DeCLARA

ALICE2 Project officially concludes

Are your bags ready for Cartagena de Indias?
TICAL2013 special edition

ELCIRA marked its presence at TNC2013

TICAL | CONFERENCIA 2013

RedCLARA

Press Contact:
María José López Pourailly
PR & Communications Manager - RedCLARA
maria-jose.lopez@redclara.net
(+56) 2 2 584 86 18, extension 504
Avenida del Parque 4680-A
Edifico Europa, oficina 505
Ciudad Empresarial
Huechuraba
Santiago
CHILE

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Editorial

Ernesto Chinkes
TICAL President 2013

ICT General Coordinator Universidad de Buenos Aires (Buenos Aires University)

Just in a few days those of us who have the responsibility for managing Information Technology and Communications in the Latin American Universities will meet again.

In this third TICAL edition meets us with a consolidated event. After the success of Lima 2012, with more than 200 participants from 28 countries, we want to go for more. We have respected the strengths that made the Conference grow, trying to incorporate improvements that allow us to enhance it. First of all, I can tell you that we will have the presentation of 30 papers selected by the Program Committee and organized in four distinct subject areas in order to be able to share them in a better way: Infrastructure, Solutions to improve Education and Research, Solutions to improve Management, and ICT Governance. For this edition we received the untold number of 71 papers. It was a difficult task to select those 30 that we considered as the best for the event. So, we will have the opportunity to hear the best experiences of our region, directly by their protagonists, and thus reflect, consult and discuss among peers. We will also have presentations that will be given by prominent guests, which together with the participation of leading companies; will ensure a unique event in terms of relevance and quality.

I do not want to forget the possibility that TICAL's format gives us to exchange experiences, good practices, successful projects and learned lessons; not only within thepresentations scope, but also during lunch, dinner and all the other social scenarios. All of this will allow us to

return to our countries with ideas to imitate, recommendations to ponder and new "friends" to join in our support networks.

Universities play a major role in the life of the nations and, in the knowledge era, their responsibility in influencing their development in a positive way is even greater. In this context, I am convinced that information and communication technologies have a prominent role. They offer the opportunity to strengthen and enhance their actions; they allow to create and motorize new possibilities in research, teaching and growing, making quantitative and qualitative improvements in the institutions, and through them, in their communities.

We live in untold times. Within such complex institutions, the constant evolution of the technologies and of the environment makes of the incorporation and administration of ICT a difficult and demanding task. It is a hard and intense way,

but that, in my view, is full of incentives to go through it with passion and commitment. Hence the importance of TICAL growth as a venue for sharing experiences, exchanging knowledge, encouraging initiatives and understanding trends. As well as the possibility that it offers to establish connections among the institutions to generate collaboration partnerships to exploit synergies within the group.

I hope that we can meet in TICAL 2013 and share our passion for ICT, for the Universities and for collaboration. See you on 8th and 9th July in Cartagena de Indias.

TICAL2013:

On your marks… Ready? Go

8 and 9 of July have the scent of the Information and Communication Technologies in Latin America and it house in Cartagena de Indias. Yes, clearly we mean TICAL2013 Conference. Now, just a few days from starting, it promises to be not only the great meeting point among Directors of ICT of the Latin-American universities, but also the best of the three versions. Are you already registered? Remember! The appointment is on 8 and 9 July at the Cartagena de Indias Convention Center (CCCI), "Julio Cesar Turbay Ayala".

Tania Altamirano L. y María José López P.

Information management, mobility, outsourcing and the governance of ICT in organizations, are some of the current issues that the Directorate of the Information and Communication Technologies (ICTs) departments of the universities are daily dealing with. The university of the future is a reality that must be analyzed and managed. It requires to take decisions about changes and how they will be implemented.

Certainly it´s not an easy task, as it is a field where technology, the user's behavior and the demands change dramatically and therefore it is difficult to determine which alternatives to implement and/or which path to take. In this scenario, sharing good practices, establishing collaborative initiatives, fostering synergies and sharing those lessons learned in different fields, are activities that strongly contribute to take decisions about what changes to make and how to deal with them.

TICAL 2013 aims to share good practices, to highlight and disseminate those of them that are replicable, and to get knowledge from all the learned lessons, thus contributing to the ICT management in universities which is a task that is more challenging and demanding every day.

Tematic axis:

1. Share Collaborative Experiences: Experiences or projects where different institutions have participated generating, from collaboration, benefits for each of its members. The following topics are examples of this axis: Cooperative acquirement of goods and services, Collaborative services: eduroam, etc., Federations, Grids, Collaborative systems developments, Access to Digital Libraries, Contingency plans for disaster recovery.

2. Solutions for Teaching and Research: Experiences from implemented projects or operative services that impact providing meaningful solutions for research, teaching or management in higher education institutions, such as: Scientific visualization, Tools for simulation, Tools for collaboration, Virtual computer labs, Solutions for project management, Management and distribution of specialized software, Cloud based solutions, Solutions based on mobile devices, Technology in the classroom, Knowledge management: repositories, digital magazines, etc., Solutions based on third party services, Multimedia.

3. Management Solutions: Experiences from developed projects or services in operation that are producing real impact by providing meaningful solutions for research, teaching or management in higher education institutions. Among them: Solutions for collaborative work, Solutions for project management, Cloud based solutions, Solutions based on mobile devices, Business Intelligence, Support for the accreditation process, Document management and digitalization, Solutions based on third party services, Solutions of added-value on infrastructure.

4. Management and Governance of ICT: Share projects and developed actions in higher education institutions to manage the ICT area in an efficient,

effective and aligned with corporate objectives way. The following are the issues suggested: Structure and HR, Policies, Security management, Strategy, Project Management, Innovation management, Adaptability to environment, Funding / costs, Protection of the intellectual property and digitalized information, ICT Knowledge Management, Process management, Metric.

5. Infrastructure: Experiences from developed projects or services in operation that have improved the informatic and/or communication infrastructure of higher education institutions, to enhance the opportunities to offer new and better services. Some suggested topics are: Networking,

Wireless networks, PKI, Videoconferencing Systems, Storage, Data Centers, Outsourcing, Clouds as infrastructure, VOIP, IPv6, High Performance Computing (HPC).

In the following pages we invite you to know all about TICAL2013 alternatives. If you lose it, do not say we did not warn you ... The Conference will be POWERFUL.

Please note:

Online TICAL2013 registration (PayPal payment enabled): http://tical2013.redclara.net/es/registro.html.

Early registration: July 7, 15:30 to 18:30 at CCCI

If you have already registered and paid, this is the ideal time to pick up your credential and Conference materials; if you registered and must pay, take on Sunday, so prevent Monday agglomeration and already have the material; if you have not registered, do it this day and ensure your spot!

TICAL2013 will be held in "Julio Cesar Turbay Ayala" Cartagena de Indias Convention Center (CCCI), located in Getsemaní, Carrera 8°, Cartagena de Indias, Colombia.

TICAL2013 website: http://tical_2013.redclara.net.

30 papers were selected for TICAL 2013

The material will be part of the program of the Conference. Argentina, Brazil, Colombia, Uruguay, Paraguay and Peru are some of the countries from where the authors Hill be comming from.

Tania Altamirano L.

As a result of the announcement made through the national research networks and through the institutions related to information and communications technologies in Latin America, 70 papers postulated to be part of the Third Conference of Information and Communication Technologies Directors from higher education institutions, ICT Management for Research and Collaboration, TICAL2013.

All the submitted proposals were evaluated by the program committee integrated by its President, Ernesto Chinkes – University of Buenos Aires (Argentina), Andrés Holguin – University of Los Andes (Colombia), Francisco Valdivia - DUOC (Chile), Jussara Issa Musse - Federal University of Rio Grande do Sul (Brazil), Miguel Montes – National University of Cordoba (Argentina) and Enrique Peláez - Escuela Superior Politécnica del Litoral (Ecuador).

The 30 selected works that will be part of the Program of TICAL 2013 are (in their native language):

1. Experiencias colaborativas e interdisciplinaria en proyectos en e-art en la comunidad de Anilla Cultural de Colombia y Arcu-red-7-04-2013

2. Experiencia de la UIS en la instalación e implementación del centro de control de Red de datos (COR-UIS)

3. Gerenciamento Técnico e Administrativo no Uso da Plataforma Web para os Serviços de PAD

4. FEIRA DE SERVIÇOS CPD: experiência inovadora na UFRGS

5. Laboratorio Remoto Virtual para la Enseñanza de Administración de Redes

6. Solución Web para Generar Sitios Móviles Accesibles que Permitan Proveer Información Pública Universitaria

7. Dinámica de funcionamiento de la Red Universitaria Antioqueña –RUANA- Colombia: Un esquema Ad-hoc

8. Evolución de la Red de Interconexión Universitaria de Argentina

9. Soluciones de TI orientadas al conocimiento, el trabajo colaborativo y la movilidad en la Fundación Universitaria Católica del Norte

10. Innovación desde lo virtual: las TIC y su poder de transformación en las nuevas formas de enseñar y aprender en la Universidad de la Costa

11. Compartiendo conocimiento con TIC a través de la implementación del Banco de OVAS

12. La experiencia de la Universidad de Buenos Aires en el diseño e implementación de soluciones TIC innovadoras para fortalecer la enseñanza

Outstanding speakers

Distinguished experts from Brazil, Colombia, Spain and the United States will be part of the intensive program that will have as stage the walled city of the Colombian Caribbean, Cartagena de Indias. Meet them!

Tania Altamirano L. y María José López P.

Mauro Cesar Bernardes

He has a degree in Computer Science (UNIFENAS 1995), and completed his MA (1999) and PhD (2005) in Computer Science at the University of Sao Paulo (USP). He is currently the head of the technological division at the Electronic Computing Centre (ECC) and professor at the Institute of Mathematics and Statistics (IME), both part of the University of Sao Paulo. At ECC he coordinates projects related to the development of an IT Services Governance and Management model. He has experience in Computer Science, focusing on IT Governance and Computer Security.

Luis Enrique Arango

He obtained a degree in Mechanical Engineering and Electrical Engineering at the Technological University of Pereira (UTP). He is a specialist in networks and telematic services at the University of the Cauca and obtained an MA in Electrical Power at the University of Chile.

He is the founder and president of the Network of Public Universities from the Coffee Growing Region; at the same time, he is a member of the National Council for Science and Technology, as a representative of the public university in Colciencias. He has vast experience in university networks, gained through his leadership at the Alma Mater Network and with the view of a Public University.

His job experience features highlights like the post of General Manager at the Pereira Public Companies and Regional Manager at Telecom. He is currently the vice-chancellor of the Technological University of Pereira (UTP), since 2000.

Tomás Jiménez García

He obtained his degree in Mathematical Science at the University of Murcia in 1982. Tomás Jiménez works as Executive Secretary of the Technology Area of the Conference of Vice-Chancellors of Spanish Universities (www.crue.org), Director of the Technology Area in the University of Murcia (www.um.es/atica) and Director of the International Observatory at the TUI (http://www.observatoriotui.com). Together with these tasks, he is also part of the Spanish Government's Expert Group on Electronic Administration.

During six years he was professor of software engineering at the University of Murcia's School of Informatics. He worked as advisor to the European Commission for the evaluation of IT projects and as General Director of Informatics for the Government of the Murcia region.

Shelton Waggener

He is the Senior Vice President of Internet2 responsible for the NET+ portfolio of services. Shelton leads Internet2's pursuit of emerging cloud and advanced services above the network involving demand aggregation and brokering with campus and commercial providers, and distributed offerings among its members. Internet2 NET+ includes compute, storage, platform and software services, the integration of identity management and federation with key applications for the research and education community, deployment of collaboration infrastructure among members, including video, coordination and sharing tools, content management, and domain applications. He will also provide leadership for Internet2's InCommon federation, and middleware programs.

Prior to joining Internet2 Waggener served as Associate Vice Chancellor and Chief Information Officer at the University of California, Berkeley beginning in 2005. He served as chair of the University of California CIO Leadership Council and was responsible for supporting multi campus solution designs across the 10 campus UC system.

Prior to joining Berkeley, Waggener spent more than fifteen years in senior positions in the private sector at leading technology firms. Previously held positions include CIO of InterNetworking Systems, an $8B division of Lucent Technologies; Director of IT for Octel Communications; and Senior Director of IT Infrastructure for Sybase.

He is a founding member of the Kuali Student System initiative and founding chair for the Kuali Ready project, the leading business continuity and planning tool for higher education. He currently serves on the board of directors of the Kuali Foundation, a non-profit organization representing 18 Carnegie Class higher education institutions from around the world investing more than $70M in community source developed software for higher education.

Waggener serves on numerous boards, including several not-for-profit organizations supporting the collaboration and advancement of technology in public and private sectors as well as student scholarships. Waggener also sits on the technical advisory panels of several established Silicon Valley firms as well as serving as a resource to numerous information technology startup companies.

LUNES 8 DE JULIO - 2013

07:00 - 08:00 ⓘ **Acreditación**

08:00 - 08:30 👁 **Sesión Plenaria de Inauguración - Bienvenida Autoridades**

08:30 - 09:20 👁 **Sesión Plenaria** - *Technology Leadership in a Federated World: The Role of the Next Generation Chief Information Officer*, Shelton Waggener - Internet2

09:20 - 10:05 👁 **Sesión Plenaria** - Universidades Digitales, Alumnos Conectados, Daniel Jiménez - Telefónica

10:05 - 10:30 💬 **Pausa de Café**

10:30 - 12:00 **Sesiones Paralelas**

A1 🔲 Colaboración
- ☞ Redes Académicas de VoIP Latinoamericanas Frente al Desafío de las Nuevas Tecnologías
- ☞ La Construcción de Comunidades de Práctica para Asegurar el Avance de las TICs en el Sistema Universitario Nacional Argentino
- ☞ Yacaré: Una Experiencia de Desarrollo Colaborativo de Software

B1 ◆ Educación e Investigación
- ☞ Laboratorio Remoto Virtual para la Enseñanza de Administración de Redes
- ☞ La Gestión de TI en la Educación Superior, Caso Incorporación de la Simulación en la Educación Superior
- ☞ Sócrates: Sistema de Respuesta en Clase (CRS) Basado en Tecnología Web para Móviles Dentro de un Entorno BYOD

C1 🔒 Gobernanza
- ☞ *Feira de Serviços CPD: Experiência Inovadora na UFRGS*
- ☞ *Chief Information Technology Officer (CITO) Una Figura Ausente en Universidades Nacionales Argentinas*
- ☞ Planeamiento Estratégico para la Implementación de la Gestión de la Información con las Tecnologías Asociadas en la Universidad Nacional de Cuyo

D1 〰 Infraestructura
- ☞ Experiencia de la UIS en la Instalación e Implementación del Centro de Control de Red de Datos (COR-UIS)
- ☞ Eficiencia en el Monitoreo de Redes y Servidores – Implementación de Xymon en Universidad Nacional de General Sarmiento
- ☞ Despliegue de IPv6 en la Red de Transmisión de Datos Universitaria. El Caso de la Universidad Nacional de Cuyo

12:00 - 13:30 ✒ **Almuerzo**

13:30 - 14:15 👁 **Sesión Plenaria** - *Estratégia para o Desenvolvimento de um Modelo de Governança de TI*, Mauro Bernardes - Universidade de São Paulo

14:15 - 15:00 👁 **Sesión Plenaria** - Desarrollo en Redes Ópticas y Tendencias de Mercado, André Galvão Amaral - Padtec

15:00 - 15:30 💬 **Pausa de Café**

15:30 - 17:00 **Sesiones Paralelas**

A2 🔲 Sistemas de Gestión
- ☞ Soluciones de TI Orientadas al Conocimiento, el Trabajo Colaborativo y la Movilidad en la Fundación Universitaria Católica del Norte
- ☞ Servicio Web de Información e Inscripción para Alumnos en el Marco del Sistema Académico (ACAD7)
- ☞ Censos en Línea en la Universidad de Buenos Aires. Sistema Dinámico que Contribuye con la Gestión en un Contexto Diverso y Masivo

B2 ◆ Educación e Investigación
- ☞ Compartiendo Conocimiento con TIC a través de la Implementación del Banco de OVAS
- ☞ La Experiencia de la Universidad de Buenos Aires en el Diseño e Implementación de Soluciones TIC Innovadoras para Fortalecer la Enseñanza
- ☞ *Motivações e Desafios para a Criação do Repositório Digital da Universidade Federal do Rio Grande do Sul*

C2 🔒 Gobernanza
- ☞ *A Experiência da RNP na Implantação de um Service Desk*
- ☞ Estrategias para la Implementación de ISO 20000 e ISO 27001 en una Universidad Pública Colombiana

D1 〰 Infraestructura
- ☞ *Gerenciamento Técnico e Administrativo no Uso da Plataforma Web para os Serviços de PAD*
- ☞ Sistema Integral de Comunicaciones de la Universidad de Buenos Aires - Experiencias y Lecciones Aprendidas en la Generación de una Infraestructura Convergente que Permita Desarrollar Comunicaciones Unificadas
- ☞ Experiencias Colaborativas e Interdisciplinarias en proyectos en *e-Art* en la Comunidad de Anilla Cultural de Colombia y Arcu-Red
- ☞ Anilla Cultural en Uruguay, una Apuesta de Trabajo Colaborativo Inter-Institucional Entre la Universidad de la República y la Administración Nacional de Educación Pública, como Estrategia para el Desarrollo Cultural y Educativo a través de Redes de Alta Velocidad de Internet

17:00 - 17:30 👁 **Sesión Plenaria** - Oportunidades de Colaboración, Shernon Osepa - Internet Society - y *ELCIRA and eduGAIN: Practical Aspects of Inter-Federation for Academic Collaboration*, Brook Schofield - TERENA

17:30 - 18:15 👁 **Sesión Plenaria** - Tendencias, Retos y Soluciones para BYOD (*Bring Your Own Device*), David Rodríguez - Alcatel Lucent

18:15 👁 **Cierre**

MARTES 9 DE JULIO - 2013

08:00 - 08:45   **Sesión Plenaria - Bienvenida**

Sesión Plenaria - La Difusión Gratuita del Conocimiento Académico y Científico: Un Nuevo Paradigma, Luis Enrique Arango - Rector UTP

08:45 - 09:30   **Sesión Plenaria** - Google, Educación y América Latina, Michele Battelli - Google

09:30 - 10:30   **Sesión Plenaria OUI IOHE** - Gestión de TIC en la Educación Superior en Canadá: La Experiencia de la ETS, François Coallier - *École de Technologie Supérieure*
Mesa Redonda: Gestión de Tecnologías de la Información en Instituciones de Educación Superior

10:30 - 11:00   **Pausa de Café**

11:00 - 12:30   **Sesiones Paralelas**

B3 ◆ Educación e Investigación
☞ Solución Web para Generar Sitios Móviles Accesibles que Permitan Proveer Información Pública Universitaria
☞ Innovación Desde lo Virtual: Las TIC y su Poder de Transformación en las Nuevas Formas de Enseñar y Aprender en la Universidad de la Costa
☞ El Desafío del Acceso a la Educación Superior: Ecosistema de Aprendizaje para la Educación Abierta

E1 Universitic (11:00 - 11:30)
E2 Mesa Redonda: Directores (11:30 - 12:30)

D3 Redes Nacionales
☞ Punto de Intercambio de Tráfico de Voz sobre IP (PIT VoIP) – Relatos y Sugerencias
☞ Dinámica de Funcionamiento de la Red Universitaria Antioqueña –RUANA- Colombia: Un Esquema Ad-Hoc
☞ Evolución de la Red de Interconexión Universitaria de Argentina

F1 Aspectos Legales de la Nube (11:00 - 11:30)
F2 Mesa Redonda: Aspectos Legales de la Nube (11:30 - 12:30)

12:30 - 14:00   **Almuerzo**

14:00 - 14:45   **Sesión Plenaria** - Las TI en el Sistema Universitario Español. Estrategia y Gobernanza TI en Universidades Españolas. Casos de Éxito de las TI Como Ayuda a la Decisión y la Eficiencia Universitaria, y Posibles Líneas Abiertas de Colaboración con Universidades de Hispanoamérica, Tomás Jiménez - CRUE

14:45 - 15:30   **Sesión Plenaria** - Soluciones Creativas para la Creación de Contenidos Educativos Autor, Gilberto Alexander Goyes López - Adobe

15:30 - 16:00   **Pausa de Café**

16:00 - 17:30   **Sesiones Paralelas**

M1 ◆ Servicios Académicos y de Gestión Institucional
☞ Mesa Redonda (16:00 – 16:45)
☞ Grupo de Trabajo (16:45 – 17:30)

M2 Infraestructura y Dispositivos Móviles
☞ Mesa Redonda (16:00 – 16:45)
☞ Grupo de Trabajo (16:45 – 17:30)

M3 Gobernanza
☞ Mesa Redonda: Comunidad TICAL de Gobernanza y Directores TIC (16:00 – 16:45)
☞ Grupo de Trabajo: Gobernanza (16:45 – 17:30)

17:30 - 18:30   **Sesión Plenaria - Conclusiones y Cierre**

**¿Dónde está el salón que busca?
¡Siga la simbología!**

Piso 1 (planta baja):
ⓘ Pórtico Obregón: Registro de participantes
Claustro de las Ánimas: Almuerzos

Piso 2:
Hall de Exposiciones (pasillo): Muestra de Auspiciadores y Pausas de Café
Barahona 4: Sala de Plenarias
Secretaría General: Sala de Sesiones Paralelas: B1, B2, B3, M1
Arsenal: Sala de Sesiones Paralelas: A1, A2, F1, F2, M2
Salón Vip: Personal RedCLARA y Panelistas Sesiones Plenarias (ingreso por Secretaría General)

Piso 3:
Comisión 3 (302): Sala de Sesiones Paralelas: C1, C2, E1, E2, M3

TICAL 2013 scholarships:

Here are the winners!

Beneficiaries will receive financial support to cover airfare and registration amounts for the Conference.

Tania Altamirano L.

In order to promote the participation of national networks and support attendance of members of partners institutions, RedCLARA fielded five (5) scholarships to participate in the Third Conference of Directors of Information and Communication Technologies of Higher Education Institutions, ICT Management for Research and Collaboration, TICAL 2013, to be held on 8 and 9 July in Cartagena de Indias, Colombia.

The 5 scholarships draw for TICAL 2013 was performed using www.random.org platform, through 3 independent draws that allowed similar opportunities to all participating national networks.

The first draw joined the 152 recorded numbers. For the second draw the two previous winning numbers were removed, so it was made with the remaining 150. In the third draw, the winning numbers again were removed, and the last winner was obtained from the remaining numbers.

The winners

First winner: tical_2013_s_145 (RENATA)

Second winner: tical_2013_s_022 (CEDIA)

Third winner: tical_2013_s_102 (RENATA)

Fourth winner: tical_2013_s_119 (CEDIA)

Fifth winner: tical_2013_s_101 (INNOVARED)

According to the rules of the draw, posted on RedCLARA website (see https://www.redclara.net/index.php?option=com_content&view=article&id=1402%3Aredclara-sortea-becas-para-participar-en-tical-2013&catid=5%3Aimportantes&Itemid=353&lang=en) scholarships are given to the winner national networks and they will be responsible of defining the final beneficiaries, except for their directors, who shall not be grantees.

Each scholarship cover translation and registration costs of each winner.

Congratulations to winner networks, see you in TICAL 2013!

June 10th:

RedCLARA celebrated its 10th birthday

Ten years ago, as a result of the ALICE project, the representatives of 13 Latin American countries signed the RedCLARA Constitutive Act, which officially signed the founding of the Latin American Advanced Networking Corporation, a non for profit organization dedicated to scientific development through advanced telecommunications networking for research, innovation and education.

Since its creation in 2004, RedCLARA has been crucial for research and education in Latin America, offering collaboration environments to the scientific community at regional, international and global levels, by means of its connections to GÉANT (Europe) and Internet2 (USA) and through them with the advanced networks in the rest of the world.

Actually RedCLARA strengthens and enhances the academic and scientific work of over fifty regional research communities of nearly 800 universities and research centres from 13 Latin American countries.

Happy 10th Anniversary RedCLARA!

ELCIRA marked its presence at TNC2013

A meeting of the project team, promotional material available on the GÉANT booth, a poster displaying information and the signing of three important agreements marked the presence of ELCIRA during the four-day conference that brings together the world's advanced networks.

Tania Altamirano L.

From 3 to 6 June in the city of Maastricht in the Netherlands, was conducted the TERENA Networking Conference, TNC2013, where the ELCIRA project - Europe Latin America Collaborative e-Infrastructure for Research Activities – marked its presence in different ways and formats.

To provide information about the work that has been carried out by the Project and invite the research community members to participate in the initiative, ELCIRA brochures were placed in the stand of the pan-European network GÉANT. Furthermore, Tania Altamirano, ELCIRA journalist, on Wednesday 5th June, from 10:30 to 11:00, was available at the booth to receive and respond questions from the visitors.

As a part of the project material, a poster showing ELCIRA's objectives, activities and opportunities for research groups was produced, printed and displayed within the posters section of TNC2013.

Team meeting

On June 4, members of the seven ELCIRA working groups had the opportunity to meet in order to share information about the activities and performed tasks.

The participants of this meeting were: Florencio Utreras, Gustavo García and Carlos González from RedCLARA; Diego Rincon, RENATA; Brook Schofield of TERENA, Leandro Guimarães, Alex Galhano and Antônio Carlos Fernandes Nunes, from RNP; Thomas Fryer, DANTE; Ajay Daryanani, RedIRIS and Tim Boundy, JANET.

During the meeting an update on the current development of each work package was made, and the importance of activating and strengthening the dissemination of the project was particularly remarked as a key factor for the project success.

Additionally, next steps were defined in a number of work packages, as the union of ELCIRA to the federation of Brazil (CAFe) and the need of finding communities to test the portal services.

Team meeting

Niels Hersoug, general Manager of DANTE and Florencio Utreras, RedCLARA's Executive Director
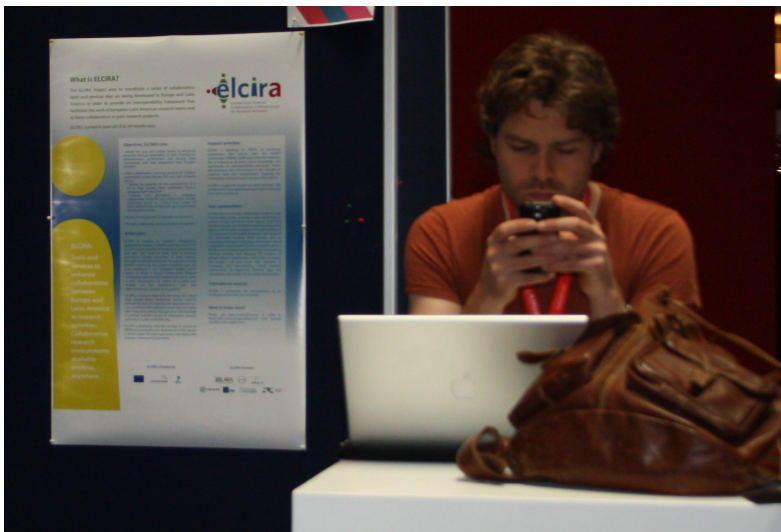

Signing of agreements

On June 5, during the TNC2013 evening coffee break, with the participation of DANTE and ELCIRA team members, it was carried out the signing of an UE-AL Videoconferencing Partenership Agreement by Florencio Utreras, Executive Director of RedCLARA and Niels Hersoug, General Manager of DANTE.

With this agreement, through the ELCIRA project, RedCLARA's SIVIC service and GÉANT's EduCONF, will collaborate on the promotion and integration of videoconferencing services between Europe and Latin America. Both sides agreed to make the best efforts to harmonize items such as certification programs, dialing methods, directories and support. This will contribute to improve the quality of videoconference services and will facilitate its use throughout the two regions, providing a common operating global schema.

The same day took place the signing of a Memorandum of Understanding between EduGAIN and ELCIRA to jointly promote the adoption of established standards in federated identity services for the use of both parties.

At the end of the Conference, on Thursday, June 6, Paola Arellano, Director of the National Network of Chile (REUNA), signed the eduGAIN declaration with which starts the process of the formal integration of COFRE Federation of REUNA with eduGAIN.

With this signature Chile becomes the second country in America, after Brazil, to establish relations with the eduGAIN service, developed in the framework of GÉANT to connect identity federations worldwide, simplifying access to content, services and resources for the education and research communitties worldwide.

ALICE2 Project officially concludes

In the framework of the Fourth Ministerial Conference on the Information Society in Latin America and the Caribbean, held in Montevideo, Uruguay, on April 3 to 5 was held the official closure of the Project Latin America Interconnected with Europe 2 ALICE2.

Tania Altamirano L.

The Deputy General Manager of RedCLARA, Carmen Gloria Labbé, gave a presentation related to the results of the project that began in December 2008 and which date of closure, scheduled for September 2012, was extended until January 2013.

According to the presentation of Labbé the project's achievements involved the quality of the new network and its low cost of operation, operational sustainability of RedCLARA, the interest of several other Research Networks on the RedCLARA Portal, the alliances built to continue the promotion of collaboration in Latin America and the awareness of Regional Organizations on the importance of Research Networks.

During the closing ceremony was also signed the Montevideo Declaration document in which the countries of the region reaffirmed their commitment to move towards the accomplishment of the goals expressed in the Action Plan on the Information Society and Knowledge of Latin America and the Caribbean, eLAC2015, were within its content it recognizes the work carried out by RedCLARA for the strengthening of the communication and the collaboration for the development of research, innovation and education in the region by stating:

"We, the representatives of the countries of Latin America and the Caribbean meeting in the city of Montevideo from 3 to 5 April 2013 at the fourth Ministerial Conference on the Information Society in Latin America and the Caribbean[...] we resolve to [...] recognize also the importance of the support provided by the European Commission to eLAC since its inception, foster the consolidation of achievements and the operation of successful regional organizations, including the Latin American Telecommunications Regulators Forum (REGULATEL) and RedCLARA, and invite the European Commission to continue cooperating

at the policy and strategic levels, given that emerging trends raise common challenges on which cooperation would benefit both regions."

To know more about the ALICE2 Project, we invite you to download and read "RedCLARA: Name, voice and instrument of collaboration in Latin America ALICE2, December 2008 – January 2013" a book which compiles the five years of work of the project.

The publication, launched in February 2013, has five chapters where the reader is invited to go through the Project's most important milestones and to learn about the views of the members of the CLARA-TEC Work Groups, representatives from Latin American National Research and Education Networks and the leaders of big networks in the region and the world about RedCLARA and regional and global collaboration.

Download the book here:

https://www.redclara.net/index.php?option=com_content&view=article&id=30&Itemid=398&lang=es

2013 FRIDA Grants

Frida

About the Program

The FRIDA Program provides financial support for projects in the form of "small grants." This means that each project is allocated a small sum, which allows their funding to be complemented by other sources; that these grants are not repayable (no money or interest must be paid back); that their allocation is decided through a competitive process in which a public invitation is made for the presentation of proposals, and these proposals are later evaluated and the best are awarded the grants.

The amount awarded to these projects will be up to US$ 15,000; the maximum term for their completion will be twelve months.

The proposals must:

• Originate from legally constituted non-profit organizations, either from the public or the private sectors (NGOs, Universities, Government Agencies, Research Institutes, etc);

• Be presented by organizations having their head office and main activities in Latin American or Caribbean countries.

The researches that will be selected must address one of the following topics:

• Efforts to enhance, expand, and promote Internet standards development

• Political, economic, and social effects of anti-piracy bills

• Implementing strategies for reliable and effective Internet infrastructure, human capacity and skills development

• Accelerate access and the societal benefits of the Internet in vulnerable and underserved communities.

Jury notification: October 30, 2013

If you have any questions or doubts, please don't hesitate to contact us at consultasubvenciones@lacnic.net

See the 2013 application process terms and stages rules at: http://programafrida.net/

GN3plus: Next Step for the European Research and Education Network

GÉANT

Over the last four years, GÉANT has delivered a strong portfolio of services and products to the research and education community in Europe and worked with Europe's global networking partners to extend the benefits of these services and products for the purpose of global collaboration. This phase – GN3- ran from 1st April 2009 to 31st March 2013.

Achievements to date include: a new terabit network providing 100Gbps bandwidth to 38 European Research and Education Networks; a portfolio of services to enhance user experience, increased geographical reach and improved industrial collaboration. In combination, these offer a world-class infrastructure, which is influencing global standards in networking.

GN3plus is the next phase in the lifecycle of GÉANT and takes the infrastructure one step further. With a two-year programme of concentrated effort on innovations and user needs, GN3plus is an ambitious expansion of GN3's successful output, with intensified focus and new developments.

GN3plus began on 1st April 2013. This latest iteration of the project will embrace many emerging technology and application areas, including cloud services, mobility, test-beds, and Federation-as-a-service.

By driving knowledge creation and innovation, GN3plus will position GÉANT as the global hub for research networking excellence tomorrow and beyond.

GN3plus aims to:

•   Deliver excellent networking services, at the highest levels of operational excellence, to research and education communities in Europe, building on the success of GN3.

•   Support the growth of R&E communities within Europe in both breadth and depth, and expose them to talent in other world regions, providing opportunities to meet across the divides of resources and distance, and in so doing transform the way research is done.

•   Innovate to meet the needs of the community, and act as a catalyst to translate this into a competitive European ICT sector.

•   Research, collect and share knowledge about network technologies and services through cooperation and community collaboration.

INNOVATIVE SERVICE PROVISION

GN3plus will deliver fast and efficient provisioning of advanced services. From developing operational support across management domains, to enhancing security, service integrity and the protection of network resources.

Complemented by the development of application services in a federated environment, these initiatives will include mobile and wireless

roaming, and supported Authentication and Authorisation Infrastructure (AAI) meta-service environments for individuals in the R&E community.

THE JOINT RESEARCH ACTIVITIES – DRIVING INNOVATION

The Joint Research Activities (known as "JRAs") will focus on investigating new technologies and service trends, which will influence the future development of networking services required by the global R&E community.

Research into service provisioning and management will give users enhanced control over the network and service stack. This will include very active participation in global interoperability and standardisation developments. For instance; Software-Defined Networking (SDN), virtualisation, Network-as-a-Service (NaaS) and Networking Standards Interface (NSI). These will contribute to international initiatives, such as the International Network Development and Deployment Initiative (iNDDI) and OpenNaaS.

GN3plus aims to spearhead technological innovation, developing new products and services through requirements-based R&D, with the Open Calls and Public Private Partnerships potentially presenting new opportunities to work with industry and academia.
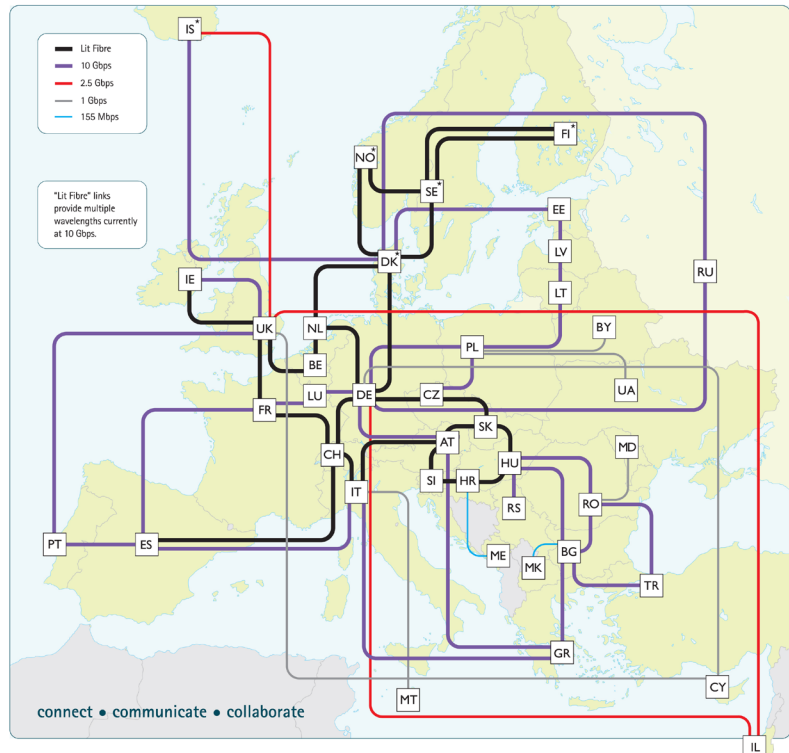
THE SERVICE ACTIVITIES – SUPPORTING USER NEEDS

In order to better support the users' needs, the project will build on the GÉANT "eco-system" through the development and delivery of a world-class networking service portfolio.

Through the Service Activities (known as "SAs"), the GÉANT portfolio will expand to

GÉANT the pan–European research and education network

Transforming the way users collaborate

Backbone topology as at March 2012. GÉANT is operated by DANTE on behalf of Europe's NRENs.

GÉANT is co-funded by the European Commission within its 7th R&D Framework Programme.

This document has been produced with the financial assistance of the European Union. The contents of this document are the sole responsibility of DANTE and can under no circumstances be regarded as reflecting the position of the European Union.

include new areas of value to the R&E community, encompassing flexible connectivity options and test-bed facilities across the network.

This will offer robust support and performance expertise; and advanced AAI, cloud and mobility services, to give end users, their projects and institutions secure access to the network, with the resources they need.

THE NETWORKING ACTIVITIES – EXTENDING OUTREACH AND FOSTERING PARTNERSHIPS

The Networking Activities (known within the project as "NAs") will provide management and targeted outreach support for all GN3plus activities, including internal and external communications, product marketing and business development initiatives. In the context of the global R&E networking community, GN3plus will support greater and more coordinated collaboration with GÉANT's partner networks outside Europe on the delivery and interoperability of services for the benefit of international user groups.

HELPING USERS CHANGE THE WORLD

Together with Europe's NRENs, GÉANT reaches over 50 million users in over 10,000 institutions across Europe, including universities, higher education institutes, research institutes, libraries, museums, and hospitals. The network also connects primary and secondary schools in many European countries.

In addition, via extensive global links, GÉANT reaches a further 66 countries beyond Europe.

Nearly all scientific disciplines are now generating an ever-increasing volume of data in their research. The 100Gbps GÉANT network - due for completion in June - will be vital to support this data deluge. Global scientific collaborations rely on new database and analysis tools and instruments, supporting every aspect of scientific research in physics, astronomy, biology and more.

COLLABORATION AT THE HEART OF GÉANT SUCCESS

Praised for its collaborative approach, the success of GÉANT so far is thanks to the close working relationships of its partners, and the teamwork within and between the Activities. GÉANT remains a complex and large project; with over 250 participants from 41 partners working in one of fourteen Activities. These cover 'Support

to Clouds', 'Network Architectures for Horizon 2020' and 'International & Business Development' amongst others. And, as part of a new Open Calls initiative, which will provide European Commission funding of €3.3 million for multi-domain network research and development activities, GÉANT will also be working more closely with industry.

Collaboration is the cornerstone of GÉANT, delivering high bandwidth and flexible, secure networking services to research communities across Europe - and increasingly beyond in collaboration with its Global R&E Networking Partners.

Conclusions of CUDI Spring Meeting 2013

This twenty-seventh semiannual meeting continued to consolidate the spirit of collaboration among the 257 institutions that are part of the CUDI community, with the participation of academics, researchers, technicians and authorities of the institutions that make up our community.

Martha Ávila, CUDI

This spring meeting was attended by over 450 people from 101 different educational and research institutions, and companies interested in fostering projects that make use of the National Network of Education and Research.

On first day morning, there was a meeting with the aim of spreading, among UAQ students, advances in technology within the National Research and Education Network. Likewise, in the afternoon, presentations were about advances in applications in Health, Engineering and Astronomy.

The event had three network workshops related to security aspects to consider with IPv6, routing by software for IPv4 and IPv6, and forensic analysis as the security issue.

In parallel, seven applications workshops were held: the continued development of geometric reasoning with Geogebra, creation of institutional repositories, measurement and analysis of attitudes toward science, design and evaluation of interactive systems, production of online learning objects: A connectionist strategy land system by the community of Earth Sciences and Cooperation Latin America – Europe in ICT.

Three workshops for children were carried out: "Engineering is Elementary", "We take the Universe to your School" and "Children's Lybrary", involving 80 children from three schools in Querétaro and 250 children in a distant way, located in two rooms in Chile and one room in Los Mochis, Sinaloa. The CUDI network was used to show a model that helps to approach science to children in a fun way.

In a UAQ special session, 10 projects of applications that this University is developing were shown, related to teacher training, innovation and educational management, use of interactive materials, software-defined networks, coeducation and video games, as well as production and design of instructional videos. This is a good example of how a university can take advantage of an advanced telecommunications network.

Master Jorge Preciado, Chariman of CUDI's Board, and the chairs of CUDI committees presented their progress reports of the advances during the past year. The CUDI community thanked for their significant contributions and enthusiastic participation.

Dr. Gilberto Herrera Ruiz, Rector of the

student training processes. He remarked that this will allow the creation of knowledge networks.

Dr. Lance Ford, CISCO, presented "Virtualizing the teacher", in which it was demonstrated that the collaboration using telepresence, whiteboards and digital tablets, and smart phones, among other devices, is now a reality. Without requirement of production and postproduction equipment. With a single click the class will be recorded in all formats in a repository that enables access, classification, and content rating. This extends the knowledge of teachers to more students, meaning virtual education with classroom impact.

The e-book "National Network for Research and Education. Union of visions and institutional linkage" by Marisol Ramírez (ITESM), Cecilia Castañeda (CUDI), Alfredo Sánchez (UDLAP), Elizabeth Velázquez (UANL) and Nancy Peré (Universidad de la República Uruguay), was introduced. This electronic document integrates 22 chapters developed by protagonists in the evolution of the Mexican NREN. We invite you to read it.

Dr. Humberto Marengo Mogollón, President of the Academia de Ingeniería de México (Academy of Engineering of Mexico), presented the objectives of this Academy, the current status of engineering education in Mexico and the opportunities to collaborate with CUDI, which culminated on an agreement to strengthen links between both institutions.

Engineers Diego Ulloa, Ricardo Martinezgarza and Francisco Cabrera, Coordinación de la Sociedad de la Información y el Conocimiento CSIC-SCT (Coordination of Information Society and Knowledge CSIC-SCT) and Hans Reyes, CUDI, presented the progress of the project of 40 high-capacity transfer data networks, to interconnect NIBA Network to 1139 big centers of education, research, healthcare and government. The experts told that links with dedicated symmetrical bandwidth of among 100 Mbps and 10 Gbps will be used. It was remarked that it is of high importance

Universidad Autónoma de Querétaro, introduced the importance of the National Research and Education Network for UAQ. He highlighted the evolution that UAQ have taken to get to the important position of excellence of its academic programs. He mentioned the current challenges to design and operate complex telecommunication systems and actively participate in the NREN and insert the use of technology in research and

that the sites to be connected must to meet the technical requirements established. There will be a model for enabling interconnection tests in order to prove the technological model. Through CUDI's NOC institutions receiving this connection will receive support. It was recalled that this 5-years contracted network, will have no cost for connected institutions. The session concluded with an extensive question and answer session in which CUDI community members clarified their doubts on this important project.

As in past events, there were simultaneous sessions in which experts focused on issues related with the NREN. 76 presentations in 14 tables were given, they related to the advances in networks and applications.

CUDI community thanks the Universidad Autónoma de Querétaro significant support for this event in Rector, Dr. Gilberto Herrera Ruiz, Dr. Teresa Guzmán, and the talented staff of young enthusiasts who collaborated to support speakers, registration, connectivity, video conferencing and recording of the presentations.

All the event sessions were broadcasted by the NREN and through conventional Internet streaming video. We also thank the UNAM staff for the excellent work in the videoconferences coordination.

We thank CISCO and Hewlett Packard, who supported us with their sponsorship, and we highlight the important support of Skyfiber which provided the optical link that connected the host hotel to UAQ.

The presentations and the list of participants are available for downloading in CUDI's website. Over the next week, presentations will be available in CUDI video library. We would appreciate spreading these materials among your institutions' communities.

In the same way, in order to enrich the development of future meetings, we will appreciate you to answer the survey, on CUDI site, for comments and suggestions.

We invite you to reserve your agendas for attending CUDI Autumn 2013 meeting, to be held next October from 23 to 25 in the city of Campeche, Campeche, with the support of the Universidad Autónoma of that entity.

Thank you very much to all.

Agenda 2013

JULY

2-5 | QUESTnet 2013
  Gold Coast, Australia
  https://www.questnet.edu.au/display/qn2013/Home

8-9 | Third Conference of Information and Communication
Technologies Directors from higher education institutions
  Cartagena de Indias, Colombia
  http://tical_2013.redclara.net/es/index.html

17-18 | Network Issues for Life Sciences Research
  Berkeley, United States of America
  http://events.internet2.edu/2013/ftw-life-sciences/

AUGUST

July 28 – August 2 | 87th IETF Meeting
  Berlin, Germany
  http://www.ietf.org/meeting/upcoming.html

19-23 | 36th APAN Meeting
  Daejeon, Korea
  http://www.apan.net/meetings/Daejeon2013/

SEPTEMBER

3-5 | AfPIF 2013 The Africa Peering and Interconnection
Forum
  Casablanca, Morocco
  http://www.internetsociety.org/events/afpif

18-20 | Digital Enlightenment Forum 2013: Personal data
and citizenship in the digital society
  Brussels, Belgium
  http://ec.europa.eu/digital-agenda/en/news/digital-
  enlightenment-forum-2013

26-28 | 12th RoEduNet Conference
  Constanta, Romania
  https://conference.roedu.net/index.php/
  roedunetconf/2013

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