SCALAC: Advance Computer Service for Latin America and the Caribbean

June 19th 2013

SPEAKERS

- **David Kelsey**, STFC-RAL, United Kingdom
  Federated Identity Management for Research Communities (FIM4R)

- **Roberto Barbera,** University of Catania, INFN and CHAINREDS, Italy
  Federated access to eInfrastructures

- **Jim Basney**, National Centre for Supercomputing Applications (NCSA), University of Illinois, USA
  InCommon & CILogon: Federated Identities Supporting Science

- **Derek Simmel**, Pittsburgh, Supercomputing Centre, USA
  XSEDE Authentication Infrastructure

- **Leandro Guimarães**, RNP and ELCIRA Project, Brazil
  ELCIRA experience and Latin America Identity Federations

- **Alejandro Lara**, REUNA, Chile
  COFRe – Comunidad Federada

http://www.redclara.net/indico/evento/
DV_FederacionIdentidad

The Advanced Computing Service for Latin America and the Caribbean – SCALAC, is an initiative that responds to the needs of the users of High Performance Computing in the region. SCALAC, launched in March 2013, with the support of RedCLARA, is the continuation of a major effort that was built through cooperation projects with the European Commission, like GISELA (Grid Initiatives for e-Science virtual communities in Europe and Latin America), CHAIN (Co-ordination & Harmonisation of Advanced e-Infrastructures) and CHAIN REDS (Coordination & Harmonisation of Advanced e-Infrastructures for Research and Education Data Sharing).

The main objective of SCALAC is the integration of a regional community of researchers and technologists who combine their skills to provide advanced computing services to the region and the rest of the world. SCALAC is building the services of access to advanced computing capabilities such as grid computing, cloud computing, scalable supercomputing architectures, remote scientific visualization, data repositories, among others.

This academic and research community is constituted by groups of researchers and technologists from different countries, offering their time, expertise, computing resources, as well as the telecommunications network infrastructure. Additionally this community has the backing of the academic networks of Argentina, Colombia, Costa Rica, Ecuador and Mexico. SCALAC is also support by the SiNaPad Centre (Brazil), the BSC Centre and CETA-CIEMAT Centre (both from Spain).

Herbert Hoeger, SCALAC: Trying to build access to advanced computing capabilities

What is the main objective of SCALAC?

It is the integration of a regional community of researchers and technologists who combine their skills to provide advanced computing services to the region and the rest of the world .

Groups of researchers and technologists from each country offer their time, expertise, computing resources, as well as the telecommunications network infrastructure in order to achieve this purpose.

SCALAC services are based on a virtual network of resource centers established and distributed in the region for the development of e-Science projects . Among the services that SCALAC aims to build is the access to advanced computing capabilities such as grid computing, cloud computing, scalable supercomputing architectures, remote scientific visualization, data repositories, among others.

What is the importance of SCALAC for Latin America and the Caribbean and how it relates to the experiences of EELA, EELA2 and GISELA?

SCALAC is the continuation of these projects and inherited the technical and organizational structure of GISELA. SCALAC seeks to integrate computational and human resources for researchers in Latin America to access a wider range of resources, applications and locally existing knowledge, allowing them to be more productive and to address problems of regional impact.

October 20th, 2013
RedCLARA: *http://www.redclara.net/index.php/en/noticias-y-eventos/ noticias/destacados/1469-herbert-hoeger-scalac-trying-to-build-access-to-advanced-computing-capabilities*

SCALAC Virtual Day as testimony of best practice

On June 19th 2013, ELCIRA, CHAIN REDS, TAGPMA and TERENA held the Identity Federations Virtual Day. SCALAC was represented on this team by CHAINREDS, who as we said, is the "project predecessor" of SACALAC initiative.

This videoconference allows the participants to discussed about the identity management that even if it is a complex process, enables users access to specialized resources and academic services of Universities and Research Centres in an easy but secure manner.

As presenters of this conference participated Derek Simmel and Jim Basney speaking about their experience in two of the majors Supercomputing Centre in United States. David Kelsey (United Kingdom) and Roberto Barbera (Italy) shared the lessons learnt during the process of getting transnational federations that allow access to highly specialized resources from all the corners of Europe. And finally, Leandro Guimarães (Brazil) and Alejandro Lara (Chile) presented the ELCIRA´s objective to develop a federation in Latin America.

This Federation Virtual Day connected twelve videoconference rooms from Argentina, Mexico, Chile, Brazil, Venezuela, Ecuador, Colombia, USA, Canada, Portugal, Italy, and UK. It welcomes also more than 60 participants via the streaming transmission.

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ELCIRA
Europe Latin America Collaborative e-Infrastructure for Research Activities

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https://comunidades.redclara.net/ wiki/scalac