



# MAGIC

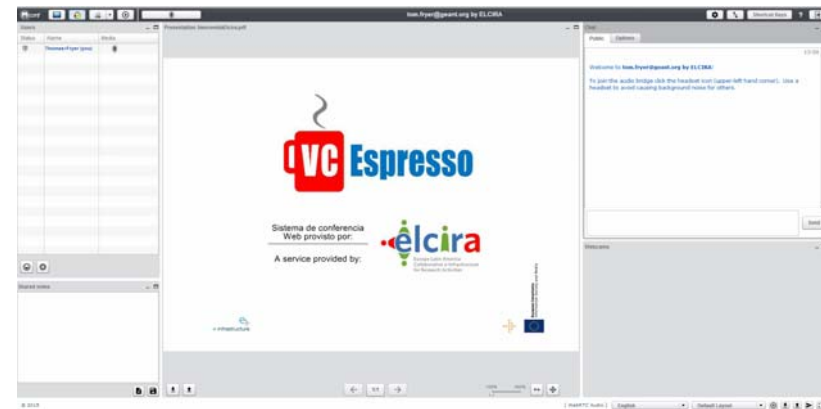
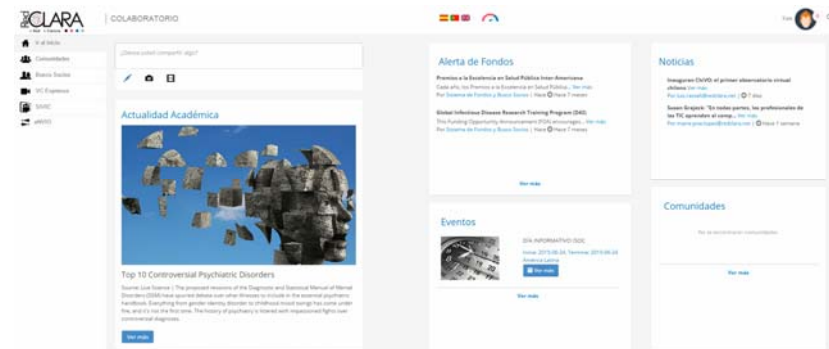
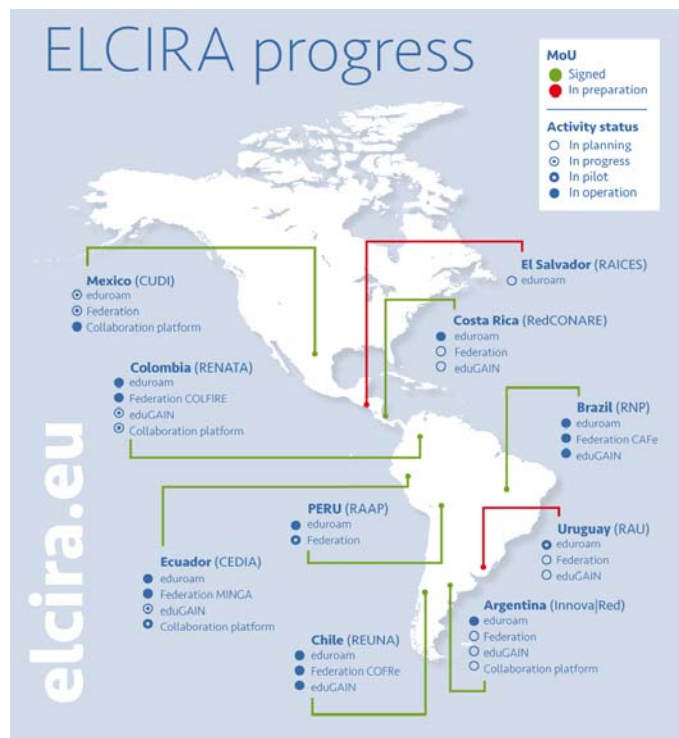
## Overview for GN4 NA4

Tom Fryer | GÉANT | 21-05-15 | NA4 Meeting



# Background - ELCIRA

- Europe-Latin America Collaborative e-Infrastructure for Research Activities.
- 2-year project led by RedCLARA (2012-2014)
- Focused on developing eduroam, AAI, collaboration tools, reliable VC services, developing research communities in Latin America





# General Objective

## Middleware for collaborative Applications and Global virtual Communities

- 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
  - Increasing uptake of eduroam by:
- 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.



# Partners

- Grant Partners

- RedCLARA (Latin America)
- 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

- APAN (Asia-Pacific)
- AARNET (Australia)





# Work Packages

- WP1: Management
- WP2: Platforms for Mobility
- WP3: Cloud Provisioning and Groupware Standards
- WP4: Agreements for Real Time Collaboration
- WP5: Global Science Communities
- WP6: Dissemination and Training



# WP1: Management

- WP Leader: RedCLARA
- WP participants: All partners
- Activities:
  - 1.1 General Coordination
  - 1.2 EC Contract management
  - 1.3 Budget management
  - 1.4 Deliverables and Milestones follow up
  - 1.5 Reporting





## WP2: Platforms for Mobility

- WP Leader: RNP
- WP Participants: RedCLARA, GÉANT, RENATA, REUNA, CEDIA, CUDI, RENATER, GRNET, CESNET, CKLN, UbuntuNet Alliance, WACREN, ASREN, TEIN\*CC, NITC, NIIFI, CSIR, SURFnet.
- Activities:
  - 2.1 Analyse the regions that will encompass the project scope to design the best Federation architecture to be implemented per territory;
  - 2.2 Develop and adapt training material for Identity Federation and eduroam deployment, supporting local language requirements as necessary
  - 2.3 Implement online training for Identity Federations and eduroam in an e-learning platform (NREN or project partner)
  - 2.4 Identity Federation and eduroam training workshop for Regional RENs
  - 2.5 Develop and provide in-class training (boot camp) to establish identity management professionals in the region.
  - 2.6 Implement the model selected in 2.1 for federation deployment







## WP3: Cloud Provisioning and Service-sharing Groupware Standards

- WP Leader: RedCLARA
- WP Participants: GÉANT, RENATA, RNP, REUNA, CEDIA, CUDI, RENATER, GRNET, CESNET, CKLN, UbuntuNet Alliance, WACREN, ASREN, TEIN\*CC, NITC, NIIFI, CSIR, SURFnet.
- Activities
  - 3.1 Agreements for a standard in federated group management (FGM Standard) and Application Programming Interfaces (API) for it
  - 3.2 Definition of a set of applications that will adopt the FGM Standard
  - 3.3 Recommendations for Service Definitions from a marketing point of view
  - 3.4 Pilot portals for Latin America and other regions as appropriate, incorporating the FGM Standard
  - 3.5 Definition of a standard for interoperability of cloud provisioning
  - 3.6 Pilot of Federated service provisioning between the regions in 3.4
  - 3.7 Deployment of a pilot Federated Cloud Service (FCS) model, for a set of NRENs in LA, Europe, Africa, etc.
  - 3.8 Evaluation of the FCS by the user NRENs
  - 3.9 Refinement of the FCS using the feedback obtained from NRENs





# WP4: Agreements for Real Time Collaboration

- WP Leader: RENATA
- Participants: RedCLARA, GÉANT, RNP, REUNA, CUDI, RENATER, CKLN, UbuntuNet Alliance, WACREN, ASREN, NIIFI, CSIR.
- Activities
  - 4.1 To foster the adoption of the NRENum.net standard, for universal dialing using the Domain Name System (DNS) infrastructure.
  - 4.2 To promote, and work with the GRTC group on the deployment of a global standard for federated directories
  - 4.3 To integrate H.323 and MCONF to achieve unified communications for the academic world



# WP5: Global Science Communities



- WP Leader: UbuntuNet Alliance
- Participants: RedCLARA, GÉANT, RENATA, RNP, CUDI, GRNET, CKLN, WACREN, ASREN, TEIN\*CC, NITC, NIIFI, CSIR.
- Activities:
  - 5.1 Agreements on a set of Worldwide User communities of common interest to the participating regions
  - 5.2 Implementation of an Information System on Worldwide funding opportunities aimed at the end users and the user communities
  - 5.3 Development of a set of Worldwide Virtual days to foster collaboration at a worldwide scale on the above selected topics
  - 5.4 H2020 Virtual information days to promote participation in International Calls
  - 5.5 Training material for the use of Cloud provided applications for collaboration
  - 5.6 Worldwide User communities virtual meetings and seminars





## WP6: Dissemination & Training

- WP Leader: RedCLARA
- Participants: GÉANT, RNP, CUDI, RENATER, GRNET, CKLN, UbuntuNet, WACREN, ASREN, TEIN\*CC, NITC, NIIFI.
- Activities:
  - 6.1 Planning of dissemination and co-ordination of training activities
  - 6.2 Creation and management of the project's website: depicting information related to the project development, advances, achievements, training activities, etc.
  - 6.3 Production of online and physical dissemination material tailored to different audiences/users and project needs;
  - 6.4 Participation in specific international events in order to promote the advances and success of the project. Key events will be TNC and regional conferences such as TICAL, UbuntuNet-CONNECT, APAN, e-AGE, etc.
  - 6.5 Support to Communities and Training Activities.





# Funding

- Project evaluated and approved for a Grant by the EC in Horizon 2020
- EU contribution € 1,388,972
- Start: 1<sup>st</sup> May 2015





# First Activities

- Workshop at IST Africa
  - May 6-8, 2015, Lilongwe, Malawi
- TANDEM-SciGaia-MAGIC Meeting
  - May 11, 2015, Paris, France
- Kick off Meeting
  - June 11-12, 2015, Paris, France





# **MAGIC**

## Middleware for collaborative Applications and Global virtual Communities

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

(soon)

