

Project Evaluated and Approved for a Grant by the EC in Horizon 2020

EU Contribution:

1,388,972€

START:

May 1st 2015

END:

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www.magic-project.eu



Magic

Middleware for collaborative Applications and Global vlrtual Communities

Members

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)



A collaboration project to globally connect researchers and academics

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



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Building on the success of the ELCIRA 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.

General Objective

- 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.

Specific Objectives

- To enable mobility and seamless access to services by:
 - promoting the establishment of identity federations connected to eduGAIN,
 - creating awareness of privacy and security issues, and
 - increasing uptake of eduroam.
- To enable the provision of collaboration tools and services among NRENs based on NREN-run applications made available via a worldwide application market.
- To seek consensus on interoperability of real-time applications and work towards the adoption of standards such as those proposed by the Global CEO Forum.
- To foster the collaborative work of Global Science Communities by actively promoting the participation researchers in European Commission Calls, etc.



Work Packages (WP) Activities

WP1 Management

WP2 Platforms for Mobility

- Analyse the regions that will encompass the project scope to design the best Federation architecture to be implemented per territory
- Develop and adapt training material for Identity Federation and eduroam deployment, supporting local language requirements as necessary
- Implement online training for Identity Federations and eduroam in an e-learning platform (NREN or project partner)
- Identity Federation and eduroam training workshop for Regional RENs
- Develop and provide in-class training (boot camp) to establish identity management professionals in the region

WP3 Cloud Provisioning and Groupware Standards

- Agreements for a standard in federated group management (FGM Standard) and Application Programming Interfaces (API) for it
- Definition of a set of applications that will adopt the FGM Standard
- Recommendations for Service Definitions from a marketing point of view
- Pilot portals for Latin America and other regions as appropriate, incorporating the FGM Standard
- Definition of a standard for interoperability of cloud provisioning
- Deployment of a pilot Federated Cloud Service (FCS) model, for a set of NRENs in LA, Europe, Africa, etc.

WP4 Agreements for Real Time Collaboration

- To foster the adoption of the NRENum.net standard, for universal dialing using the Domain Name System (DNS) infrastructure
- To promote, and work with the GRTC group on the deployment of a global standard for federated directories
- To integrate H.323 and MCONF to achieve unified communications for the academic world

WP5 Global Science Communities

- Agreements on a set of Worldwide User communities of common interest to the participating regions
- Implementation of an Information System on Worldwide funding opportunities aimed at the end users and the user communities
- Development of a set of Worldwide Virtual days to foster collaboration at a worldwide scale on the above selected topics
 - H2020 Virtual information days to promote participation in International Calls
 - Training material for the use of Cloud provided applications for collaboration
- Worldwide User communities virtual meetings and seminars

WP6 Dissemination and Training