



Collaborating to globally connect researchers and academics

Sci-GaIA Workshop on Open Science - Maputo, Moçambique - November 18, 2015

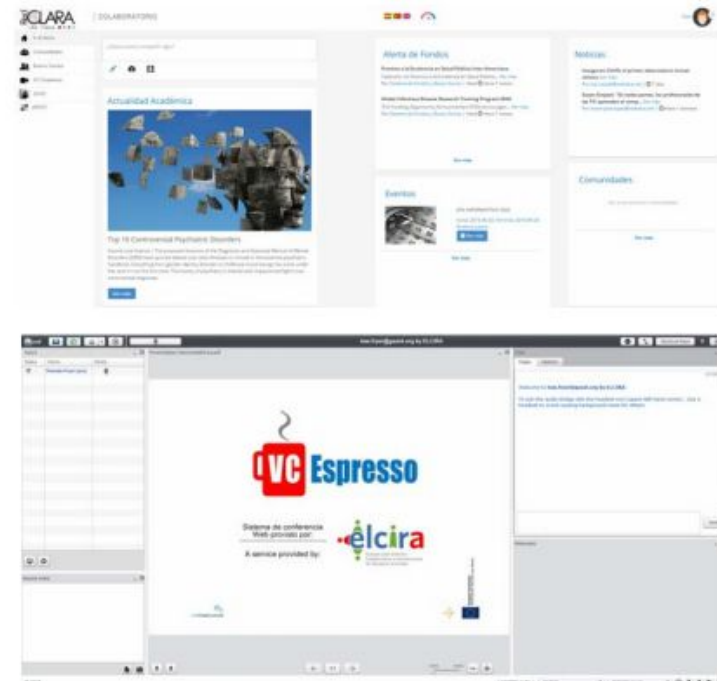
María José López, Leandro Guimarães, Brook Schofield | RedCLARA, RNP, GÉANT | 22-Oct-2015



Background - ELCIRA



- ELCIRA: Europe-Latin America Collaborative e-Infrastructure for Research Activities.
- 2-year project led by RedCLARA (2012-2014), co-funded by the EC.
- Focused on fostering the deployment of eduroam & AAI, developing collaboration tools and reliable VC services, while promoting research communities between Europe and Latin America.



General Objective



A collaboration project
to globally connect
researchers and academics

Africa - Arab States - Asia - Latin America - Europe - The Caribbean

Based on the ELCIRA
success...

To establish a set of
agreements for
participating world regions
to consolidate/complete
middleware for a
marketplace of services
and real-time applications
to benefit global science
communities.



Partners



- Grant Partners

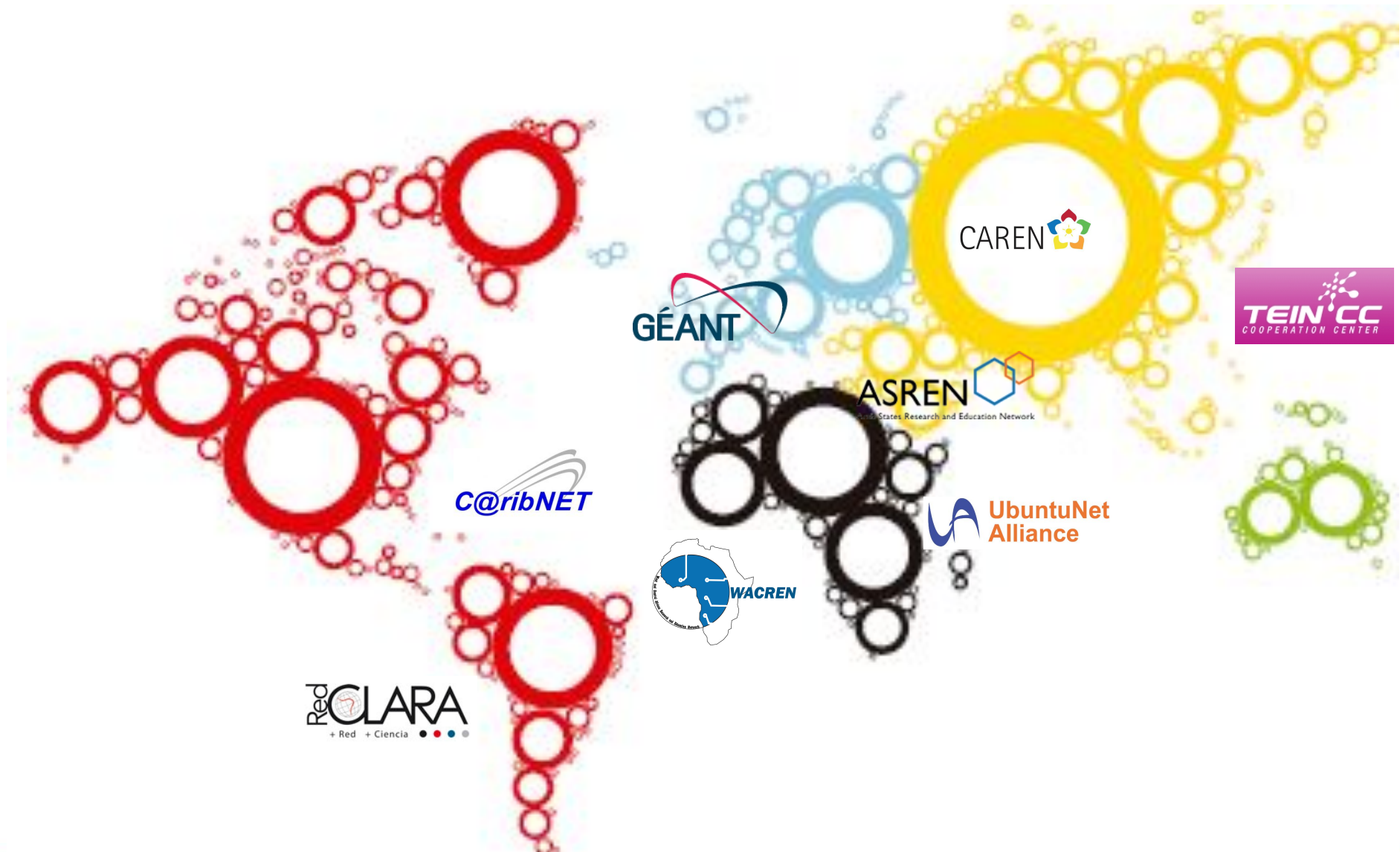
- **RedCLARA** (Latin America) - Coordinator
- **GÉANT** (Europe)
- RENATA (Colombia)
- RNP (Brazil)
- SURFnet (Netherlands)
- REUNA (Chile)
- CEDIA (Ecuador)
- CUDI (Mexico)
- RENATER (France)
- GRNET (Greece)
- CESNET (Czech Republic)
- **CKLN** (Caribbean)
- **UbuntuNet Alliance** (S&E Africa)
- **WACREN** (W&C Africa)
- **ASREN** (Arab States)
- **TEIN*CC** (Asia-Pacific)
- **CAREN** NOC – NITC (Central Asia)
- NIIFI (Hungary)
- CSIR (South Africa)

- MoU Partners

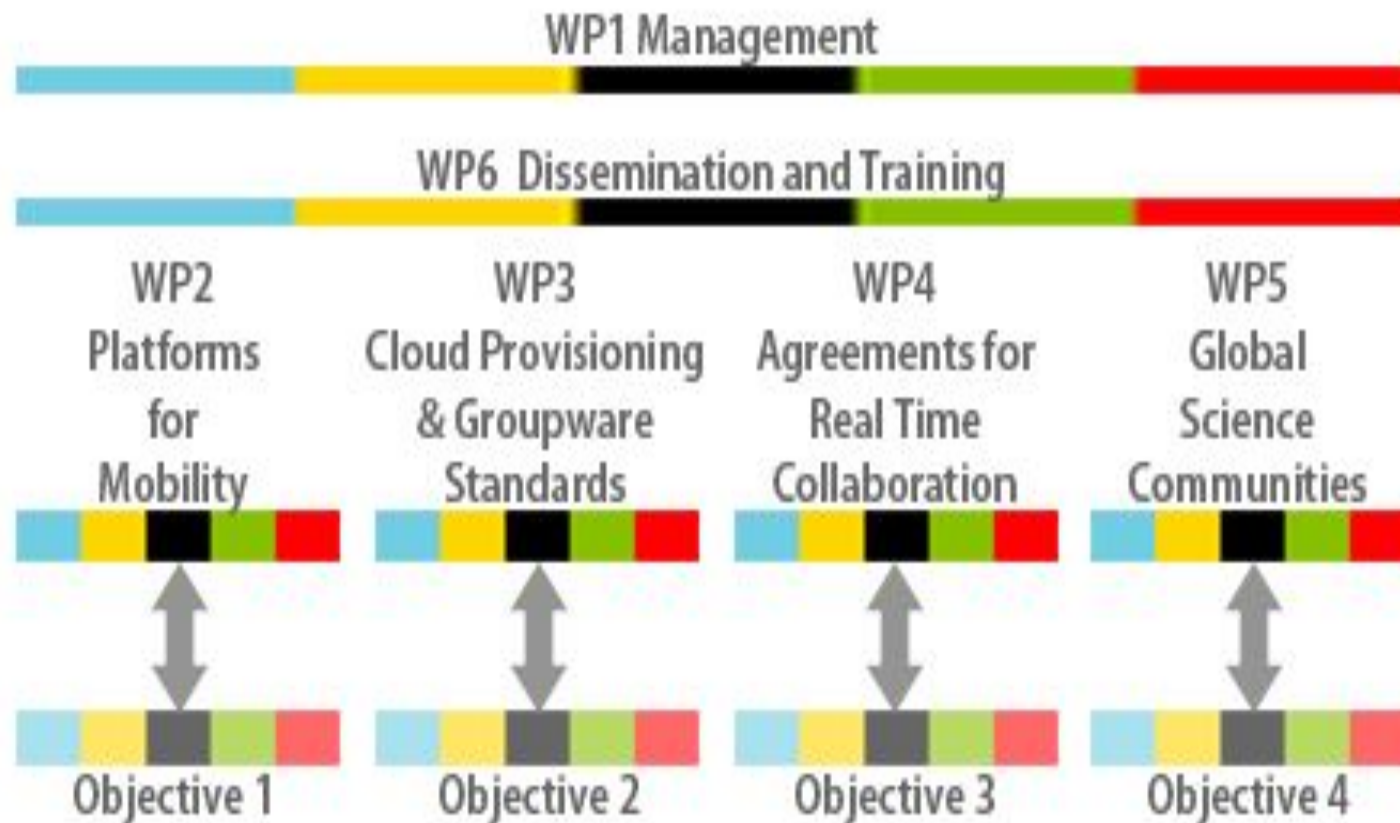
- InnovaRed (signed)
- APAN (in process)
- AARNet (in process)



World Wide Contact Points



Project Structure



WP2: Platforms for Mobility



eduroam

eduGAIN



WP2: Platforms for Mobility



Magic is mobility

It promotes the growing of **eduroam's** reach worldwide.

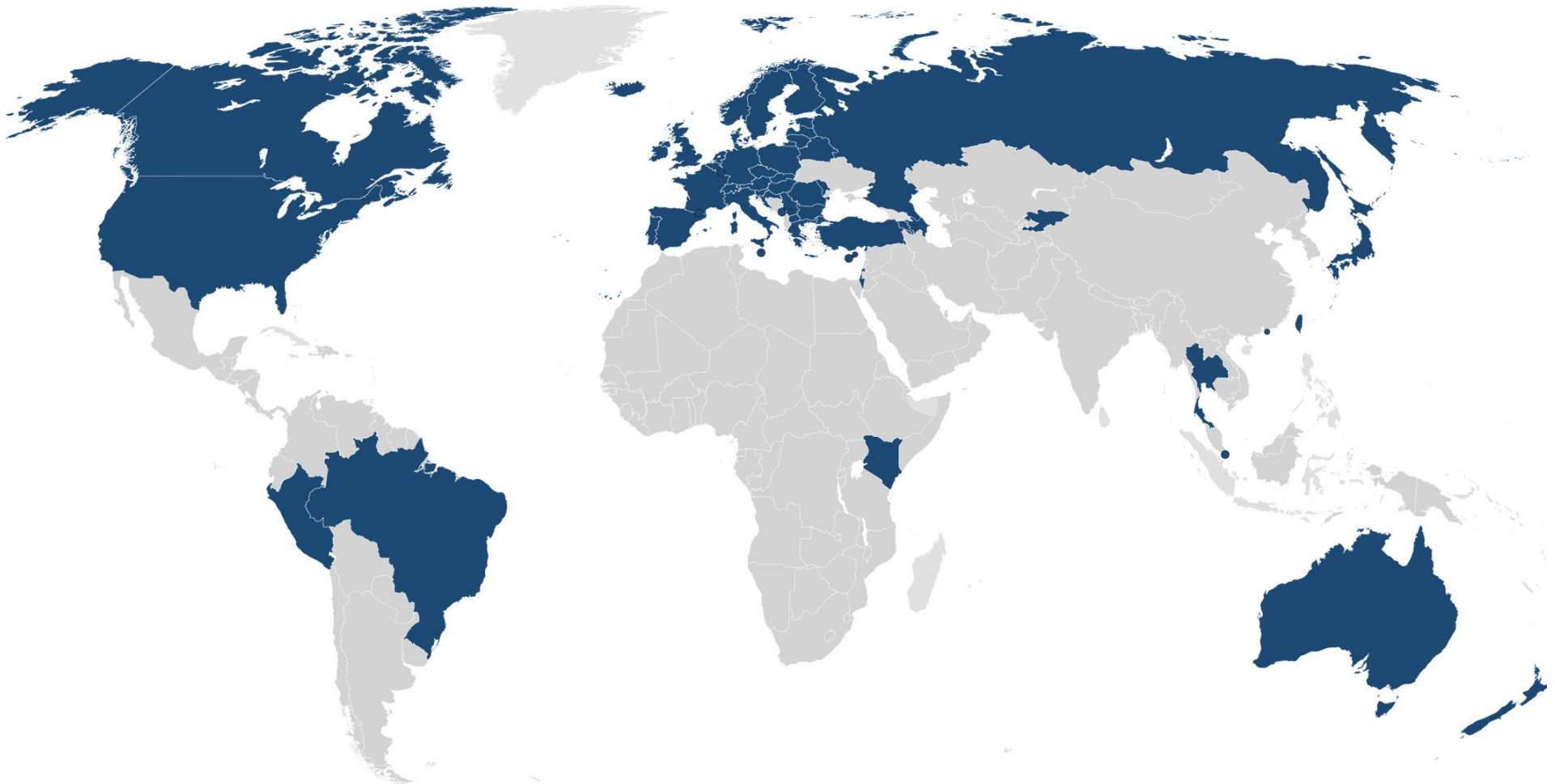


eduroam is roaming service for education

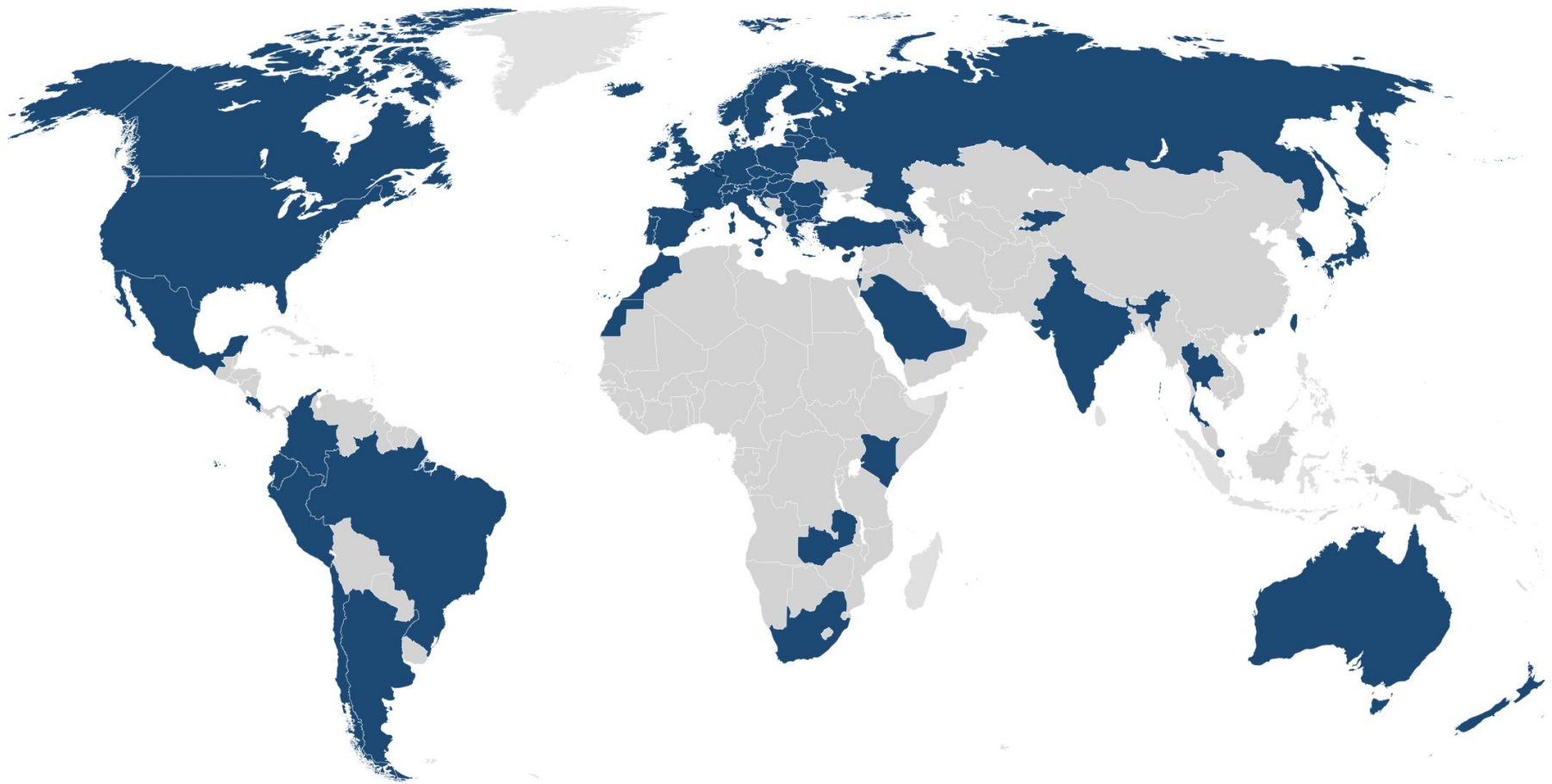
It allows students, researchers and staff from participating institutions to obtain Internet connectivity across campus and when visiting other participating institutions by simply opening their laptop.



Countries eduroaming before ELCIRA



Countries eduroaming after ELCIRA



WP2: Platforms for Mobility



Magic is interoperability

It promotes the establishment of identity federations and their connection to **eduGAIN**

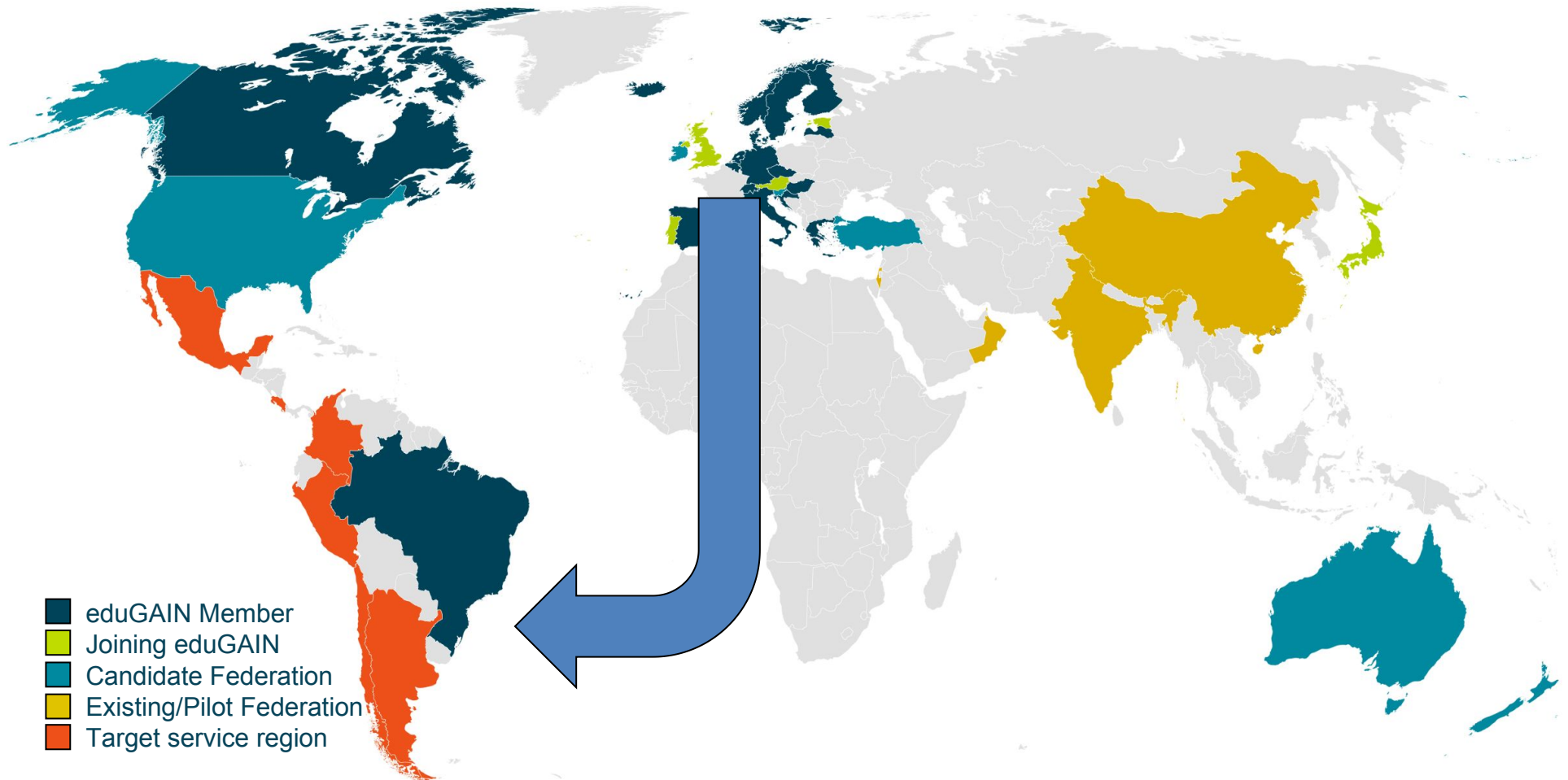


eduGAIN is seamless and secure access to services

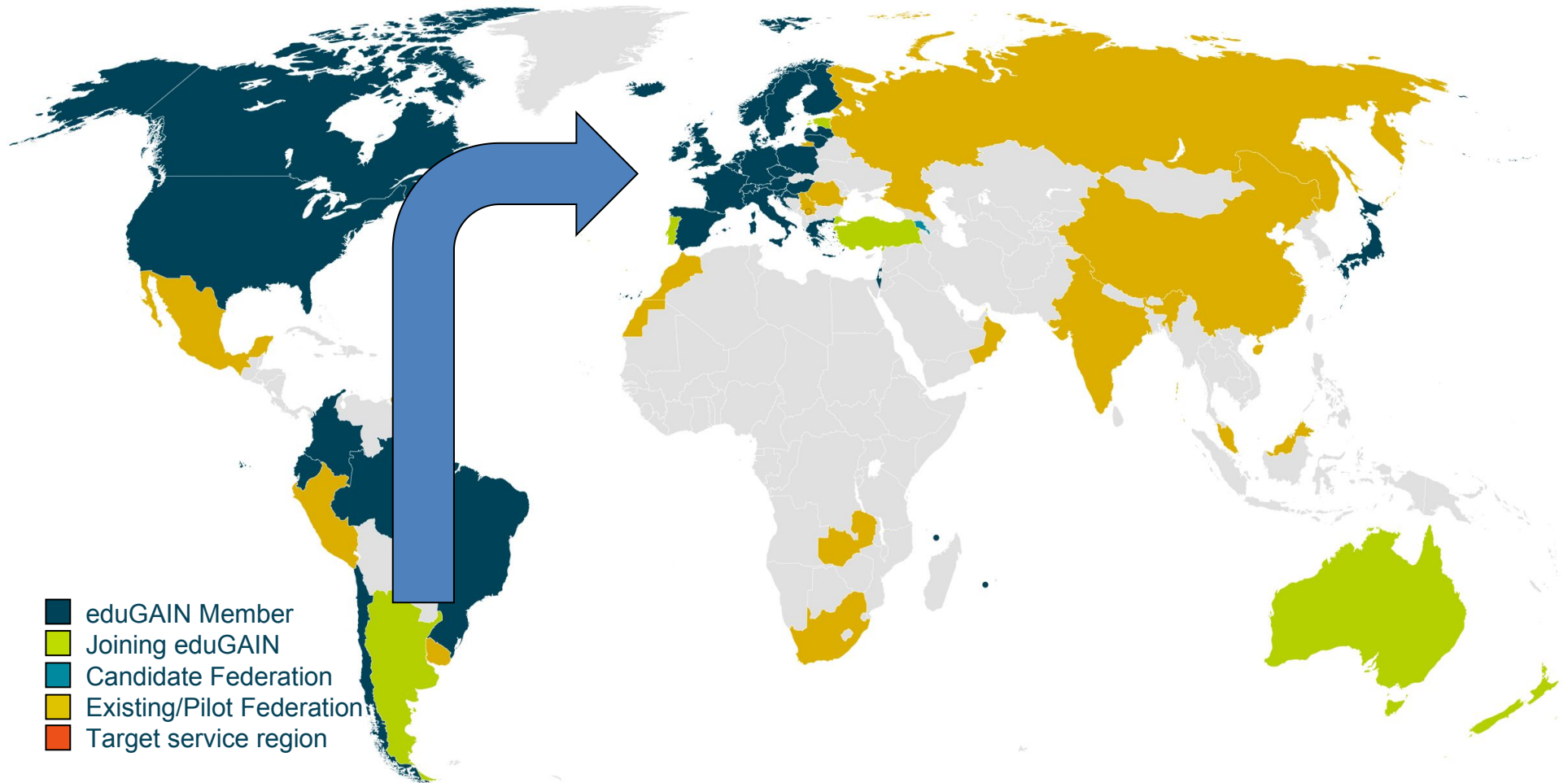
It interconnects federations to link services and users worldwide.



At the start of the ELCIRA project June 2012



At the end of the ELCIRA project June 2012 → Oct 2014



Take our success world wide

May 2015 → May 2017



WP3: Cloud Provisioning and Groupware Standards



Magic is applications

It expands international collaboration spaces through its interaction platform: **Colaboratorio**



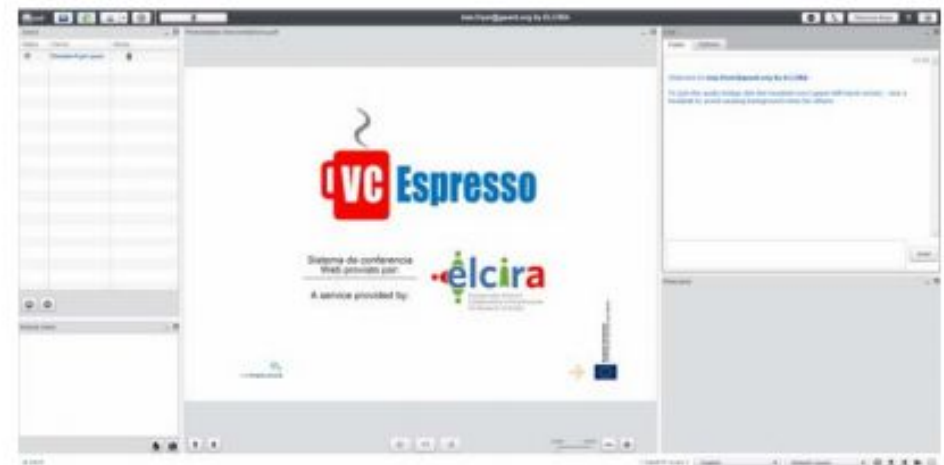
Colaboratorio

Tools and services tailored to the needs of researchers and academics.

WP3: Cloud Provisioning and Groupware Standards



- Federated Group Management (FGM) Standard
- **Applications** that will adopt the FGM Standard
- **Pilot portals** for the participant regions
- **Deployment** of a pilot Federated Cloud Service Model for NRENs



WP4: Real Time Collaboration



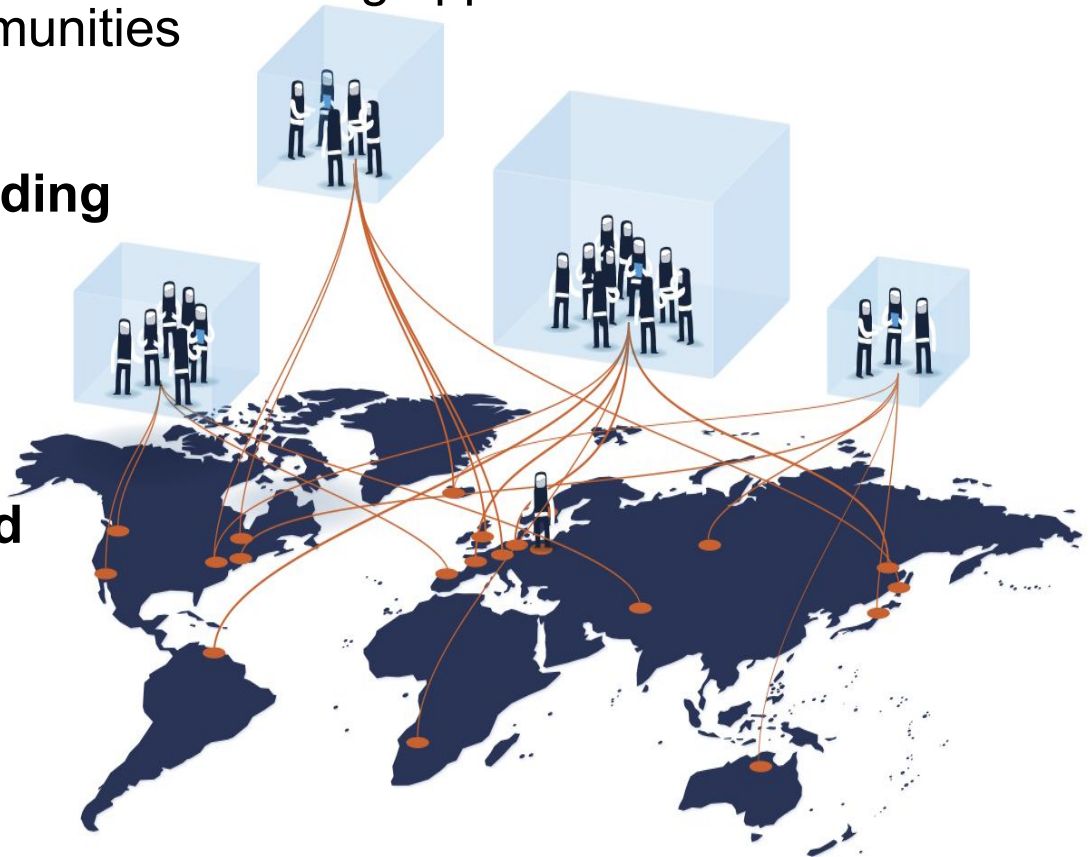
- To foster the adoption of the **NRENum.net**, for universal dialing using DNS: **El Salvador, Ecuador and Mexico** have been integrated to **NRENum.net** within **MAGIC** framework
- To promote, and work with the **Global Real Time Collaboration** (GRTC) group
- Integrate **H.323** and MConf (**WebRTC**) for unified communications

#	country name	E.164	ENUMs
1.)	 Hungary	+36	78910
2.)	 Portugal	+351	47905
3.)	 Croatia	+385	27959
4.)	 Brazil	+55	10048
5.)	 Spain	+34	6904
6.)	 North American Numbering Plan	+1	5035
7.)	 Argentina	+54	3564
8.)	 Australia	+61	1956
9.)	 Italy	+39	983
10.)	 Greece	+30	911
11.)	 El Salvador	+503	62
12.)	 United Kingdom	+44	49
13.)	 India	+91	22
14.)	 Latvia	+371	21
15.)	 Hong Kong	+852	20
16.)	 Netherlands	+31	13
17.)	 Belgium	+32	11
18.)	 New Zealand	+64	10
19.)	 France	+33	8
20.)	 Peru	+51	6
21.)	 Colombia	+57	2
22.)	 Switzerland	+41	1
23.)	 Romania	+40	1
24.)	 Poland	+48	1

WP5: Global Science Communities



- Agreements on a set of **Worldwide User Communities** of common interest throughout the participating regions
- An Information System for Worldwide funding opportunities aimed at the end users and the user communities
- **Virtual Days** to foster collaboration at a worldwide scale and **International Funding Participation**
- Training on the use of Cloud applications for collaboration
- **Do you have a community and you think our tools and services could help you?**



Building in progress...



- **Training in the Arab States and the Caribbean on AAI and eduroam**
- **NRENum** Training in Latin America
- **Spanish, English and French** online course for NRENum deployment
- **Portuguese and Russian** languages supported
- **Groupware** standards analysis underway for **interoperability**
- **Portal** deployed for Latin America and West **Africa**





<http://magic-project.eu>

**If you have a community and are interested
in our tools and services we are here to help!**

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