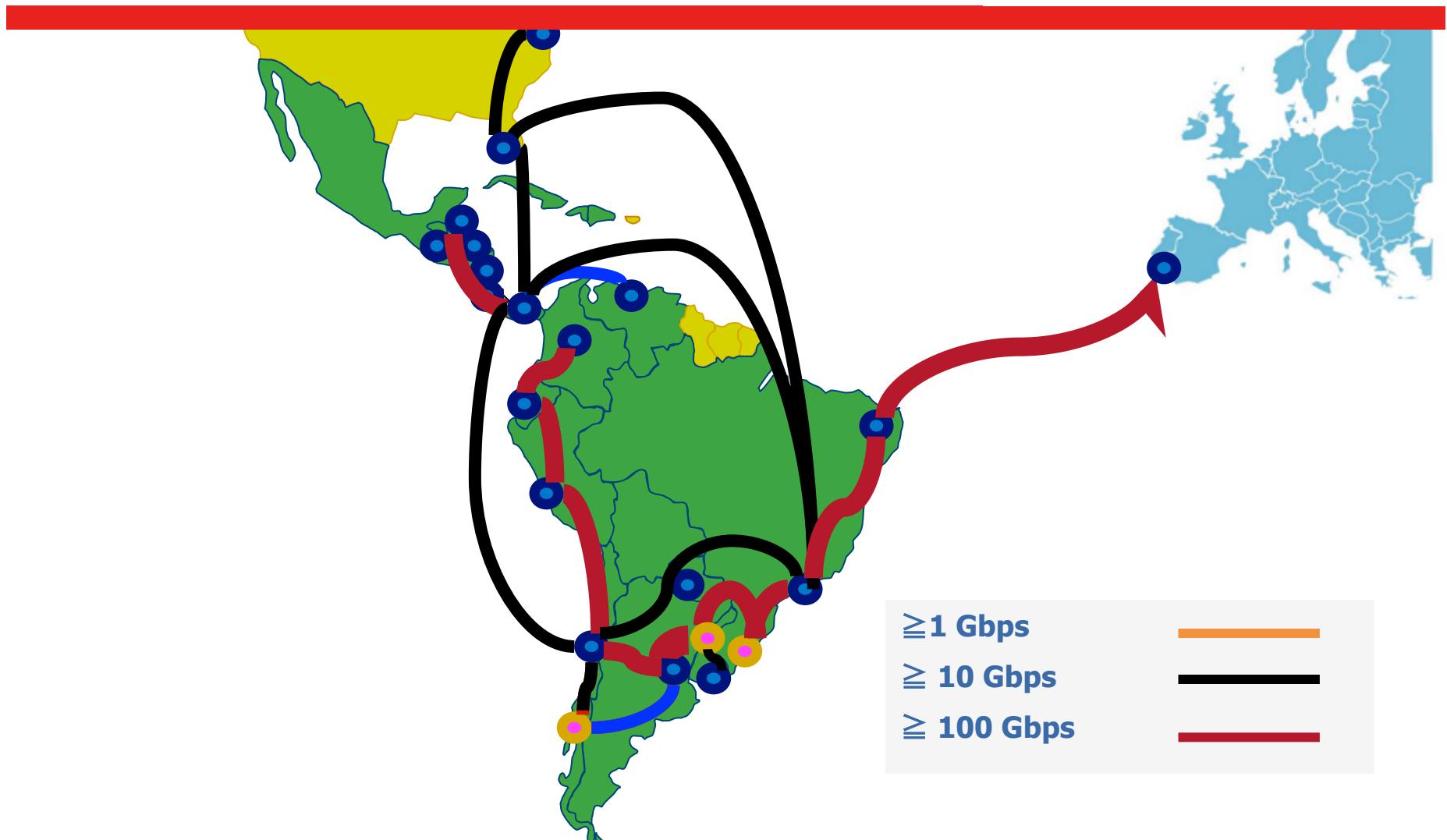
Bridging geographical and digital divide

| | 2002 | 2015 |
|--|---------|---------|
| Connected countries | 6 | 11 |
| Max. Bandwidth availability (intra LA) | 45 Mbps | 10 Gbps |
| Max. Bandwidth availability (extra LA) | 45 Mbps | 5 Gbps |

RedCLARA April, 2015



RedCLARA, 2017



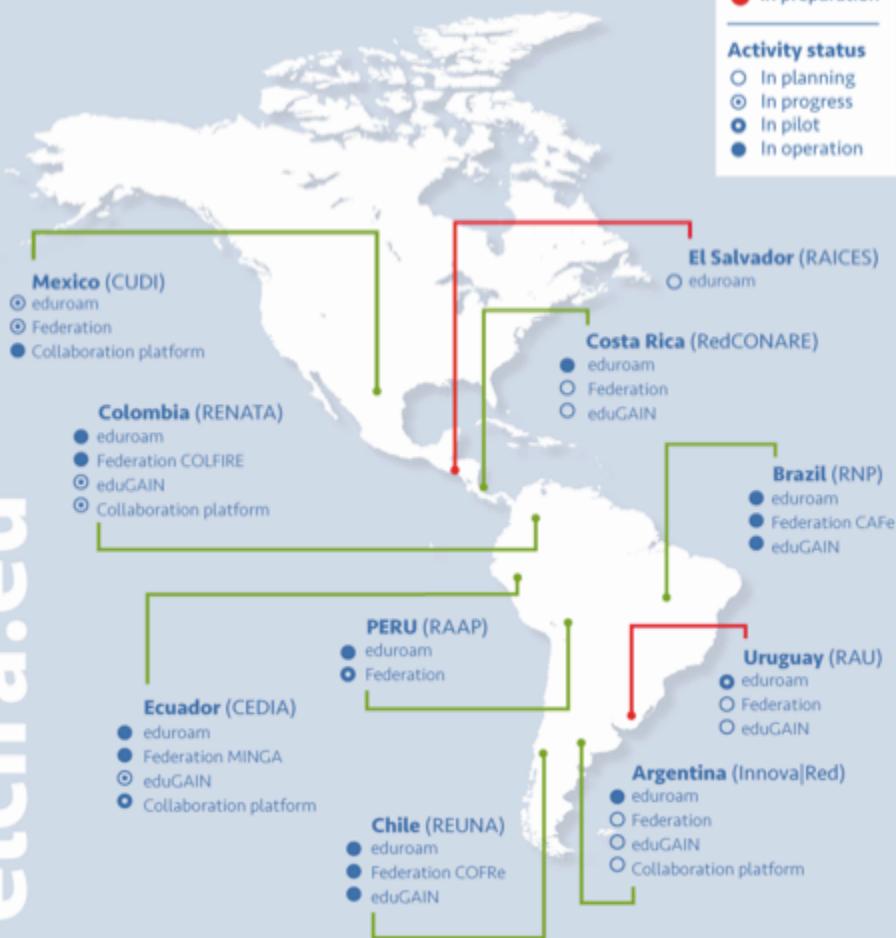
ELCIRA Project



The ELCIRA Project (Europe Latin America Collaborative e-Infrastructure for Research Activities) aimed to coordinate a series of collaboration tools and services developed in Europe and Latin America in order to provide an interoperability framework that facilitates the work of European-Latin American research teams and to foster collaboration in joint research projects.

ELCIRA Project

ELCIRA progress



elcira.eu

Having set out to establish eduroam in at least two Latin American countries, ELCIRA has far outstripped expectations through the deployment of eduroam in six Latin American countries (Argentina, Chile, Colombia, Costa Rica, Ecuador, Mexico and Peru).

ELCIRA Project



- ELCIRA supported the ongoing expansion of eduroam in Brazil, where Porto Alegre has become the first eduroam city on the continent.
- The objective of supporting the creation of identity federations in two countries was not only met but doubled with operational identity federations having been established in Argentina (MATE), Chile (COFRe), Colombia (COLFIRE) and Ecuador (MiNGA). Of these, the Chilean federation is a member of eduGAIN, alongside the Brazilian identity federation.
- ELCIRA has also established gatekeepers for RedCLARA and the Costa Rican and Colombian NRENs. With Brazil and Mexico also integrated with the RedCLARA gatekeeper which is in turn integrated with eduCONF, users of videoconferencing facilities behind the RedCLARA gatekeeper can now dial terminals behind eduCONF in Europe, and vice versa.

ELCIRA Project



An additional aim of ELCIRA was to improve collaboration for Europe-Latin American research communities. This has been done through the creation of a virtual federated platform, known as Colaboratorio V1.0. The platform makes tools and services delivered by Latin American and European NRENs available to end users in a single location and facilitates collaboration in the following ways:

- Webconferencing through the VC Espresso tool.
- Large file transfer through the eNVIo service, based on FileSender, and provided by GARR.
- The reservation of multi-point H.323 videoconferencing facilities behind SIVIC, RedCLARA's equivalent of eduCONF
- Participation in discussions and events organised by RedCLARA user groups
- A search facility for documents produced by RedCLARA and the user groups supported by RedCLARA.
- A search facility for funding opportunities, project partners and collaboration opportunities.

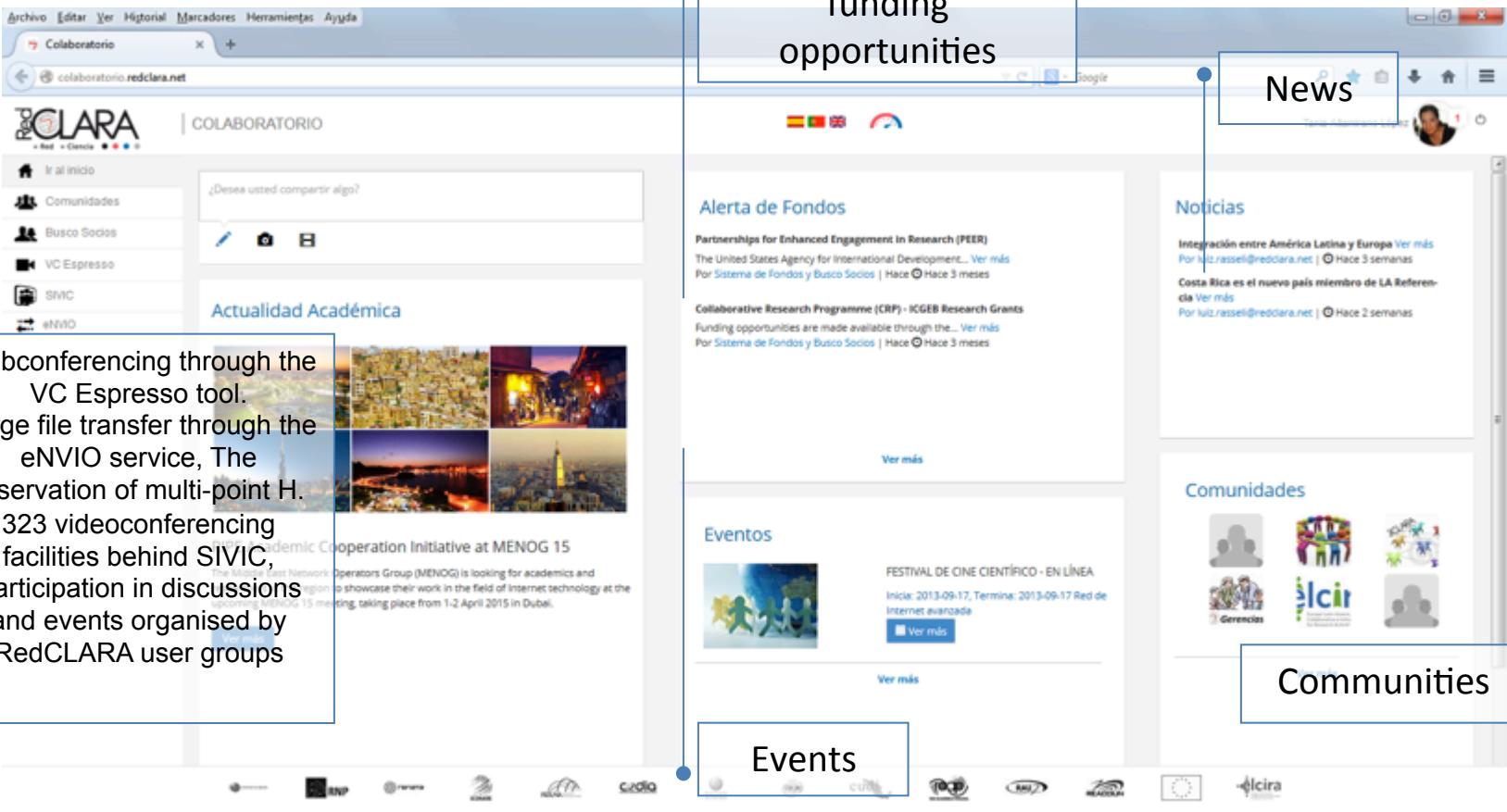
Colaboratorio

A search facility for funding opportunities

News

Events

Communities



Actualidad Académica

Webconferencing through the VC Espresso tool.

Large file transfer through the eNVOI service.

The reservation of multi-point H. 323 videoconferencing facilities behind SIVIC.

Participation in discussions and events organised by RedCLARA user groups.

Partnerships for Enhanced Engagement in Research (PEER)

Collaborative Research Programme (CRP) - ICGEB Research Grants

FESTIVAL DE CINE CIENTÍFICO - EN LÍNEA

Comunidades

Events

Noticias

Integration of the portal- Renata



Screenshot of the Renata - Colaboratorio portal interface:

The top navigation bar includes the "Colaboratorio - RENATA" tab, the URL "www.renata.edu.co/colaboratorio/index.html", a search bar, and social sharing icons.

The header features the "renata Colombia" logo, the "Colaboratorio" title, and the "Desarrollado con" (Developed with) RedCLARA logo. It also includes language selection (Spanish, English), a user profile for "Carlos González" (with 16 notifications), and a menu icon.

The left sidebar contains links to various services: Ir al inicio, BDCOL, Buscador Académico, Busco Socios, Cargo, Cloud, Comunidades, eNVO, Funding Pivot, LARreferencia, RENATA en Vivo, Oficina Virtual, SIVIC, and VC Espresso.

The main content area includes:

- A "¿Desea Compartir?" (Do you want to share?) section with sharing icons and a "Compartir" button.
- An "Actualidad Académica" (Academic News) section featuring a diagram titled "Mobility" and "Social Network" illustrating "Social circles" and "Intra-group clustering". The diagram shows a 3D space with nodes labeled A, B, C, Ego, Contact 1, Contact 2, and Contact 3.
- A "Alerta de Fondos" (Funding Alert) section about the "Convocatoria anual de Acciones CYTED : Investigación" (Annual Call for CYTED Actions: Research). It includes a link to "A) Naturaleza del Programa CYTED El Programa..." and a timestamp "Hace 2 semanas" (2 weeks ago).
- A "Noticias" (News) section listing "Fondo FRIDA anuncia nuevo financiamiento para proyectos TICs en América Latina..." (FRIDA Fund announces new funding for TIC projects in Latin America...) and "En Mayo: 3º Encuentro Internacional de e-Ciencia en Barranquilla, Colombia" (In May: 3rd International Meeting of e-Science in Barranquilla, Colombia).
- An "Eventos" (Events) section showing a clock icon and the event "ENCUENTROS TEMÁTICOS DE LA COMUNIDAD TICAL" (Thematic Meetings of the TICAL Community) with dates "Inicia: 2015-04-09, Termina: 2015-04-10".
- A "Comunidades" (Communities) section displaying logos for "nagi" and "RedCLARA Comunidad Prueba".

At the bottom, there are footer links to MINTIC, MINEDUCACIÓN, SENACYT, Radar, RUMBO, RUA, RAI, REACON, and several international organizations like the European Union and Icira.

The page URL is shown at the bottom: https://dev1.redclara.net/joomla4_new/joomla4/index.php/es/frontpage/?nren=RENATA&nren_container_url=http://www.renata.edu.co/colaboratorio/index.html

What's next?



Middleware for collaborative
Applications and **G**lobal **v**Irtual
Communities

What's next?



The MAGIC Project seeks to establish a set of agreements for Europe, Latin America and other participating World Regions, aiming at consolidating and completing the building blocks of middleware necessary for the establishment of a marketplace of services and real-time applications for international and inter-continental research groups which facilitates mobility and the work of global science communities.



www.redclara.net