



## Memorandum of Understanding

between

## CHAIN-REDS and ELCIRA



### **1. Parties and introductory remarks**

The objectives of the CHAIN-REDS project (Grant Agreement no. 306819, [www.chain-project.eu](http://www.chain-project.eu)) are to:

1. Extend and consolidate the international cooperation of Europe with other regions of the world in the domain of e-Infrastructures for Research and Education, reinforcing the scientific collaboration and broadening the impact of the European Research Area;
2. Promote, coordinate and support the effort of a critical mass of non-European e-Infrastructures for R&E to collaborate with Europe addressing interoperability and interoperation of Grids and other DCIs such as potential upcoming Cloud federations and HPC centres;
3. Study the opportunities of data sharing across different e-Infrastructures and continents widening the scope of the existing CHAIN Knowledge Base to Data Infrastructures and Cloud implementations;
4. Promote trust building towards open Scientific Data infrastructures across the world regions including organisational, operational and technical aspects;
5. Demonstrate the relevance of intercontinental cooperation in several scientific data fields addressing existing and emerging Virtual Research Communities (e.g. Earth Science, Climate Change, Genomics, etc.) and propose pragmatic approaches that could impact the everyday work of the single researcher, even if not structured in a Virtual Research Community;
6. Provide guidance and recommendations for roadmaps for long-term global collaboration in e-Infrastructures and harmonization of existing policies. These are envisaged to act as input to policy and decision-making mechanism, harmonized with European Digital Agenda and the Horizon 2020.

The ELCIRA project (Grant Agreement no. 313180, [www.elcira.eu](http://www.elcira.eu)) seeks to:

1. To promote the trustworthy exchange of information between research groups in Latin America and Europe by fostering the creation of federations for authentication, authorisation and identity (AAI) mechanisms;
2. To strengthen the collaboration in developing and deploying cooperation services and tools capable of better integrating the research communities of Europe and Latin America by:
  - a. Working towards the integration and operation of videoconference services for Latin America and Europe, by defining documentation and processes for agreeing on a set of standards such as addressing scheme and directory systems necessary for future interoperable services;
  - b. Enhancing and strengthening the collaboration of Europe and Latin America in service development activities through the integration of the existing RedCLARA Portal services with TERENA's tools. The future services will be analysed and piloted as cloud services developed by, deployed by or made available within the two research and education communities;
3. To establish the necessary co-ordination and agreements to move towards better integrated mobility services for researchers by establishing the necessary agreements to deploy a federated eduroam service for Latin America and to establish an eduroam Exchange Point for Latin American NRENs as well as supporting the

necessary dissemination activities with the NRENS in order to foster its deployment by RedCLARA's partner NRENS;

4. To actively promote the participation of Latin American researchers in European Commission Calls and other international funding agencies with high impact in the region.

CHAIN-REDS and ELCIRA projects receive funding support from the European Commission in the context of its Seventh Framework Programme.

Both initiatives have a common interest in a close cooperation in order to achieve their respective objectives and promote the adoption of consolidated standards, both in the e-Infrastructure and federated identity services domains, with the ultimate aim of widening the number of potential users of Latin American Computing, Storage and Data Infrastructures.

## **2. Common Activities**

Activities which will be undertaken in common by the two initiatives are listed in Annex 1 to this MoU. The initiatives may from time to time wish to add other activities to the MoU. In such case the new activities to be added will be agreed in writing by the respective initiatives managements or people in charge, and be defined by an amendment of this MoU, simply adding a new Annex 1.

## **3. Communication**

The Project Directors, or people in charge of the two initiatives nominated by them, will maintain regular contact to discuss any managerial matters related to the cooperation described in this MoU. Each initiative will appoint at least one Principal Point of Contact to act as the technical channels of communication between the initiatives as is necessary for the promotion of effective cooperation between the projects.

## **4. Administrative Matters**

Each initiative will maintain full responsibility for its own activities, including the fulfilment of its obligations under its Grant Agreement with the European Commission or funding agency and provides no warranty, express or implied, in respect of its contribution to any activity agreed by the initiatives under this MoU, including but not limited to those of fitness for a particular purpose and the infringement of third-party proprietary rights.

Any proprietary rights relating to the results of activities undertaken by the initiatives under this MoU shall be jointly held by the projects, and each initiative herewith grants the other initiative a free, irrevocable and perpetual license to use such rights, including the granting of sub-licenses to such rights, for its own purposes, including the right for each project to place the results of such activities in the public domain, in its own name and under its own responsibility.

This Agreement will terminate when either of the initiatives is complete, or when either initiative gives notice of termination to the other, in which case a minimum notice of three months will be given.

Duly signed in 2-fold by:

Signed on behalf of CHAIN-REDS by:

Name: Federico Ruggieri (project director)

Signature:

Handwritten signature of Federico Ruggieri in black ink, appearing as a cursive script.

Date: 2 April 2013

Signed on behalf of ELCIRA by:

Name: Florencio Utreras (project director)

Signature:

Handwritten signature of Florencio Utreras in black ink, appearing as a stylized cursive script.

Date: April 1<sup>st</sup>, 2013

## Annex 1 – Coordinated Activities

### **Promotion of standards to widen and simplify access to interoperable e-Infrastructures in Latin America and the rest of the world by means of federated identity services**

- Each project will mark its presence to other project's initiatives such as workshops and conferences with presentations and/or demonstrations;
- Both projects will promote standard-based frameworks and paradigms, such as Science Gateways and Identity Inter-Federations, to access and use scalable and interoperable e-Infrastructures worldwide;
- CHAIN-REDS will promote ELCIRA standards in its events and documents addressing the Latin American virtual research communities;
- ELCIRA will promote CHAIN-REDS standards in its events and documents addressing the access to/use of distributed computing, storage, and data infrastructures;
- Both projects will collaborate to co-organise and run schools and tutorials in Latin America for the creation of federated identity services, such as Identity Providers and Federations, and for the installation of Science Gateways and applications therein and their configuration as Service Providers of Identity Inter-Federations;
- Both projects will explore the possibility to federate, through the adoption of widely accepted standards, e-Infrastructures (Grid-, cloud- or HPC-based), Open Access Document and Data Repositories in Latin America with those existing in other regions of the world;
- Both projects will contribute to the raising of awareness of both new potential users and decision makers in Latin America, through the presentation of their respective results, about the usefulness of e-Infrastructures and federated identity services for e-Science.

CHAIN will fully exploit the collaboration with ELCIRA providing complementary actions on those countries and/or institutes which are not participating to ELCIRA.

CHAIN-REDS contact persons for the execution of this MoU will be:

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- Rafael Mayo – CIEMAT – Tel. +34 913466741 - rafael.mayo@ciemat.es

ELCIRA contact persons for the execution of this MoU will be:

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