



Middleware for collaborative Applications and Global virtual Communities

Florencio I. Utreras | CLARA | 25-05-16 | CUDI 2016 Reunión de Primavera

Objetivos



- Establecer una serie de **acuerdos** entre las regiones del mundo participantes en MAGIC, para consolidar y completar el **software intermedio** (Middleware) requerido para establecer un **mercado de servicios y aplicaciones en tiempo real** para los **grupos de investigación internacionales**, favoreciendo la **movilidad** y la conformación de comunidades globales de investigación.

Objetivo Específico I.



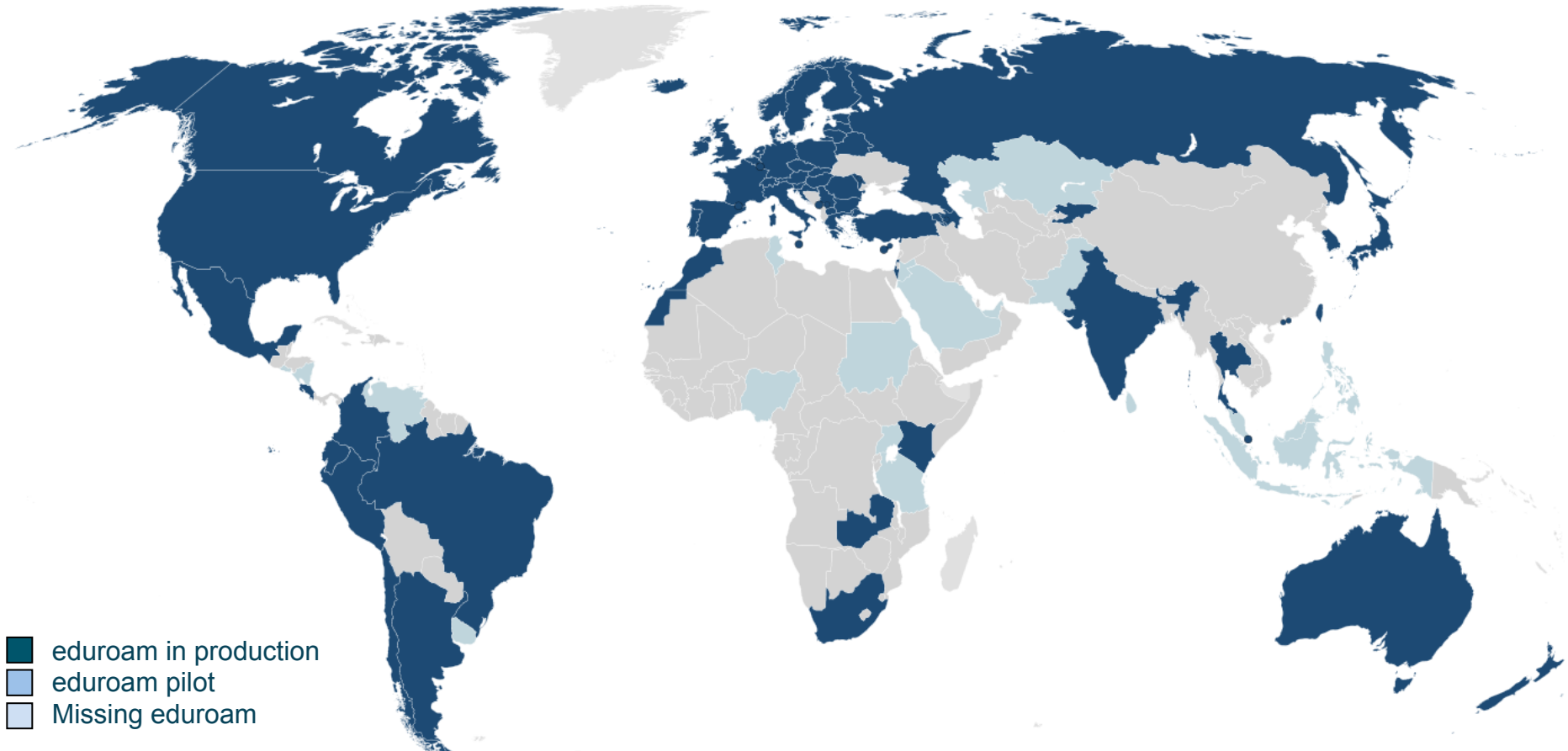
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- Permitir la movilidad y el acceso transparente a los servicios mediante:
 - la promoción del establecimiento de Federaciones de Identidad conectadas a eduGAIN,

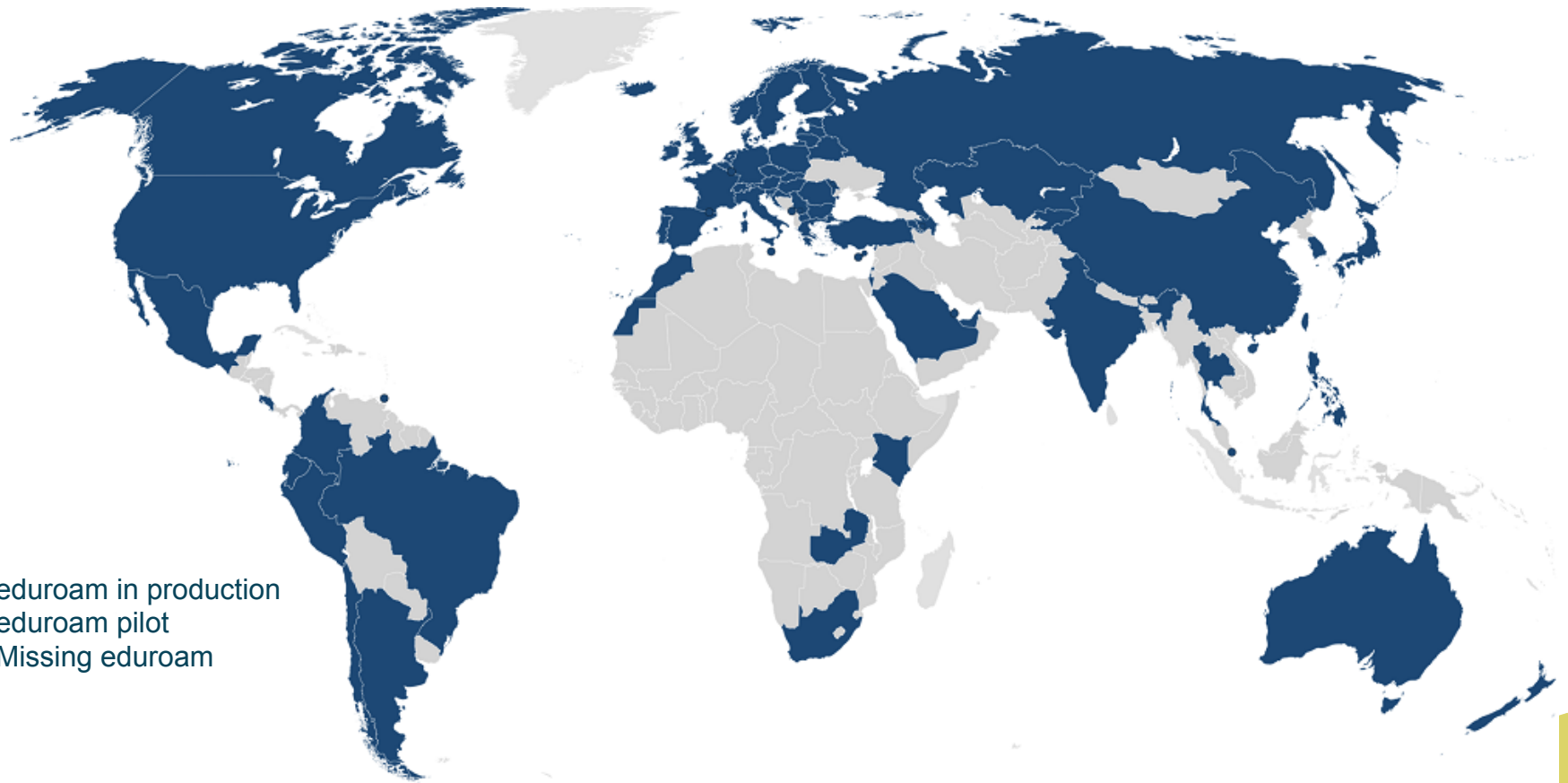





- la concientización sobre los problemas de seguridad y privacidad, y
- el aumento del alcance de eduroam





-  eduroam in production
-  eduroam pilot
-  Missing eduroam



-  eduroam in production
-  eduroam pilot
-  Missing eduroam

Objetivo Específico II



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- Desarrollar un modelo para la **inter-operación** entre los mercados de aplicaciones en **nube** de las redes nacionales (RNIE) de las regiones participantes del proyecto, con base en el aprovisionamiento en nube y aprovechando las **aplicaciones desarrolladas y dispuestas en línea por ellas (RNEI)** en el mundo para crear un modelo para un **mercado de aplicaciones global**.
- **Avances**
 - Colaboratorio desplegado en
 - Colombia, Ecuador, Africa Occidental (WACREN), México (VCEspresso)
 - Colaboratorio en Francés
 - Nuevas aplicaciones en camino
 - EtherPad para edición interactiva
 - JITSI, conversación web
 - CNC, almacenamiento en línea estilo Box

Servicios en Nube de RNEIs para Magic



RNEIs

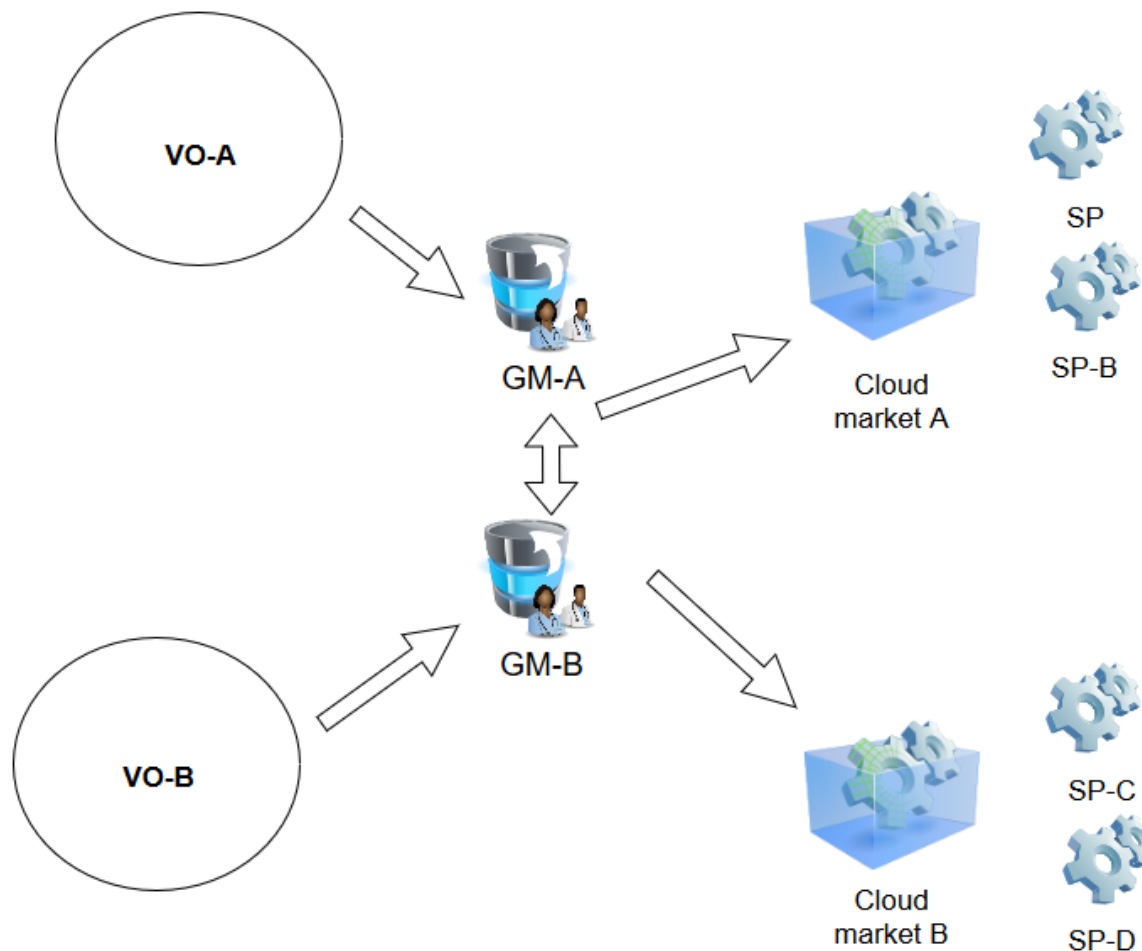


Gestión de Grupos



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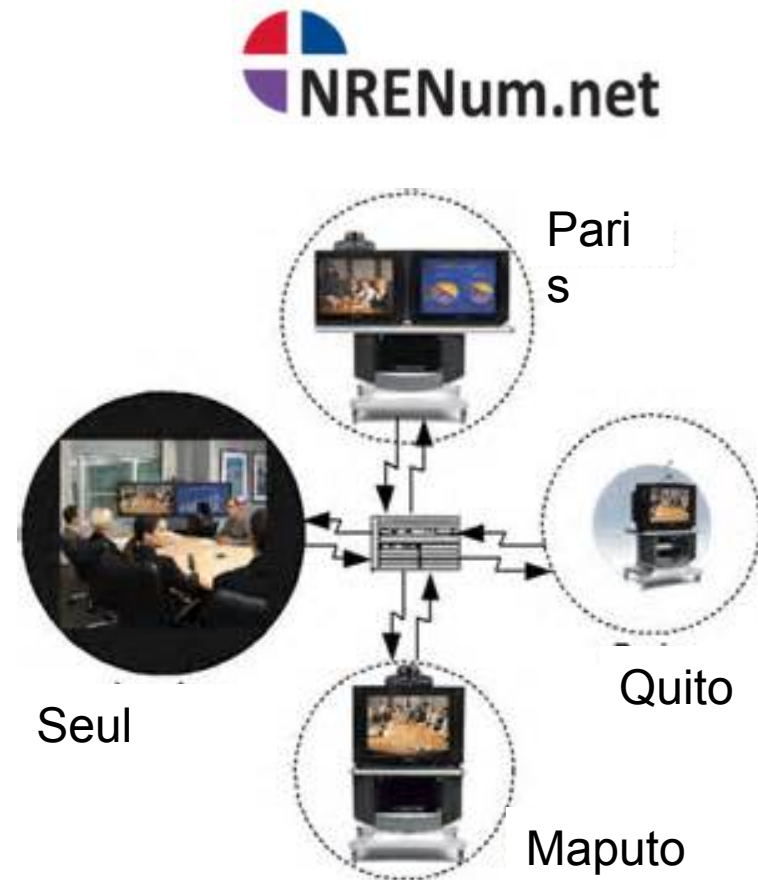


Objetivo Específico III



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- Buscar el consenso en la **interoperabilidad de las aplicaciones en tiempo real** y trabajar en pro de la adopción de normas tales como las propuestas por el Foro Global CEO.
- **Resultado a presente**
 - 6 redes de América Latina han implantado NRENum.net



Objetivo Específico IV



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- Fomentar el trabajo colaborativo de **Comunidades Globales de Ciencia**, promoviendo activamente la participación de los investigadores en las convocatorias de la Comisión Europea y otras agencias internacionales de financiamiento.
- **Comunidades formadas en:**
 - Salud
 - Clima y Medio Ambiente
 - Biodiversidad
 - Instrumentación remota

H2020

JICA

Erasmus

Comunidades Globales



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Las Comunidades



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GMT T. Altamirano López

First virtual meeting of the Global Science Community on e-Health

2 de febrero de 2016
GMT timezone

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Welcome to experiences collaboration

The development of collaborative applications with partners from Latin America, Africa and the Middle East, Central Asia and Asia-Pacific.

MAGIC is being implemented by a consortium of Regional Education & research networks (RENS) and National R&E networks (NRENS) from 20 countries and regions around the world.

The consortium was established to work together to develop advanced technology tools and a software platform that will allow research and education resources, applications, and other knowledge sharing resources, developed and owned by the more developed countries, to be available and shared by less developed countries and regions.

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<https://eventos.redclara.net/indico/event/534/>

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GMT T. Altamirano López

First virtual meeting of the Global Science Community on Biodiversity

11 de febrero de 2016
GMT timezone

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Welcome to the first meeting experiences related to Biodiversity collaboration.

The development and fostering of collaborative Applications with partners from Latin America, Africa and the Middle East, Central Asia and Asia-Pacific.

MAGIC is being implemented by a consortium of Regional Education & research networks (RENS) and National R&E networks (NRENS) from 20 countries and regions around the world.

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<https://eventos.redclara.net/indico/event/540/>

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GMT T. Altamirano López

First virtual meeting of the Global Science Community on Environment

18 de febrero de 2016
GMT timezone

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Welcome to the first meeting experiences related to Remote Instrumentation in the world, contributing and sharing knowledge and exploring the possibility of collaboration.

The development and fostering of Global Science Communities is the major activity of MAGIC (Middleware for collaborative Applications and Global virtual Communities, <http://www.magic-project.eu/>) a project lead by RedCLARA with partners from Latin America, Europe, the Caribbean, West and Central Africa, Eastern and Southern Africa, North Africa and the Middle East, Central Asia and Asia-Pacific.

MAGIC is being implemented by a consortium of Regional Education & research networks (RENS) and National R&E networks (NRENS) from 20 countries and regions around the world.

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GMT T. Altamirano López

First virtual meeting of the Global Science Community on Remote Instrumentation

25 de febrero de 2016
GMT timezone

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Welcome to the first meeting of the GSC on Remote Instrumentation. This activity aims to offer the opportunity of knowing different experiences related to Remote Instrumentation in the world, contributing and sharing knowledge and exploring the possibility of collaboration.

The development and fostering of Global Science Communities is the major activity of MAGIC (Middleware for collaborative Applications and Global virtual Communities, <http://www.magic-project.eu/>) a project lead by RedCLARA with partners from Latin America, Europe, the Caribbean, West and Central Africa, Eastern and Southern Africa, North Africa and the Middle East, Central Asia and Asia-Pacific.

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Starts 25/02/2016 13:00
Ends 25/02/2016 15:00
GMT

Altamirano López, Tania Banda, Tiwonge

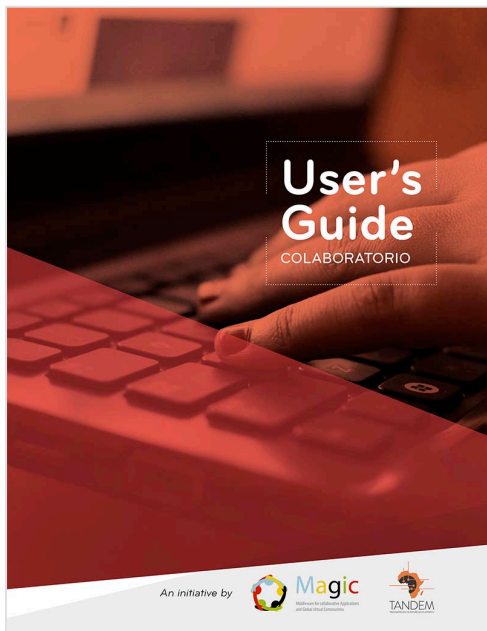
Slides

Hours are presented in GMT/UTC (Greenwich Mean Time). Please check your local time at: http://www.worldtimeserver.com/convert_time_in_UTC.aspx

MAGIC
Middleware for collaborative Applications and Global virtual Communities

<https://eventos.redclara.net/indico/event/541/>

Material de Capacitación



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A collaboration project to globally connect researchers and academics

Building on the success of the ELORA project, RedCLARA - with partners from Africa, Arab States, Asia, Europe, Latin America and The Caribbean - is leading MAGIC, a cooperation project which aims to significantly improve the ability of researchers and academics around the world to collaborate together.

Connect, contribute, collaborate!

MAGIC is fostering the collaborative work of **Global Science Communities** by:

- Actively promoting the participation of researchers from all participating regions in European Commission Calls and those of other international funding agencies with high impact in the participating regions and other networking activities.
- Promoting and fostering the use of collaboration technologies among worldwide research communities, encouraging the proper and active use of the collaborative platforms, services and tools; by supporting them with training material and activities to learn how to use the tools.
- Using these collaborative platforms to spread knowledge and the practices of the Global Science Communities by sharing information and experiences among experts in the priority fields identified, looking to raise awareness of prevailing issues to wider audiences including policy makers, and also, to foster and improve collaboration among researchers of the MAGIC regions.

Information please write to the leader, Tiwonge Banda, at tiwonge@magic-project.eu

supported by the European Commission

users in Latin America.

How can we manage to do serious research without the resources to analyse our data?

MAGIC is uniting people with similar projects and issues in GLOBAL SCIENCE COMMUNITIES so that they can share! If we work with colleagues who have the instruments to do the analysis, we could get it done!

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<http://magic-project.eu/>

Socios



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- Socios del Proyecto

- RedCLARA
- TERENA
- DANTE
- RENATA
- RNP (Non funded by EC)
- SURFNet (Unfunded)
- REUNA
- CEDIA
- CUDI (Unfunded)

- Socios Adheridos

- InnovaRed, APAN, EtherNet (Etiopía), RENAM (Moldova)

- Socios del Proyecto

- RENATER
- GRNet
- CESNet
- CKLN
- UbuntuNet
- WACREN
- ASREN
- TEIN*CC (Unfunded)
- CAREN NOC (NIT)
- NIIF
- CSIR (Unfunded)



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25/05/16

Reunión CUDI Primavera 2016 25, 26 y 27 de mayo



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<http://www.magic-project.eu>