



# Colaboration tools and communities/group sharing for science applications

WACREN 2016, Dakar

Gustavo Garcia Plaza | RedCLARA | 12-03-16 | MAGIC project

# Agenda



- MAGIC description
  - Goals
  - Description
  - Work packages
- WP2 Platforms for Mobility
- WP3 Cloud Provisioning and Groupware Standards
- WP4 Agreements for Real-time Collaboration
- WP5 Global Science Communities
- WP6 Dissemination and Training

# MAGIC in numbers

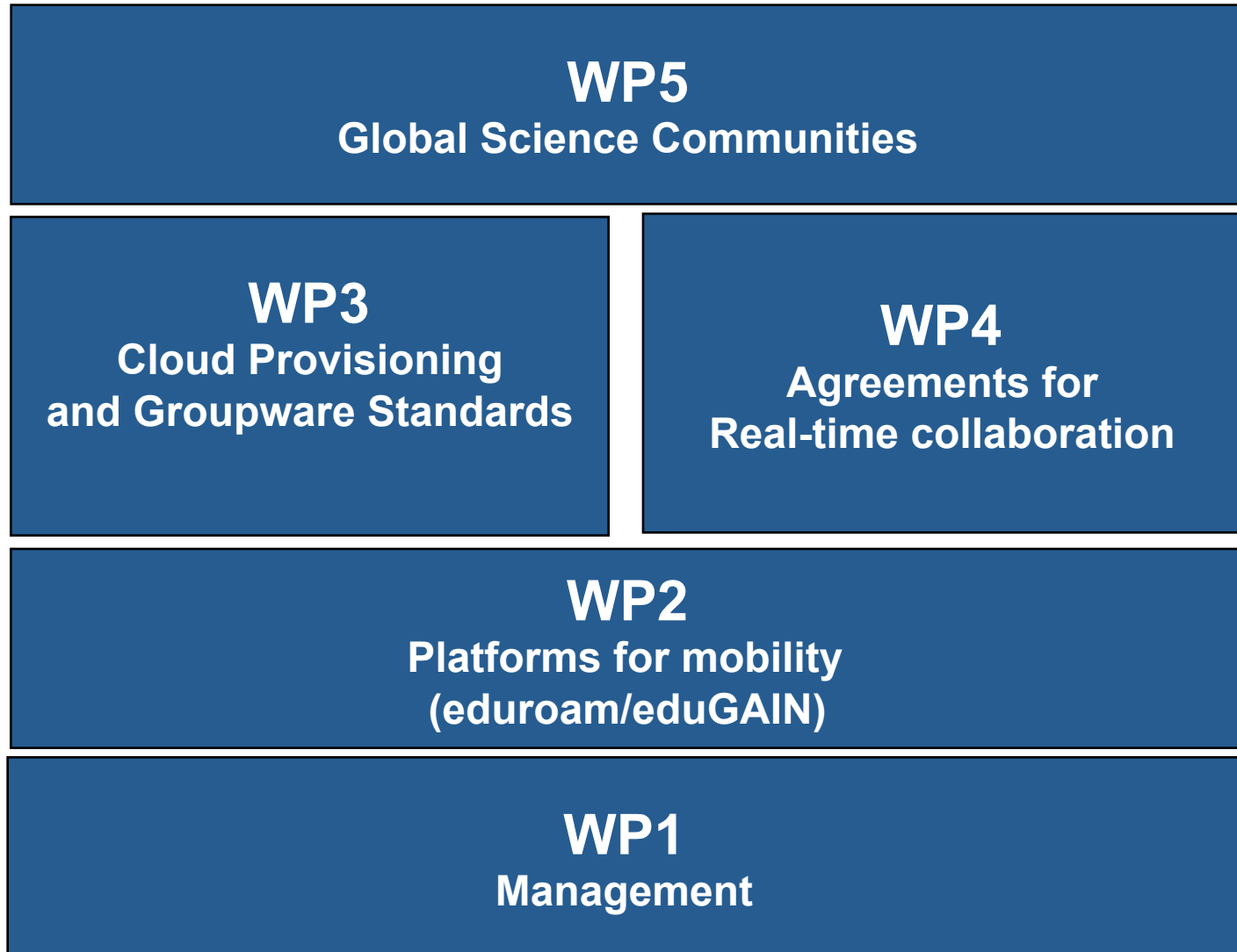


- **M**iddleware for collaborative **A**pplications and **G**lobal **V**irtual **C**ommunities
  - 1.4 Million Eur from EC financing
  - Duration of 2 Years
  - 20 partners in Europe, Africa, Latin-America, Caribbean, Middle-East, Central-Asia, Asia
  - 6 Work packages

# 20 Partners



# Work packages

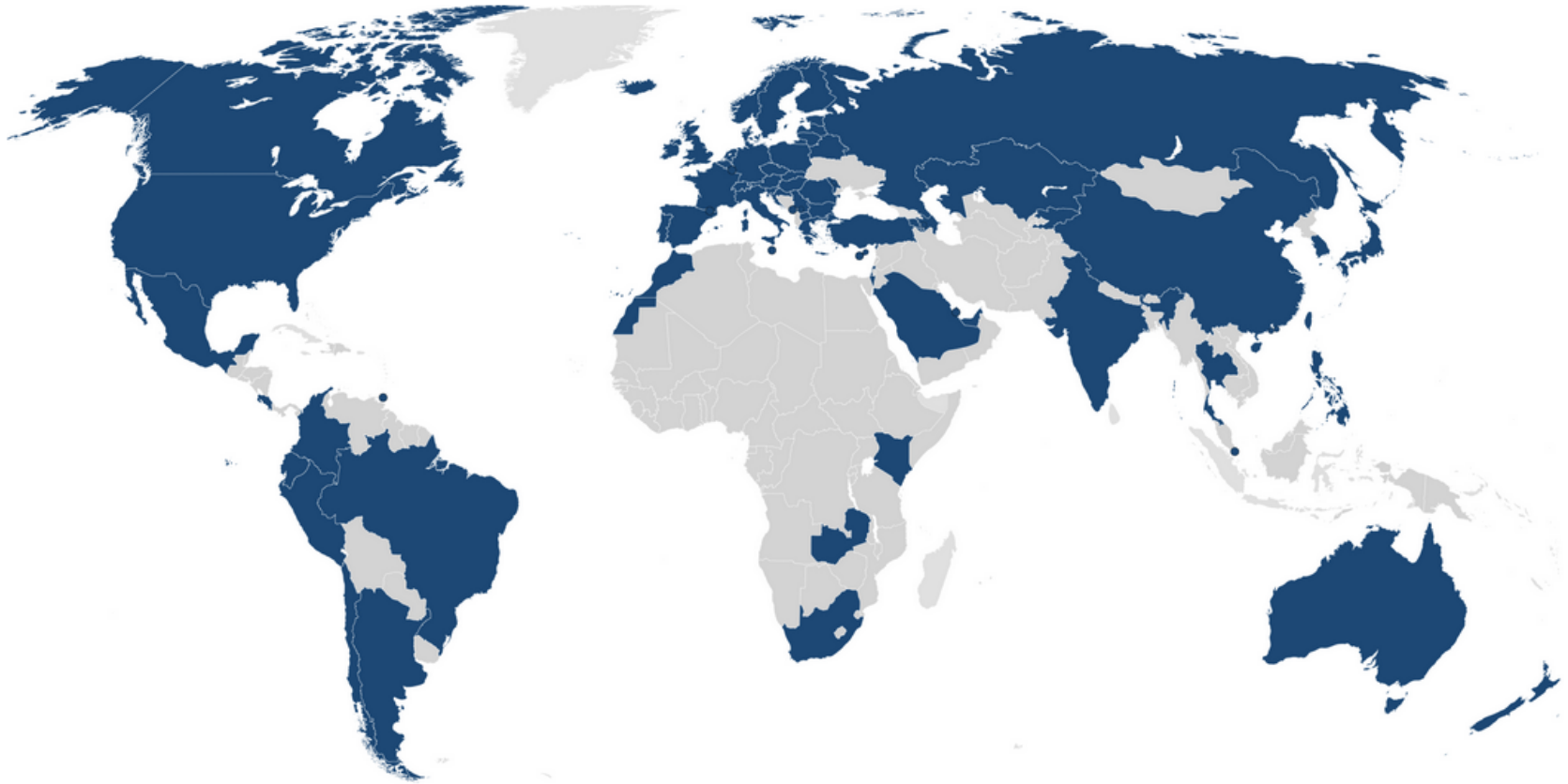


# **WP2**

## **Platforms for Mobility**

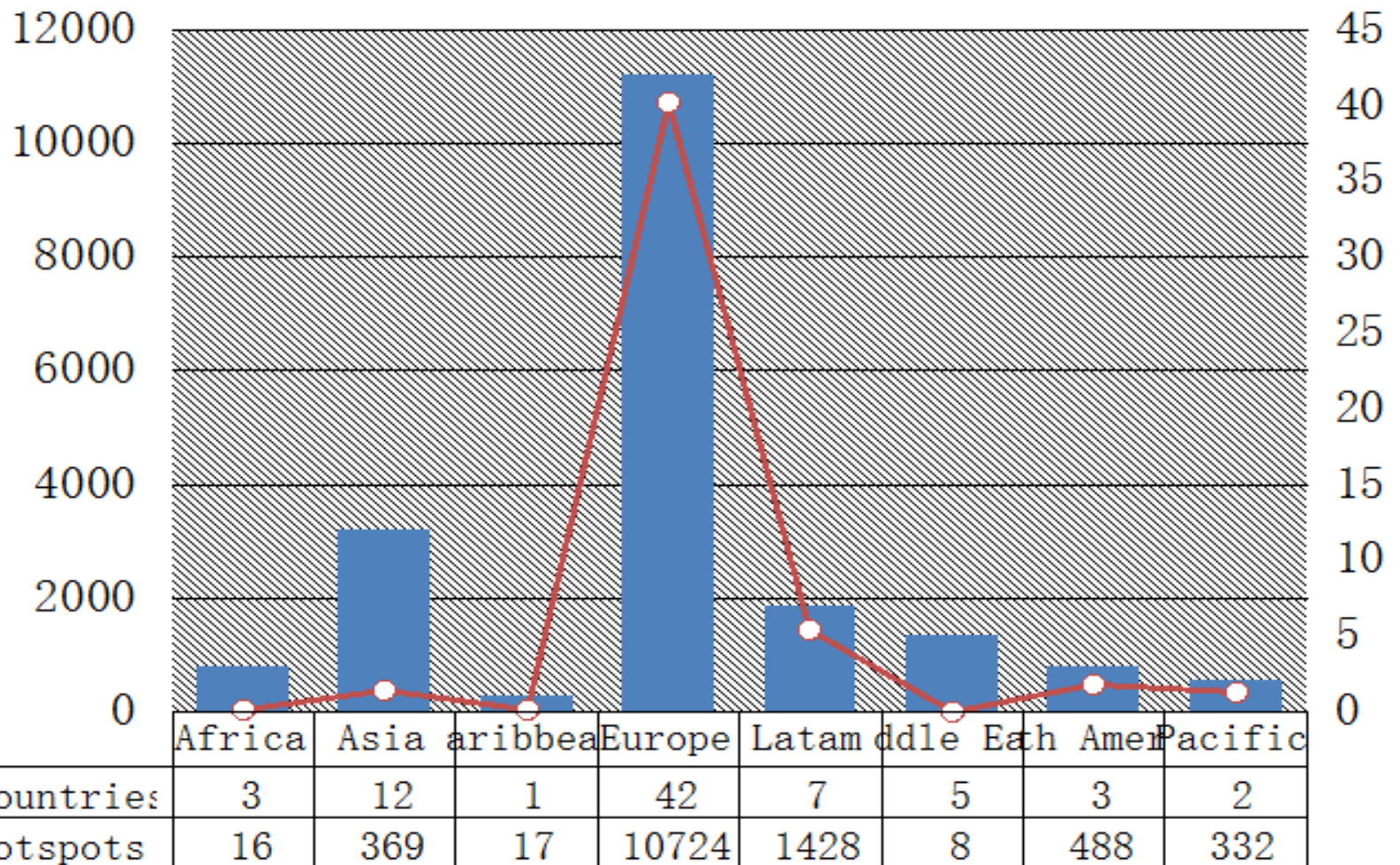
**To foster the deployment of the platforms that enable mobility of people and seamless access to services by promoting the establishment of identity federations interconnected via eduGAIN, creating awareness of privacy and security issues and spreading eduroam by: sharing experiences, carrying out training and making available shared infrastructure to ease the process in the partner world regions.**

# Spreading eduroam



74 countries and 13.390 hotspots.

# RO per Region

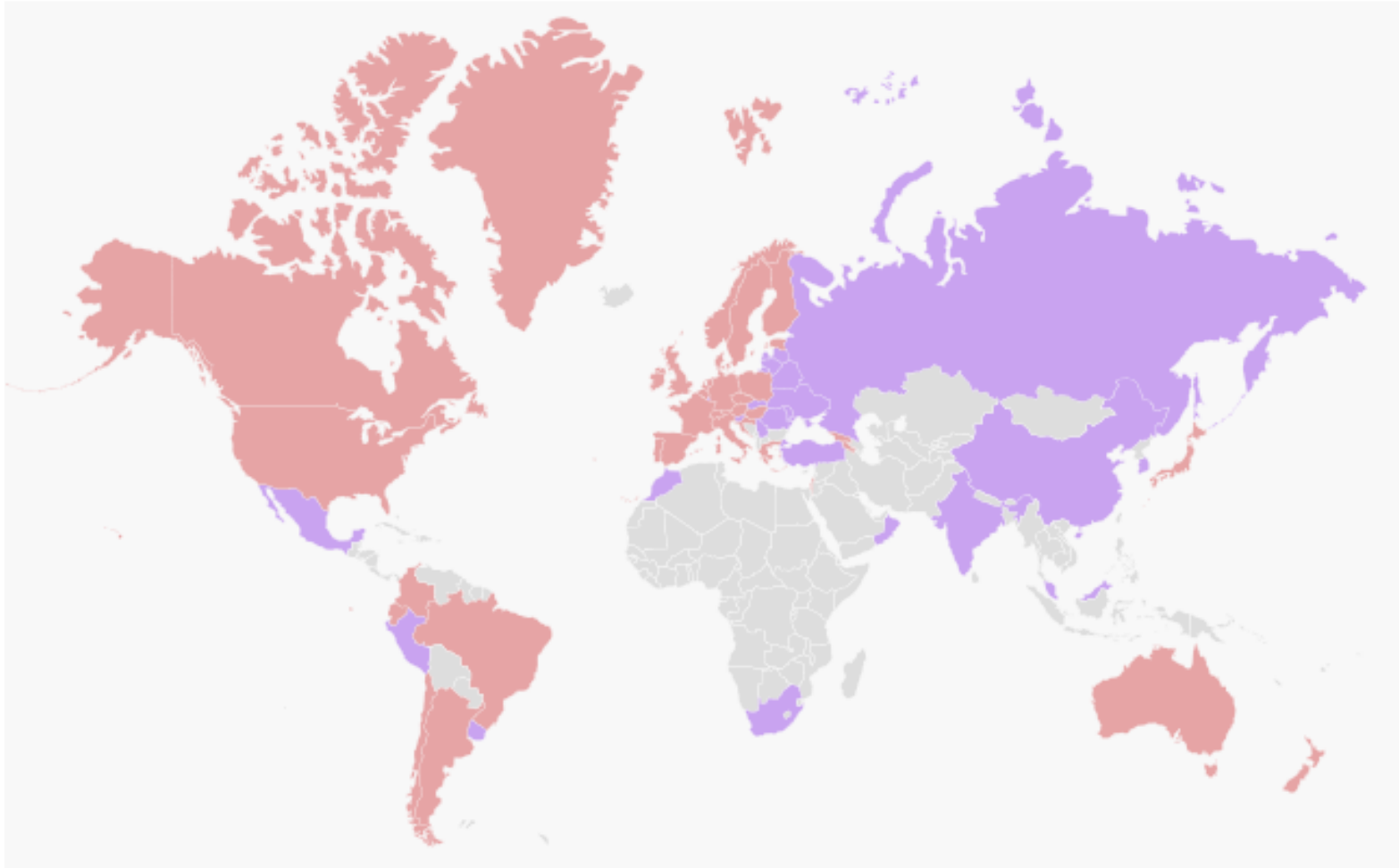




# Promote the establishment of identity federations via eduGAIN



**Magic**  
Middleware for collaborative Applications  
and Global virtual Communities



34 production and 22 pilot.

# Members' responsibilities



## Focal points



- I. Negotiate the performance of activities with team members and their managers;
- II. Arbitrate and resolve conflict and interface problems within the region;
- III. Provide region online training to WP committed NREN;
- IV. Inform any issue that may impact in the WP or project goals.

# **WP3**

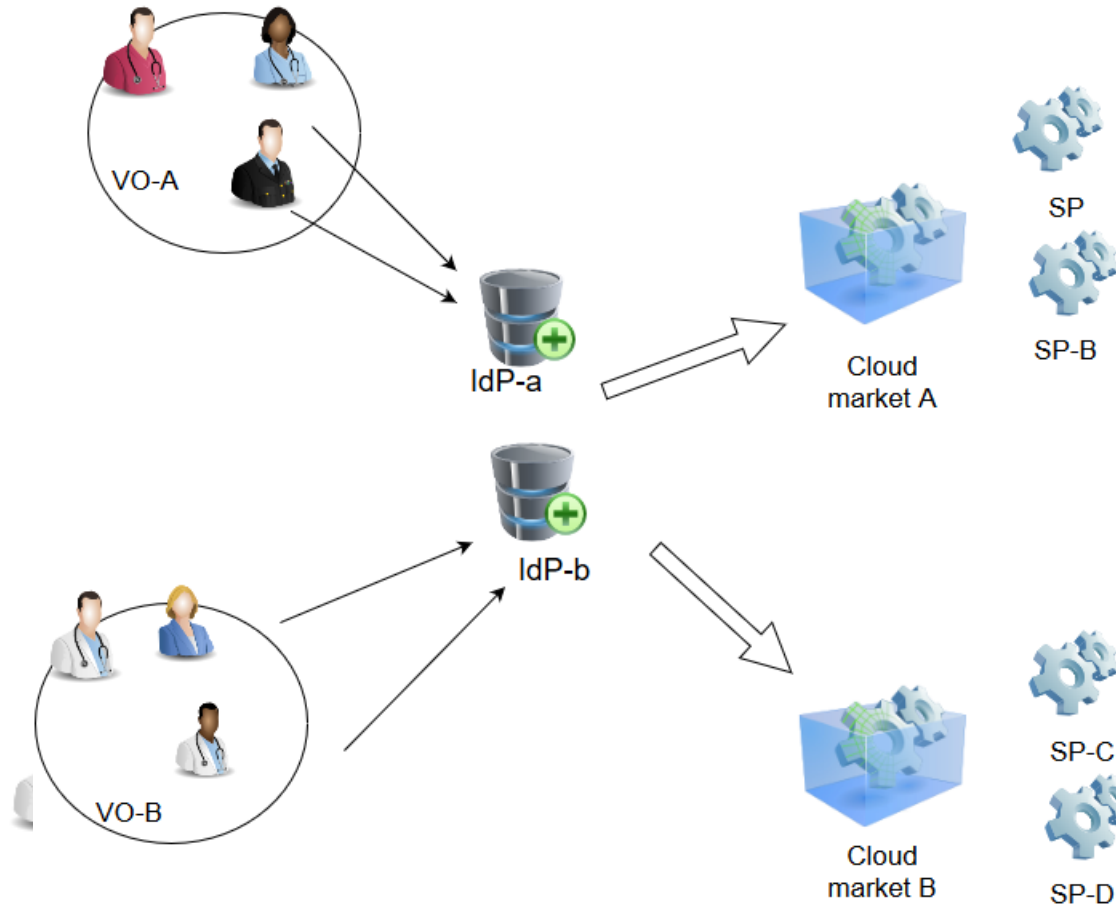
## **Cloud Provisioning and Groupware Standards**

**To develop a model for inter-operation between NREN cloud application markets of participating world regions, based on cloud provisioning and taking advantage of applications developed and run by NRENs across different continents to create a model for a worldwide application market for collaboration tools and services**

# Service providers and groups



**Magic**  
Middleware for collaborative Applications  
and Global virtual Communities



# Group management solutions



- System for Cross-domain Identity Management (SCIM)
- Virtual Organisation Orthogonal Technology (VOOT)
- Grouper
- PERUN
- SYMPA
- OPENCONEXT

# How to join?



## WP2 Mobility

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## WP3 Cloud prov and groupware standards

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## WP4 Realtime-communications

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# **WP5**

## **Global Science Communities**

**To foster the collaborative work of Global Science Communities by actively promoting the participation of Latin American and other regions' researchers in European Commission Calls and those of other international funding agencies with high impact in the participatins regions and other networking activities.**

# Global Science Communities



## What is a Community?

Group of experts (researchers and/or academics) from different parts of the world with a common interest, working together on activities, sharing best practice, knowledge and experiences

We look for peers from the different partners institutions of the MAGIC Project.



# Global Science Communities



## Where we are?

- Selected priority areas (e-Health, Biodiversity, Environment, Remote Instrumentation)
- Call for Community participants
- Identification of Community Champions
- Community Space on Colaboratorio
- Opening Conferences for the Communities

# Communities status



## E-Health

First meeting: Feb 2nd  
Members: 57



## Biodiversity

First meeting: Feb 11th  
Members: 30



## Environment

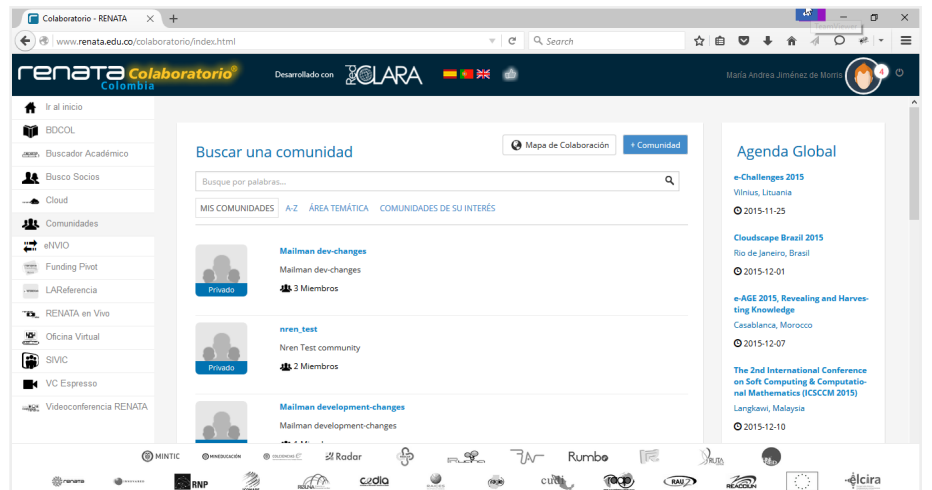
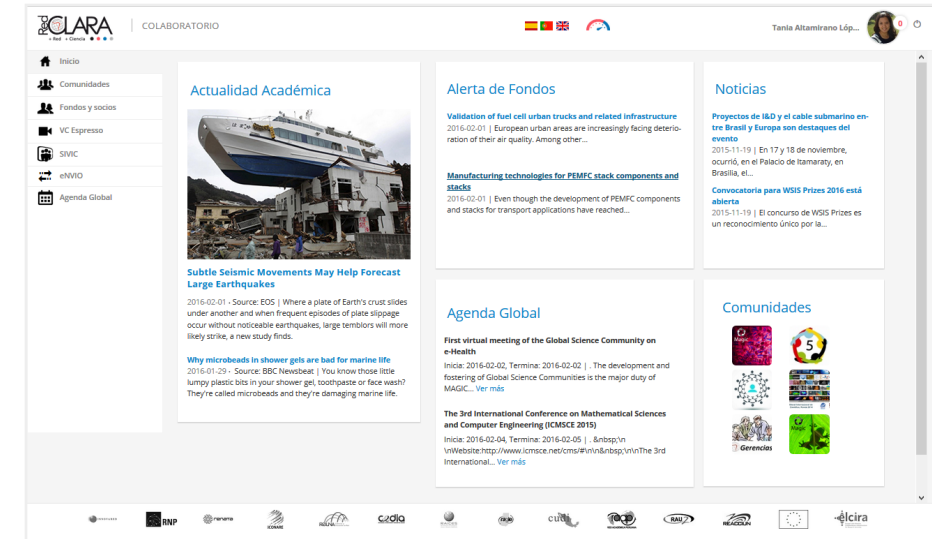
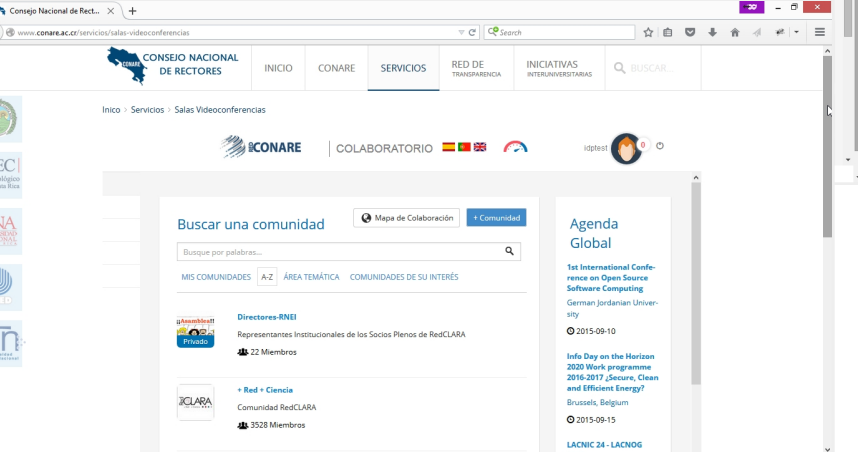
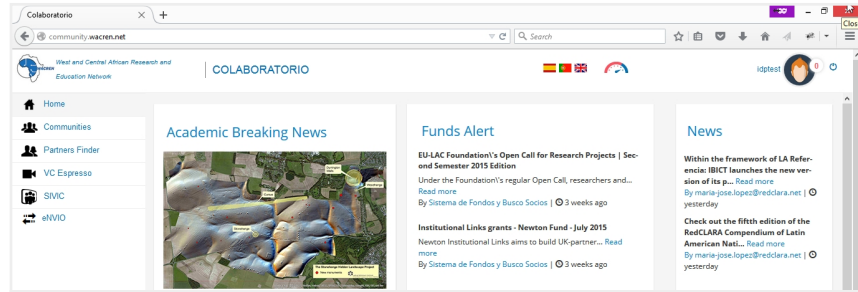
First meeting: Feb 18th  
Members: 28



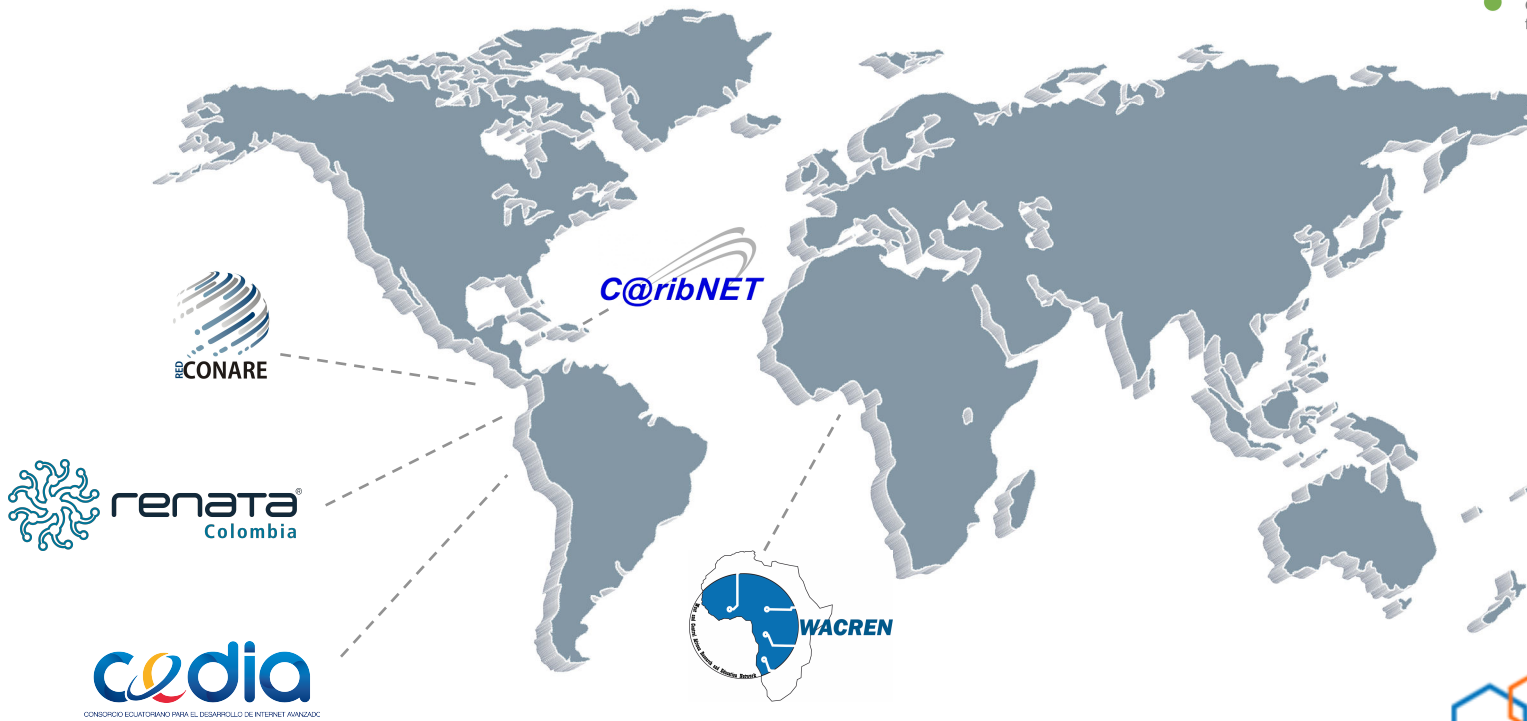
## Remote Instrumentation

First meeting: 25th  
Members: 14

# Colaboratorio communities space



# Colaboratorio deployments



# Who use Colaboratorio today?



To date it hosts **363 communities**  
and has **7,260 registered users**  
(**3844 joined last year**) from  
around the world

## Areas

Humanities  
Engineering and Technology  
Natural Sciences  
Health Sciences

## Countries

Nigeria, France  
Burkina Faso  
Senegal, Colombia  
México, Chile, Brazil, Jamaica,  
Costa Rica, Grenada,  
Chile, Czech Rep, Italy...

# Global Science Communities



- **How to participate?**
  - **Register in Colaboratorio**
    - <http://community.wacren.net>
    - <http://colaboratorio.redclara.net>
  - **Join the Communities**
  - **Be part of the activities**
- **Contacts**
  - **Tiwonge Banda, UbuntuNet Alliance:**  
[tiwonge.banda@ubuntunet.net](mailto:tiwonge.banda@ubuntunet.net)
  - **Tania Altamirano, RedCLARA:** [tania.altamirano@redclaranet](mailto:tania.altamirano@redclaranet)