

DECLARA

Bulletin

Year 11



What will TICAL2015

bring?

Open calls

Invited speakers

Five questions to...

what do the Conference
assistants think about it?

Interviews:

Paola Arellano, Executive
Director of REUNA.

Javier Martínez, Executive
Director of InnovaRed.

Eduardo Grizendi, Director
of Engineering and
Networks of RNP

Colaboratorio: Our
collaboration portal

FRIDA will award five
initiatives in Latin America
and the Caribbean for their
contribution to the region

n° **41**

March 2015



RedCLARA:

A clear path for your data

We empower your research and developments

RedCLARA interconnects the national advanced networks in Latin America and connects them with all the networks in the world, giving Latin-American scientists, academics and researchers an infrastructure that allows them to effectively collaborate with the global scientific community..

Edition
María José López Pourailly

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Antonio Silva Sprock

Coordinator of the Latin American
Community of Learning Objects
(LACLO)

Coordinator of the Center for Research
on Information Systems of the Central
University of Venezuela

Professor / Researcher at the Central
University of Venezuela

The networks and research communities represent the fundamental way of thinking about research today. In this sense, RedCLARA allocated great efforts to consolidate research communities and in the Latin American Community of Learning Objects (LACLO) we were witnesses of it: we received a fundamental support on the way to our consolidation as a researchers network.

Since 2006, LACLO has organized nine conferences, getting participants from all over Latin America and offering lectures of guests with highly recognized trajectories. Our community currently includes more than 600 researchers of the region and we also have alliances with major research groups from Argentina, Brazil, Chile, Colombia, Ecuador, Mexico, Peru, Uruguay and Venezuela. These groups are in constant interaction through the collaborative environments created by RedCLARA, which were fundamental in the dissemination of news, publications, events and in the meetings through the VC Espresso platform.

This interaction was used to design and develop various multilateral projects, funded by agencies such as the Department of Education of the Republic of the Mexican United States, the Mercosur and the European Community, the latter through the ALFA II and ALFA III programs. Among the ALFA projects, we have finished in December

of 2014 the LATIn project (Latin American Open Textbook Initiative), which objective was to generate an initiative for the collaborative development of open university books, designed by and for Latin America (<http://latinproject.org/>).

For this, LATIn developed a socialization platform (<http://comunidad.proyectolatin.org/>), in which the teachers who are interested in the collaborative redaction of books can interact with their colleagues and plan the writing work; another platform for the redaction itself (<http://escritura.proyectolatin.org/>), and a third platform for the publication and dissemination of the written books (<http://www.proyectolatin.org/index.php/es/biblioteca>). All the developed educational materials have Creative Commons licenses, in order to allow other teachers to modify and adapt them to their courses, translate them or distribute them according to their needs.

In this context, RedCLARA, supporting the dissemination of results, as well as the visibility of LACLO activities, organized the Week of Open Books, held between the 1st and the 5th of December, 2014, where the results and achievements of the LATIn project were presented.

Finally, I would like to invite to our X Annual Conference, to be held in the city of Maceió, Brazil, together with the IV Brazilian Congress of Computers in Education (CBIE 2015), that will

be called CBIE&LACLO 2015 (http://www.ic.ufal.br/evento/cbie_laclo2015/). We hope to offer a great event to all.



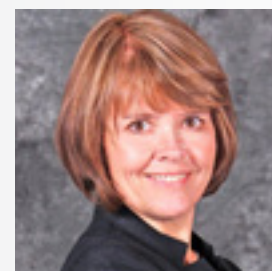
What will TICAL2015 bring?

When there still rest three months for the fifth TICAL Conference –the only event that brings together leaders of Information and Communications Technologies and in Latin America- that is going to be held in the city of Viña del Mar (Chile) between July 6 and 8, its organization introduces the five international panelists who will share their experiences within the plenary sessions.

With discount prices for those who register by May 31, and three calls -for authors to submit papers, for young entrepreneurs and for interinstitutional projects- open until April 15, TICAL2015 promises to surpass its previous editions.

María José López Pourailly

Colombia, Germany, Mexico, Portugal and the United States are the countries from which the five ICT specialists that will give content, life and action to the plenary presentations of TICAL2015 come. Meet them!



Susan Grajek

Vice-presidente de Dados, Pesquisa e Análise em EDUCAUSE

United States of America

Thematic line that will develop in TICAL2015: About the Top 10 Research on Higher Education Information Tecnology. Issues and Strategic Technologies.

Susan Grajek is EDUCAUSE's vice president for data, research, and analytics. She also has programmatic responsibility for EDUCAUSE cybersecurity, GRC (governance, risk and compliance) and administrative IT programs.

Before joining EDUCAUSE, she spent over 25 years at Yale University. She served as deputy relationship manager in Yale's Information Technology Services (ITS) division. In that role, she oversaw ITS strategy, planning, relationship management, and project execution for the university's academic administration and general counsel.



Andrés Holguín Coral

Coordinator of Technological Research, Innovation and Information Security University of the Andes

Colombia

Thematic line that will develop in TICAL2015: Great challenges: Data Privacy and Information Security at the University.

Since 2006 Andrés Holguín is the coordinator of Technological Research, Innovation and Information Security at the Directorate of Services of Information and Technology (DSIT) of the University of the Andes, in Colombia, where he works since 2002. In this position, he is responsible for the Information Security. He is also responsible for advanced computing services for research and innovation.

Holguín is a Systems and Computing Engineer at the University of the Andes and has certifications in Information Security of ISCA CISM and SANS GCED.



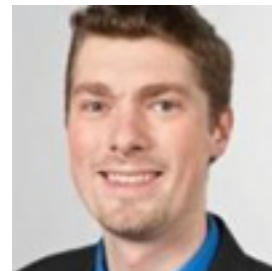
MSc. Manuel Moreno Castañeda
Rector of the Virtual University System

University of Guadalajara
Mexico

Thematic Line to develop in TICAL2015: ICT revolutionizing teaching.

The MSc. Manuel Moreno Castañeda is Rector of the Virtual University System of the University of Guadalajara - which he also founded -, and Professor of History at the University of Guadalajara (Mexico). From 1964 to 1975 he was professor at all teaching levels and teacher trainer.

From the 90s to date, he is especially dedicated to research and teaching in distance education, advising projects of Mexico and of other countries; he has also been in charge of the organization of 17 international meetings of distance education.



Johann Pongratz
Senior Vice President for IT-Systems and Services - Chief Information Officer (CIO)

Technical University of München (TUM)
Germany

Thematic Line to develop in TICAL2015: Technological innovation according to university / Security Information Strategy at the University

In addition to the general optimization of the TUM IT infrastructure, one of the main responsibilities of Hans Pongratz as CIO is overseeing various activities related to IT for teachers and students. The CIO is chair of the CIO Information Officer Committee at TUM, which drives the implementation of concepts designed to optimize the TUM information and communications infrastructure.

In 2004 Hans Pongratz got its Diploma in computer sciences (major) and economics (minor) at the Technical University of München. Since 2005 he has been scientific assistant in the same University, he worked in the Project electTUM (Integrated E-Learning at TUM, s. www.tum.de/electum - 2005/2007), in project management of the large-scale project IntegraTUM (building and design of a universal IT infrastructure at TUM www.tum.de/integratum - 2007/2009).



Eloy Rodrigues
Director of Documentation Services

University of Minho
Portugal

Thematic Line to develop in TICAL2015: A governance framework for data and processes managing.

Eloy Rodrigues is Director of Documentation Services of the University of Minho, the focus of his work has been the development of digital libraries, the training of librarians and library users, and the promotion of the open access to scientific literature through the institutional repositories. He is the author of more than three dozen of articles, books and book chapters on these matters.

In 2003, he led the creation of the RepositoriUM - the institutional repository of the University of Minho, directing the service ever since. In the late 2004, he contributed to the definition of the policy of free access of the University to its scientific production.

Join the calls

In order to ensure the presentation of the papers that will be selected in the different calls of TICAL2015, the author of each one (or one of them, in case of collective works) will receive a round trip flight ticket to Chile, to attend the Conference. All these calls will close in April 15 at 24:00 GMT.

Authors: the submitting papers must refer to one of the seven thematic axis defined by the Programme Committee of the Conference (<http://tical2015.redclara.net/index.php/en/2014-11-07-17-48-02/ejes-tematicos-tical2015>), and must be structured as it is defined in the Authors Guide (published at: <http://tical2015.redclara.net/index.php/en/2014-11-07-17-48-02/ejes-tematicos-tical2015/guia-para-autores>).

It is expected that the papers presented in each thematic area are centered on ICT and on how its use or incorporation helps to solve the problems that the region's universities are facing. In the selection of the papers, some concepts are particularly privileged. They are:

- Experiences: the submitted works must have a strong focus on experiences, since TICAL is a Conference for sharing this kind of matters. There is no interest in scientific or merely academic papers.
- Projects or services: TICAL seeks papers that describe executed projects or implemented services, not just ideas or proposals that have not yet left the drawing board.

• Focus on ICT: TICAL gathers those responsible for ICT in Latin American universities. Hence, the Conference is looking for papers with focus in this area.

• Impact on university strategy: It's considered a very significant value the description, in case that is its approach, of the impact of a technology solution on the strategy of the university.

• Classification by thematic area: Authors should indicate the main axis on which are presenting their work. Is possible to choose a secondary axis in the case that the job includes more than one.

All the information about the Call for Authors is published at: <http://tical2015.redclara.net/index.php/en/noticias-y-eventos/destacados/3142-tical2015-the-call-for-papers-is-now-open>.

Young Entrepreneurs: For this activity, young undergraduate or graduate students and/or researchers who represent their institution and the national academic network member of RedCLARA which they are part is convened (see national networks here: <http://www.redclara.net/index.php/en/we-are/miembros/asociados-plenos>). The selection in each country, will be the responsibility of its academic network, and will only consider the applications received.

The young entrepreneurs session aims to support the innovation process, particularly that which refers to the last stage, when the new development must be tuned to be incorporated into the market. Thus, this session constitutes both an exhibition space for participating companies with recognized experience in the ICT market and for the concurrence of TICAL2015.

Those selected will then be able to receive feedback from various perspectives and specifically those elements required for the insertion of new developments in the market.

Look after the rules for Young Entrepreneurs call here: <http://tical2015.redclara.net/index.php/en/noticias-y-eventos/destacados/3145-tical2015-llamado-a-postulacion-para-jovenes-emprendedores>

Interinstitutional collaboration projects: The collaborative projects searched by the TICAL Community should convene the members of the higher education institutions in the region to actively participate in them. In addition, it should address some of the themes included within the thematic axes of TICAL2015 Conference.

Check out all the information of this call at: <http://tical2015.redclara.net/index.php/en/noticias-y-eventos/destacados/3148-tical2015-busca-proyectos-de-colaboracion-interinstitucional-para-ser-presentados-en-sesion-de-comunidad-tical>



Get all the information about TICAL2015:

TICAL2015 web site
<http://tical2015.redclara.net/>

TICAL2015 Facebook
<https://www.facebook.com/pages/TICAL/1569394983295180>

TICAL2015 Twitter
<https://twitter.com/TICAL2015>

TICAL2015 Youtube
<https://www.youtube.com/channel/UCnCbLVp-FDEU7M-fWafH64g>

Registration: Remember that only until May 31 you can subscribe to TICAL2015 with promotional prices (payment can be made via PayPal and VISA). Register today: <http://tical2015.redclara.net/index.php/en/2014-11-07-17-49-57>.



Five questions to...

Why do those who participate in TICAL's Conference do it? What have they earned with that? These are some of the questions that those who work in TICAL's preparation are used to receive. That is why RedCLARA opened in its website a series of interviews entitled as "Five questions to..." where we ask these issues to those who have been part of the Conference in its past editions, and they clearly explain the importance that they give to this annual meeting.

María José López Pourailly & Luiz Alberto Rasseli

Mauro Cesar Bernardes: "TICAL offers a unique opportunity for the ICT professionals in Latin America for the extension of their professional network"

Hello, Mauro! Tell us about you and your formation.

Hello! I am a systems analyst at the University of São Paulo (USP) since 2001, where during the last 10 years I do coordinate a technology division. At USP, I'm also working as an invited professor at the Institute of Mathematics and Statistics and at the Sustainability Laboratory, of the Polytechnic School. My formation is in computing: I'm graduated in Computing Science, have master's and doctorate also in Computing Science at USP and a graduate degree in Management informatics.

Which was your first contact with the advanced networks and how do you evaluate its development since then?

In Brazil, I had my first contact with RNP when I started my activities as a Systems Analyst in the campus São Paulo of USP, in 2001, and was able to participate in a Workshop (WRNP) that occurred in conjunction with the 19th Brazilian Symposium of Networks. At that time, I could follow the presentation of a series of works, I was delighted with the proposal of integration and collaboration supported by the information and communication technologies for the generation of knowledge and excellence in education and research in Brazil. Then, I realized the huge engagement of a large group of experts in the promotion and in the technological development to support the research of information and communication technologies, the creation of innovative services and projects and also the training of professionals in Brazilian public institutions.



As a result, I noticed a marked improvement over the feasibility and the facilitation of the collaborative research through the research network applications, which allows the realization of projects not only in technology, but also in education, health and culture. My first contact with RedCLARA was only in 2013, when I received the invitation to expose at TICAL2013. At that time, I was surprised by the quality of the event, the commitment of those who were involved and the opportunities that were presented to the professionals from universities in Latin America who participated in the event. Talking to colleagues from other universities in our continent, I was able to see the specifics of each, but mostly, the common points that were boosted through cooperation projects and through the exchange of experiences with the support of RedCLARA.

In this context, what is the importance of TICAL for the growth of the networks and professionals in the field of ICT?

More than it always presents an innovative and informative program, TICAL offers a unique opportunity for the ICT professionals in Latin America for the extension of their professional network as well as numerous opportunities for learning, thinking and exchanging experiences with other colleagues in our continent. In addition, I noted in the last year the presence of professionals from other continents, what expands even more our possibilities. After participating in other major world conferences in ICT, I realized the need for a conference where we could discuss the specific challenges of the academy and research in Latin America. It was a pleasant surprise to realize that TICAL is fulfilling this role.

You have been part of the Program Committee, were a speaker and also presented many papers in TICAL. What lessons did you get of these different experiences?

As a result of my participation, I learned that we have a lot of diversity in our continent; we have many points in common, a lot of isolated competence and, above all, creativity for solutions

Nadja Starocelsky: "TICAL is the perfect opportunity to develop this cooperation!"

Hello, Nadja! Tell us a little about yourself and your training.

Hi! I am a Civil Engineer in the Austral University of Chile, from those times when these careers were recently incorporated into the academic offerings of Chilean universities. Between 2010 and 2012 I did a Masters in Information Technology.

Since 1990 I've been professionally working, starting this road in Telco companies. In 1995 I joined the Austral University of Chile as Head of Development Projects, aiming to modernize the Corporate Information Systems. After 15 years of developing different tasks as project leader and having implemented various systems at the University, I started working as Director of Information Technology.

Which was your first contact with the advanced networks and how do you evaluate its development since then?

I would say that around 2007 I had the first contacts with the advanced networks, when the Austral University of Chile implemented several Videoconferencing systems as a means of eliminating boundaries with other universities. But it was in 2010, when I started as Director of Information Technology, and in 2012, when I was appointed as the institutional representative to REUNA, when I really knew the true potential of the advanced networks. Universities that are attached to these networks have great advantages for collaboration between institutions both in the field of teaching and research, sharing knowledge, data, applications, among others.

that can be shared for a more equitable development. I've found that the advanced networks have significantly contributed to a greater synergy between the Latin-American institutions and consequently expanded the opportunities for relevant innovative propositions.

Personally and professionally, what are your expectations for TICAL2015? And why Brazilians should attend the event this year?

My greatest expectation is that TICAL repeats the success of the previous years and that I can rediscover the friends I made in this event. I have no doubt that the current committee is eagerly dedicated to not only maintain the level of the past editions, but to exceed all expectations in the edition 2015. As I said, TICAL offers a unique opportunity for professionals from Latin America and we, Brazilians, are living a moment that promotes international cooperation and requires more interaction with our fellows of Latin America. We have much to share and, above all, to learn in community.



In this context, what is the importance of TICAL for the growth of the networks and professionals in the field of ICT?

TICAL is a unique experience that allows professionals in the areas of IT in Latin America to share their experiences, build partnerships and establish or expand their networks; where issues associated with IT in teaching, research and liaison issues are widely discussed. In addition, TICAL is a space that allows us to recognize the potential of advanced networks for teaching and research.

You participated in the last two editions of TICAL, and in the last one in Cancún you were member of the Program Committee and author of a paper. What lessons did you get of these different experiences?

I have always considered that sharing work experiences among similar institutions generate important savings in terms of time and costs to organizations. When I knew about TICAL as a way of contributing to issues that involve the role and work of the Directors of Information Technology in Latin America, I could not pass up the opportunity to attend or participate in it.

TICAL has allowed me to validate the fact that demands of IT in universities in the region are similar and therefore the Directors of Information Technology are confronted with similar problems. It gave me the opportunity to learn about experiences and innovative initiatives in other institutions, and forming links and networks with other directors and also to get proposals for universities from different vendors.

Personally and professionally, what are your expectations for TICAL2015? And why Chileans should attend the event this year?

I hope TICAL2015 exceeds the success of previous versions, a space where we –the ICT Directors- meet presentations of innovative initiatives and spaces to share enriching experiences. I have no doubt that my expectations will be amply met in this release.

In Chile there are a variety of initiatives in Information Technology that can be shared with our peers and TICAL is the perfect opportunity to develop this cooperation!, especially considering that this year the distance should not be a variable that limits us to participate .

Ernesto Chinkes: “TICAL is an unforgettable moment”

Hello, Ernesto! Tell us a little about yourself and about your professional background.

Hello! I am Ernesto Chinkes, licensed in Information Systems of the Organizations at the University of Buenos Aires. Currently, in this career, I am an associate professor in charge of two cathedra (Data System and Business Intelligence), I've been continuously exerting university teaching for the last 20 years. In this context, I also worked in research and published three books. Professionally, for more than 25 years I've been working in Consulting and in Direction of Projects and of IT areas. In 2000 I had the opportunity to start driving ICT projects within the University of Buenos Aires and in 2009 it was created the General Coordination of Information and Communications Technology, for which I'm responsible until today.

What was your first contact with the advanced networks and how do you evaluate its development since then?

It was in 2002 that I first heard about these networks, but I got to know them better only in 2010, when I started to have direct contact with InnoVaRed (the administrator of the Argentine Advanced Network) to evaluate the bandwidth that my university needed to hire. In the next year I participated in TICAL2011 and it was there that I really approached the network at the regional level and I took note of the progress in its development. From that moment, my impression is that the Argentine network is growing significantly, not only by the increase in bandwidth and in scope, but also because of the different strategies that encourage its use. It is currently a network with a great potential and we must have the intelligence to use it and strengthen the academic and research strategies. The advanced networks can offer to the various parts of the university community (researchers, teachers,



students, etc.) collaborative possibilities without geographical boundaries, besides the sharing and the exploitation of large volumes of data, access to tools and other opportunities that enhance the possibilities and capabilities that already exist in the institutions.

In this context, what is the importance of TICAL for the development of the networks and of the professionals in the field of ICT?

The Conference generated and occupied a space that, in my opinion, plays an extremely significant role to realize the full potential that the networks have to offer to the academic and scientific world. In this context, we, who are responsible for the ICT in higher education institutions in the region, have the opportunity to know which experiences are being carried out by other universities in this field, and, therefore, also in relation to the advanced networks. TICAL also allows us to relate to our partners, enabling joint projects, as well as establishing contact networks that are a substantial support to work on many of these initiatives.

You are part of the Program Committee for the fourth time and, for the third time, its president. Your participation in TICAL is very active and relevant. What lessons did you get in the different experiences?

When I hear this question it comes to my mind a multitude of lived moments that contributed to my professional and personal growth. That is why this question is not only working on my memory but also in a set of sensations inside me. TICAL is an unforgettable moment and I was fortunate to participate in its growth and evolution. However, I could say that all editions had to me the same common denominator: after TICAL, the professional that returned to Argentina was a different one. Someone with more ideas and projects, someone who felt part of a community with common problems and challenges, someone who grew up after sharing different cultures and realities, someone motivated and enthusiastic ... well, someone better.

Having participated in the four previous editions allows me to have, today, a lot of friends and colleagues distributed in the different institutions in Latin America. People with whom I know I can count. On the other hand, I also own a "reservoir" of experiences and projects which can use when needed.

Personally and professionally, what are your expectations for TICAL2015? And why the Argentines should participate?

My expectations are very high! TICAL has the virtue of evolving year after year and that is why I am convinced that the 2015 edition, in Viña del Mar, will exceed the previous edition. I know this means reaching a very high standard, but TICAL is a collective construction that has been consolidated and now has a whole community committed in supporting the initiative, where all those who will add themselves in the future will contribute to empower it even more. So far, I hope we receive a large number of papers for the three open calls, that ends in April. This year we have also incorporated a new call to promote collaborative projects between institutions. In TICAL, the main actors are the participants and that is why these papers are the main fuel for the success of the event. I also expect a large number of participants for what it can bring in relation to the representation of countries and professional wealth. Finally, I hope that once again we have the support of industry-leading companies and that we maintain the high level of lectures given by guest speakers.

Carlos Alberto Cortés López: “Each edition of TICAL was special to me”

Hello, Carlos. Tell us a little about you and your formation.

Hello! I am Carlos Alberto Cortés López, Systems Engineer, specialized in data networks, Internal Auditor of ISO 27000, among others things. Currently I work as the systems chief of the Technological of Antioquia, in Colombia, with about 12,000 students and presence in 48 municipalities of the department. My main role is to propose investments to strength the institutional work through the use of new technologies for the institution to acquire academic and administrative leadership. I am also a teacher and have been for over 12 years.

What was your first contact with the advanced networks and how do you evaluate its development since then?

Since the people started to talk about RENATA in Colombia, I had the opportunity to participate in socialization events and some projects in which the network contributed with resources and training. I also had the opportunity to lead this implementation at two universities of Medellín, where we helped teachers to work with their academic partners in better conditions. Today, the problem is no longer technical. This was solved. The challenge, then, is to get more teachers and researchers to use the network.



In a context like this, what is the importance of TICAL for the development of the networks and the professionals in the field of ICT?

The institutions are constantly changing and its change requires us to move forward as well. If we do not, we're finished. In this dynamic, strategic technology plans are fundamental and, to build them, we need experience and knowledge, which are both acquired in TICAL. There, the experiences of other institutions enrich us and save our time and money. Hear about their examples help us to avoid some mistakes and to copy their successes. In TICAL, we share our struggles, achievements, observations and recommendations, and share these things is very important. For me TICAL has been fundamental, because I implemented many projects thanks to the experiences of other institutions.

You participated in all the editions of TICAL. What lessons did you take from each one of them?

Each edition of TICAL was special to me. In each of them I could structure projects that were soon included in the strategic plan of

Technologies. I could also share experiences of my projects with colleagues from Ecuador and Peru and soon after TICAL we got in touch with each other. Definitely TICAL is a great learning place for my professional and personal life.

Personally and professionally, what are your expectations for TICAL2015, to be held in Chile?

Continue to grow personally and professionally and keep meeting talented and simple people who are willing to share their knowledge and experiences. Moreover, with everything I learn there, take to the institution in which I work a lot of ideas and work plans that help to transform the technology investments into benefits, in order to help the institutional growth and the acquisition of academic and administrative leadership.



Gabriela Bucceri: "TICAL has given me a great professional, academic and personal enrichment"

Hello, Gabriela. Tell us a little about you and your formation.

Hi, I am a graduate of the University of Buenos Aires with a Bachelor degree in Information Systems Organizations and in Business Administration. I worked in different universities both public and private, always related to computer science and education areas. Currently, I lead projects development and implementation of Academic Systems of Educational Technology, in support of Research and Information Services in the General Coordination of Information Technologies and Communications, under the Rector and Superior Council of the University of Buenos Aires.

What was your first contact with the advanced networks and how do you evaluate its development since then?

My first contact with advanced networks was about 15 years ago when, with great effort, it was recently coming to Argentina and was very expensive for universities to acquire the links. From then until now, I believe that its development has grown exponentially, both in the possibilities that technology and links currently provide, and in the advantages that they offer for academic and research institutions, enabling them to integrate communities to share information among peers, access and share large databases, communicate and coordinate work easily between teachers and researchers from different geographical locations, as if they were in the same place, among other features that encourage collaborative spirit based teaching and research.

In a context like this, what is the importance of TICAL for the development of the networks and the professionals in the field of ICT?

Precisely in a context like this, TICAL helps us to know and be part of the networks as a way to taking the institutions in where we work to make better and more intense use of them and of technology in general. ICT professionals who work in educational institutions, faced numerous and similar problems and challenges both in our daily operations and in the strategic definitions that we are compelled to give in order to accompany institutional objectives. It is very valuable to have a scenario such as TICAL where we can share experiences and learn about other people, interacting with peers and knowing solutions given to each subject by other institutions. Also, it is a propitious environment to meet market trends and new developments in the services and technology providers field.

You participated in several TICAL editions and you have presented your work twice. What lessons did you take from these different experiences?

Yes, I participated in 2013 and 2014 as an author. Both editions have left me countless lessons from which I can include:

The importance of being updated to be able to provide solutions to in force technological demands in education and research matters. We usually have reactive solutions to those problems that we face or to the requests made by our teachers and researchers, TICAL taught me and helped me to have a much more proactive attitude in technology applied to education and research, I was able to observe experiences and to learn certain subjects before they were submitted to me as a necessity. I feel that I am now better prepared to advise and encourage greater use of advanced networks and to better accompany the institution following the technological trends.

How positive is to share experiences, many of us who work in this area are facing similar problems and I feel TICAL allowed me to contribute with something interesting through my presentations. I felt very honored by my colleagues and program authorities.

In general I have learned from my peers, from the lecturers and from the experiences of other universities, both Latin American and European. TICAL has given me a great professional, academic and personal enrichment.

Personally and professionally, what are your expectations for TICAL2015, to be held in Chile?

Personally, the whole atmosphere of TICAL has been impeccable, in the way that the staff relates with the audience, in the contention they give, in overall attendance, and also social and cultural activities organized around the event, are very enriching and fun .

Professionally, I hope it stays on the same line that so far has had, I hope to continue learning and sharing experiences, meeting people, forming networks, integrating communities, but I know that this year will not be the same, TICAL always improve, always surprises you. Argentina, Latin America, Europe: You cannot miss it!





The Chilean National University Network (REUNA), in partnership with EDUTIC, will host TICAL2015. A reference among the Latin American academic networks and one of the oldest among them, REUNA in recent years has demonstrated that has reached its maturity and that is ready to face all the necessary challenges in order to ensure the development of Science, Education, Innovation and collaborative research in Chile. We talked about this moment and also about her expectations about TICAL2015 with Paola Arellano, Executive Director of REUNA.

María José López Pourailly

Paola Arellano:

“TICAL unites conversations, needs and interests of a region that enriches itself through its diversity”

Since the first edition of TICAL, in 2011, in Panama City, to the last, held in Cancún, in 2014, 59 Chileans have attended the conference, three presented their papers in the position of authors and one was a member of the Program Committee. In 2015, being the Chileans the "owners of the house," two Directors of Information Technologies from two different Chilean universities are members of this Committee. Looking at these numbers and considering the experience of REUNA in the different editions of TICAL, why did you decide to host the Conference this year?

From the point of view of ICT management, the universities are very complex systems, not only because of the cases it should uphold, but also in the complexity of its members: students that are highly demanding, for example of mobile technologies; researchers who require complex storage, processing, and modeling systems, among others; and authorities that need to count on reliable, relevant and timely information to take important decisions for their institutions sake. The ICT today are not a "stone guest" in the university management, but are essential to support the development plan or the strategic plan outlined for the university. Therefore, gaining spaces that allow the discussion of these issues, its implementation, successes and failures, projections and trends, is essential. Chile can't and should not be missing these forums, and that's why REUNA wanted to be the host of TICAL.

REUNA will host TICAL2015 alongside with EDUTIC. How and why this alliance was established?

The link between EDUTIC and REUNA comes from a few years ago, when the corporation was invited to participate in the EDUTIC2012 seminar. Now we are working together again, because in the Chilean academic network we are convinced about the importance of inviting the entire national university

system to participate in TICAL2015 and promote the collaboration with its international peers.

In your opinion, what is the real importance of the TICAL Conference on the Latin American context?

The countries of our region share many interests and certainly we'll have many opportunities if we start to articulate and work together. With only four years of existence, TICAL became an important space, taking care of a latent need of the IT directors of the universities, that is to have spaces where they can discuss about industry issues with their peers, with technology providers, with researchers and with the authorities; I mean, a space to look at the system in all its complexity and richness, and compare themselves, to lean and advance in the search for joint solutions. Undoubtedly, TICAL unites conversations, needs and interests of a region that enriches itself through its diversity.

REUNA is in a rapidly growing stage, reaching a remarkable position at local and regional level. In your opinion, what are the bases of this growth?

The growth is based on building a joint initiative with our partners. The management of our recent years was focused on the strengthening of the REUNA bases, that is, on our relationship with partners, alliances and community. It implies the construction of a long-term project, which is based on trust, respect, collaboration and quality. We understood that REUNA is not a group of people working in an office on a street of Santiago, but that is an institution that goes from Arica to Osorno, with presence in 12 of the 15 regions of the country, made up of 30 institutions. We want to reach all the regions and that every institution that works with higher education and research in Chile become part of this collaborative network. This drives us to be in constant change and constant improvement. It is not easy and we still have a long way to go.

How important is for you the collaboration among researchers and the different academic networks in the region and in the world? How do you evaluate the national and international collaboration experience of REUNA?

Collaboration is an indispensable tool for doing science and education today. The image of the researcher alone in the lab with his/hers tools is in the past. Today, the knowledge exchange, the interdisciplinarity and the sharing of resources are part of the researchers daily life. The same happens to the academic networks that were born under the concept of collaboration. Since its inception, REUNA boosted, led or participated in projects that gather the national or international community under one goal. An important part of our digital infrastructure was made possible thanks to the collaboration with several institutions.

Which are the main challenges of REUNA for 2015 and for the next two years?

After 20 years, this corporation has reached the maturity that needs to go for greater goals, being the most transcendent of them the task of implement and make available to the entire higher education system of the country an advanced digital platform with scientific and academic purposes. As it is stated in our Strategic Plan 2014-2017, REUNA will focus its efforts on strengthening the collaboration with researchers, teachers and students through the interdisciplinary work, on projects that leverage the creativity with innovative solutions in order to allow the social, cultural and economic development of people.

Finally, what would you say to the ICT Directors of the Chilean education and research institutions in order to invite them to participate in the TICAL2015?

I recommend you go. Do not lose it! This conference is a great opportunity for the ICT communities of the higher education Chilean institutions to exchange experiences with their peers in the region, know proposals and ICT solutions that will help to improve the management of their Universities. From another point of view, TICAL2015 is also an interesting showcase for the Chilean experiences in ICT; they could be applied in other regions of the continent.

Eduardo Grizendi:

“We are preparing ourselves to bring a record number of Brazilians to the 2015 edition of TICAL”

The Director of the Directorate of Engineering and Operations of the Brazilian academic network, RNP, Eduardo Grizendi spoke with DeCLARA about the challenges faced by the “verde-amarela” network in recent years, the future challenges and, of course, his vision of the TICAL Conference.

Luiz Alberto Rasseli

How the integration of RNP with other Latin American networks is helping the growth of the Brazilian network? Can you give us an example?

One thing leads to another. Several actions of RedCLARA, including the ALICE2 and ELCIRA, leveraged our infrastructure and our services to meet demands in communication and collaboration in order to attend our internal institutions and also outside Brazil, the other Latin American networks.

The existing direct connection with RedCLARA, for example, enables Brazilian researchers and students to have more capacity to collaborate internationally, enriching their studies and projects. In addition, the collaboration with the Latin American networks provides a greater exchange of experiences and opportunities to work together, because addresses more easily the problems that are more common among us.

The BELLA Project should be even more structuring for all our Latin American networks, bringing greater balance to our communication and external collaboration, connecting us directly to Europe.

Recently, through a collaboration agreement, we transferred the model and the methodology of our Superior School of Networks, training arm of RNP, to RENATA, the Colombian academic network. CEDIA, from Ecuador, has also expressed interest and should be the next to implement the school. Our goal is to extend this action to a wider collaboration with other Latin American networks in, where all their partners will be able to share, enhance and evolve to all the improvements in methodology and more content of the material of this school, turning it into a Latin American Network School.

RNP is, undoubtedly, very important for the development of the entire advanced networks Latin American community. In which areas you think it can contribute to help even more this process of evolution?

We can contribute in many points, especially in the areas of training and connectivity already mentioned, in addition to telemedicine and services. In particular on telemedicine, the Telemedicine University Network of RNP, also known as RUTE, received in 2012 the qualification of best practice in telemedicine in Latin America and the Caribbean, given by the Inter-American

Development Bank (IDB), the Pan-American Health Organization and the Economic Commission for Latin America and the Caribbean (ECLAC). Since then, RUTE has served as an example of innovation in scientific collaborative networking, deployment of telemedicine centers and telehealth, remote assistance, continued education, scientific practice and production in this area, and integration between health professionals and academics in all regions of the country.

The worldwide recognition of the actions of RUTE and the success achieved through the work that was done also contributed to the launch, in 2010, of the project "Telehealth Public Policies in Latin America TTP-LA", financed by the IDB. Its aims were to consolidate the national telehealth programs in the Latin American countries and to establish a strategy for the creation of integrated networks of teaching and research on telehealth issues in Latin America, from the integration of existing advanced academic networks, health communities, ministries of health, education, science, technology and innovation, allowing the promotion, prevention and provision of telehealth services. The joint effort is carried out in order to make these services more efficient, to reduce costs and increase the quality of telehealth in the region, especially in places of hard access.

In Brazil, the project is coordinated by RUTE/RNP and by the Federal University of Minas Gerais (UFMG). The project also has representatives from the Ministries of Health of the following countries: Brazil, Colombia, Ecuador, Mexico, Uruguay, El Salvador, Chile, Peru, Argentina, Guatemala, Costa Rica, Venezuela, Paraguay, Dominican Republic, Haiti, Bolivia, Panama and Guyana. RedCLARA and the academic networks RENATA (Colombia), CEDIA (Ecuador), CUDI (Mexico) and RNP (Brazil) are part of the project too.

Some institutions in Latin America also collaborate and participate in the sessions - monthly, scientific and practical - of the Special Interest Groups (SIGs), which are held by RUTE as a collaborative activity with their members. In at least eight SIGs, there was participation of health professionals and academics from Venezuela, Mexico and Ecuador.

In the area of services, we were responsible for two ELCIRA work packages, funded by the European Commission, which aimed to help the execution of collaborative projects between

researchers in Latin America and Europe. Thus, we expanded the use of eduoam in Latin America, which currently accounts more than 1200 access points distributed in several countries such as Argentina, Chile, Colombia, Costa Rica, Ecuador and Peru, as well as Brazil.

We also encouraged the creation of identity federations in the region. As a result, Colombia and Ecuador launched their federations, Colfire and Minga, the Argentine (MATE) is in final stage to become a member of eduGAIN and the Chilean (COFRE) has completed its accession process. Another three are in their pilot phase: Peru (Inca Federation), Uruguay (RAUId) and Mexico (Fenix).

In this context, how important is the Conference for the Brazilians and how are they preparing for this edition?

TICAL is a very important meeting point to all the Latin American academic networks, because it is where we share experiences, best practices, know initiatives of other networks and open fronts to new opportunities for collaboration. I lost the last edition and felt bad about it. Before it, I participated in all other editions since I entered RNP. But I committed to myself to not miss it again.

It's a conference of ourselves to ourselves, where we realize that our problems are common and that a solution found by an academic network several times serves better to another, when both are Latin American.

We are preparing ourselves to take a record number of Brazilians this year. We involved our communications area since the beginning of the preparations and we are now involving our department of institutional relationship in order to better disseminate and promote the participation of Brazilian researchers and students.

The opportunity to know the cities where the event is carried out is very interesting too.

The Conference will reach its fifth edition. How do you evaluate its growth since its first edition?

My evaluation is that TICAL is doing well, with a great growth potential, as far as we "latinize" ourselves. There are thematic areas to be explored and there is a great potential to increase the partners and event sponsorships.

Personally, what are your expectations for TICAL2015?

To participate, take more Brazilians, learn from all participants, contribute and share our actions and projects, enjoy and meet friends from other academic networks.

Finally, what everybody wants to know: when we'll have TICAL in Brazil? Are there negotiations to take the conference to your country?

We are working to bring it to Brazil next year, so we could have TICAL2016 here. Though there is just one thing that is scaring us: the fact that the Olympics will be held in the Brazil in 2016 too, and in the same period of TICAL. Maybe that complicates things a bit. But our will is to hold the event here, if not in 2016, in 2017.



Javier Martínez:

"This transcendental collaboration at national level is even stronger when we look at the international connectivity that allows it to extend to any point of the planet"

After seven years working as the Technical Chief of InnovaRed, six months ago Javier Martínez took a new challenge: to command the Argentine academic network as its Executive Director. Martínez also played important roles in the Technical Committee of RedCLARA, enhancing the development of collaboration in e-Science of Argentina and the Latin American countries. In this interview Martínez explains the importance of Argentina's participation both in the regional network and in TICAL2015 Conference, and also comments about the progress conducted in InnovaRed.

María José López Pourailly

Dr. Alejandro Ceccatto, secretary of scientific-technological coordination of the argentinian Ministry of Science, Technology and Productive Innovation (MINCyT), leads the e-Science program that is taking InnovaRed's advanced Internet network to all the scientific and educational institutions in the country. How are you structuring this work and what is behind the aim of expanding even more the scope of InnovaRed?

In the view of the Secretariat, during the next years science will replace numerous laboratories, that belong to each research group, with big equipments shared by all the system, strongly

communicated to a scientific network. They will generate huge databases that the researchers will explore in search of the data they need to prove - or not - their thesis.

With this vision, we work to achieve a backbone that allows the transport of large volumes of scientific data. It's the first step of this network that will be inexorably required by the scientific system.

We are also promoting the collaboration based on ICT in the scientific communities with the National System for Microscopy and the communities of Genomics and Astronomy, for example.

In addition, we are developing a prototype of e-Health services, among others; all this by sharing resources and delivering an ICT infrastructure base that allows them to incorporate this technology to their research on the same level of their peers around the world.

This transcendental collaboration at national level is even stronger when we look at the international connectivity that allows it to extend to any point of the planet.

Which are the areas seen as the most benefited through to the use of the capabilities of InnovaRed and its international connection to the global networks through RedCLARA?

As well as it happens in almost all the countries, the first users of this service were the astronomers and the high energy physicists. In particular, the National Atomic Energy Commission, that is building its entire network with local access to the advanced networks in all the points.

It is also important to mention the use made by the National Commission of Space Activities in its communications with NASA, or the National Institute of Agricultural Technology, or even the National Water Institute, among others.

In particular, the laboratory of microscopy of the physics department, in the university town of UBA, has in place a pilot service of remote access to the electronic microscope that allows researchers of different parts of the country to send samples and interact in real time with the operator of the equipment to achieve the sought results.

Thanks to the connectivity of InnovaRed to RedCLARA, Argentina has been able to participate in relevant worldwide initiatives such as the ATLAS project and the studies developed by Pierre Auger. Why is so strong the acting of InnovaRed in relation to taking the Argentinean scientific data to the rest of world? Which is the reason why you bet in finding a decidedly open connectivity to the world of the advanced networks and to the development of e-Science?

It is a policy defined in the secretariat of articulation, based on the collaboration and the knowledge dissemination, thinking about the regional use of the science in order to achieve the technological growth of the region.

Who are the most demanding users of InnovaRed and who are the users to whom the network is seeking to address?

In general, our users are demanding, conceiving the service as of excellence. But if we must highlight any of them in particular, I believe that we should speak of the National Commission of Space Activities, because its data mostly requires a treatment in real-time and its links, in general, should have an availability greater than 99.9%.

What is relevance that you give to the InnovaRed connection to its Latin American peers through RedCLARA?

I believe that it is the future. We hadn't a lot of tradition of collaboration based in communications infrastructure and ICT, but thanks to cooperative efforts like RedCLARA, things are beginning to change. I believe that soon we will have multiple scientific



communities collaborating on the infrastructure available in the region.

InnovaRed is intense and decidedly supporting the TICAL community and the development of its conferences. How is the network working to promote participation of Argentina in the 2015 edition, to be held in Viña del Mar, Chile, in July?

We are hardly working together with the MINCyT in the call for young entrepreneurs. The Ministry supports very creative initiatives that require dissemination. Today, we are defining the jury that will prepare the call and evaluate the submitted papers.

In the previous edition we did support Maximiliano Picón, with his paper "A Media Network for teachers and journalism students." It is important for us that the young people show what they are doing, because new horizons and opportunities must be opened, creating the necessary conditions for these projects to be crystallized.

Regarding the call for authors, we are interested in that those institutions that are connected to the advanced networks present their experiences, showing their work and advances made in the area of communications and collaboration with other institutions, always within the themes proposed by TICAL.

What challenges is currently facing InnovaRed in relation to the development of the network?

We are working hard to develop value-added services such as eduoam or the Identity Federation. Also, in the development of a streaming video and web conferencing service; all of them are cross-collaboration tools for the institutions.

Regarding the network, we are developing some interurban networks in Rosario, Mendoza and Chubut; we are also developing the 10GB ring of transport across all the central part of Argentina and preparing the changing of InnovaRed structures to the MINCyT dependencies.

How are you preparing to answer the future demands for network capacity facing the e-Science plan?

We are looking for funds to equip our backbone of 10Gb with equipments with support of 100GB cards. We also continue working to incorporate the dark fiber to the institutions, looking after the need of handling large volumes of data.

Furthermore, we are incorporating storage systems of several terabytes that will support the needs of the different scientific communities and, what is more important, using the funds allocated by the MINCyT to the different research projects.

Argentina was one of the first countries in the region to connect to RedCLARA and is one of those which have an important interaction of its researchers with the rest of the world in the development of major scientific projects. Would be possible to keep this growth if there was no partnership with RedCLARA?

Definitely not. And the limitation imposed by the distance to the collaboration among scientists would be an insurmountable problem.

What are the InnovaRed goals for the next three years?

We are working on three fundamental pillars: the first is to change the legal form of InnovaRed to achieve a greater dynamism and improve the response times to the connectivity requests, creating the appropriate framework for the development of e-Science. The second one involves an improvement of the communication costs to reach greater capacities with "marginal" or subsidized costs. If we think about the future of science, we must deliver the necessary connectivity regardless of the institutional budgets. Finally, solidify the working group, the inclusion of the project in the MINCyT and support the scientific communities that are across the science and technical institutions.

FRIDA will award five initiatives in Latin America and the Caribbean for their contribution to the development of the Internet in the region

The Regional Fund for Digital Innovation in Latin America and the Caribbean (FRIDA) announced on March 2, at the House of Internet of Latin America and the Caribbean, its third call in 2015.

Fonte: LACNIC



The call "Premios+" will recognize and award the five best proposals in the area of Information and Communication Technologies (ICT), with emphasis on social inclusion and economic, social and cultural development of the region. In addition, this call includes non-repayable funds to deepen or replicate the initiative presented by the applicant organizations.

"The proponents have to prove that the initiative achieved concrete results in the moment of submit their candidature", says Lara Robledo, responsible for the institutional cooperation of LACNIC.

Besides the award of USD 3,000, the call includes additional funding (USD 6,000) for whom present proposals of new activities related to the initiative that is being developed by the applicant organizations or the replication of the same in other contexts of the sub-regions.

The thematic areas of the "Premios+" are:

1. Devices, Infrastructure and Technologies. Acceleration and expansion of the access;
2. Creation and development of capabilities and content for the Sustainable Human Development;
3. Mobile Internet for social inclusion, growth, political participation and active citizenship;
4. Internet for promotion, guarantee and exercise of the Human Rights and fundamental freedoms.

The call will be open until the 10th of June.

For more information, visit: www.programafrida.net/awards



Best Practice:

Sharing medical research data through SURFnet optimises population research

In Netherlands, the Leiden University Medical Center (LUMC), Erasmus University Medical Center Rotterdam (Erasmus MC) and the Delft University of Technology are working on analysis techniques of medical imaging and other data. Large-scale imaging data sets containing brain scans of participants in long-term studies help to diagnose – and even predict – the onset of illness (a method known as ‘population imaging’). The accuracy of a prediction depends on the quantity of data available: the more data, the better the prediction. In this respect, collaboration over the advanced e-Infrastructure provided by SURF is crucial.

María José López Pourailly

Colaboratorio: Our collaboration portal

Developed by RedCLARA within the collaborative project Europe Latin America Collaborative e-Infrastructure for Research Activities (ELCIRA), the new portal seeks to support and promote the scientific and academic collaboration within Latin America and Europe, in a simple and functional way, and acting as a link between users within it. To access to it, please press the RedCLARA Site Authentication button in its website..

With the tools and services of Colaboratorio you will be able to:

Access and take part of the discussions and events of the RedCLARA Communities.

Create and participate in Web conferences by VC Espresso.

Manage virtual rooms for multipoint high quality videoconferences with SIVIC.

Transferring large files using eNVO.

Receiving, at Colaboratorio's home page, funding opportunities for projects.

In its pilot stage, RedCLARA invites you to experience Colaboratorio and to use the new version of its services. Updated as part of the activities of the ELCIRA project, these services will help to extend and strengthen the work of scientists and students in Latin America, and between them and their peers in Europe.

Check out the video tutorials of the services at: <http://elcira.eu/tutorials.html>

Questions and comments about Colaboratorio: vsog@redclara.net.

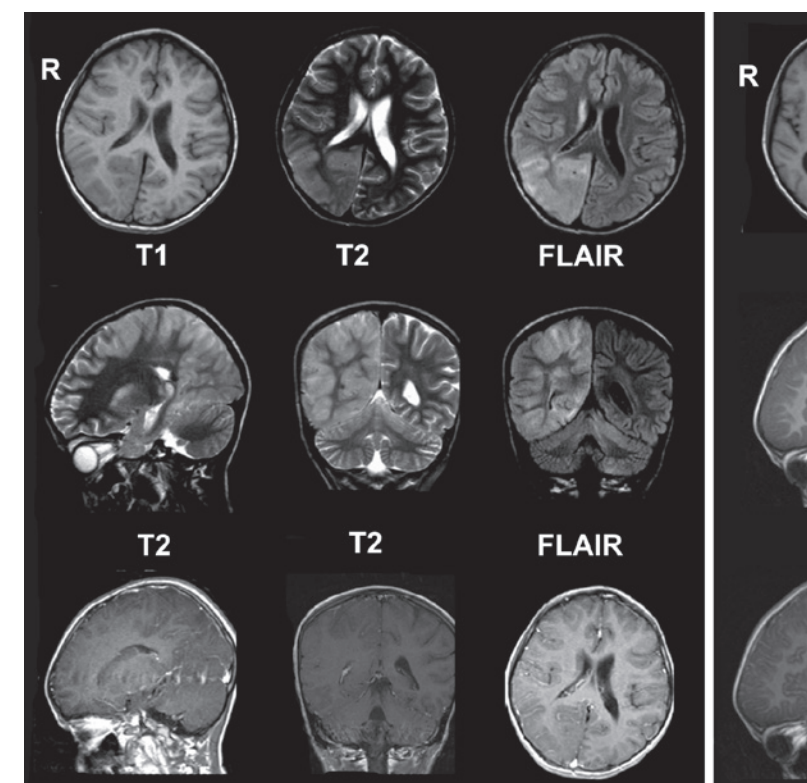


A publication developed by Marjolein van Trigt, Jan Bot and Nanda Bazuin and published by SURF in the Netherlands, reveals the major importance of data sharing in brain study to diagnose and predict the onset of illness.

The publication points the following:

“In healthcare, more and more treatments are being based on data from a single population study. The larger the population, the more data will be available and the more effectively specialists can determine which treatment has the greatest chance of success. Although the opportunities offered by big data are promising, scaling up a population study means that research institutes require access to each other's data sets. The networks of medical centres are well secured in order to guarantee patient privacy, and sharing data sets is only possible if the institutions have a fast, secure connection.”

“Although there is funding available to scale up the population study, hospitals are encountering practical obstacles. Leiden



University Medical Center (LUMC), Erasmus University Medical Center Rotterdam (Erasmus MC) and the Delft University of Technology decided to set up a trial system to demonstrate that it really is possible to centralise the analysis of data stored locally at various sites. The project focused on three key aspects: speed, response time and security. The institutions were connected via SURF light paths, which were used to transmit the imaging data (MRI and CT scans) remotely from hospitals at various locations for viewing and analysis. Light paths form a secure and reliable infrastructure, enabling the simultaneous transmission of large quantities of data via a secure connection."

You can download the complete publication HERE https://www.surf.nl/binaries/content/assets/surf/en/knowledgebase/2014/best_practice_support4research_lumc_en.pdf

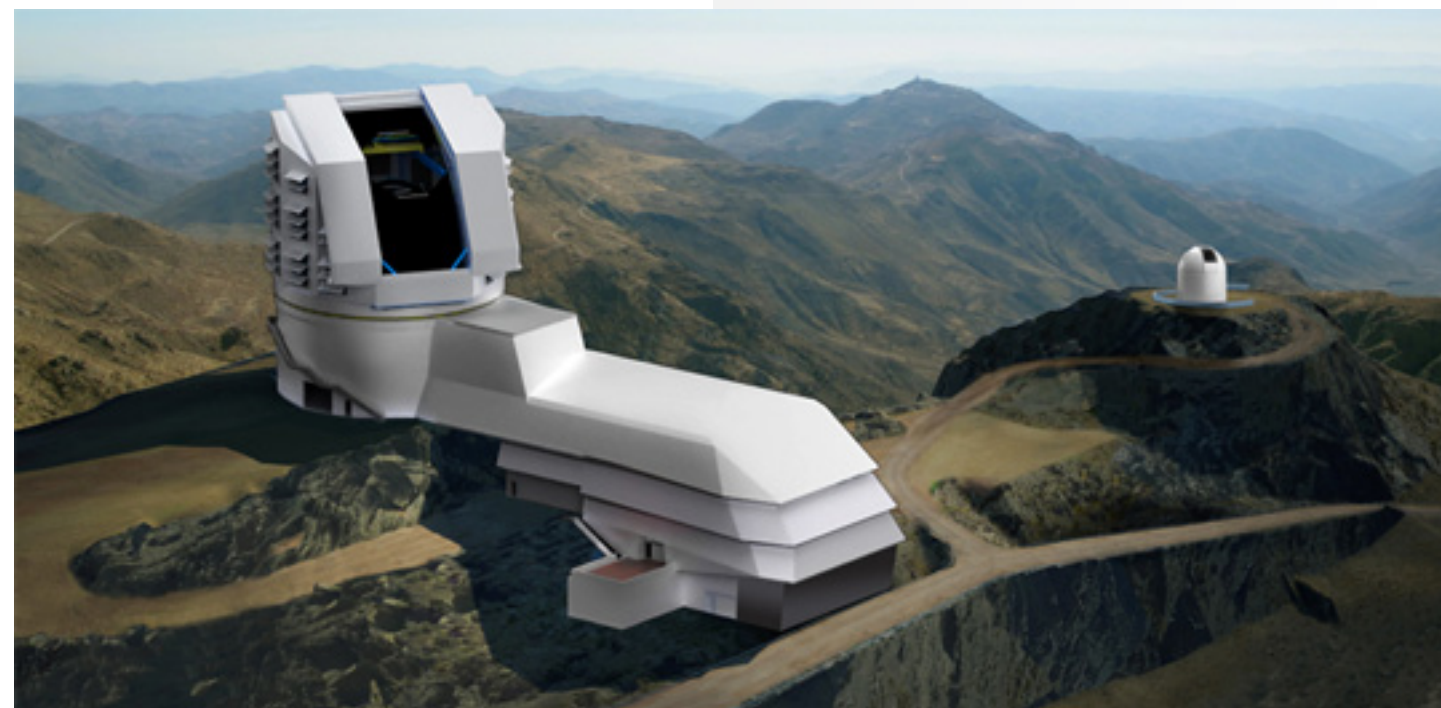
SURF is the collaborative ICT organisation for Dutch higher education and research; it offers students, lecturers and scientists in the Netherlands access to the best possible internet and ICT facilities through its connection to its advanced network: SURFnet.

Chile:

REUNA and AURA started the implementation of the photonic network that will connect synoptic exploration Telescope

The network, which will be installed between Cerro Pachón, in La Serena, and Santiago (Chile), will enable bandwidths of up to 100 Gigabit per second, capacity required by the telescope when it is in operation.

Source: REUNA



The AURA Observatory in Chile and the National University Network - REUNA - began the implementation of the connectivity project for the future Large Synoptic Survey Telescope (LSST), which will become the most advanced connectivity infrastructure for Science and Education in Chile. It is a photonic "superhighway" that has a potential capacity of millions of megabits per second and will be built between Santiago and the Centre's facilities, located near La Serena. The basic infrastructure functions should be available in the first half of 2016 and the installation of the network will be completed before 2019.

The LSST will be able to scan the sky every 3 or 4 nights with its 8.4 meters of diameter mirror combined with a camera of 3.2 billion pixels. The most critical part of the project is to analyze the images in real time, detecting any change in the sky and announcing it to the world in a matter of seconds. The range of objects that can be detected goes from asteroids that pass near Earth to star explosions that occur in very distant galaxies.

To reach this performance, when it is in full operation, the LSST project will require bandwidths that achieve 100 Gbps from the summit of Cerro Pachon, in the region of Coquimbo, to the national and international data centers. From these centers, one of which will be located in the city of La Serena, scientists, students and even the general public will have access to the digital universe created by the LSST.

"The high-speed connectivity is crucial to achieve the successful operation of the LSST and fulfill its commitment to deliver notifications in real time. We asked for the help of REUNA for its expertise in developing the network of research and advanced education in Chile, seeking a connectivity solution in the country and in particular from La Serena to Santiago", says the director of AURA Observatory in Chile, Dr. Christopher Smith.

Dr. José Palacios, president of REUNA board of directors, points out that the alliance with AURA for the connectivity of the LSST is a great satisfaction for the Chilean academic network, "as it reflects the confidence in the work done by the Corporation and, in the other hand, is an initiative aligned with the strategic objectives of REUNA,



Dr. José Palacios, Chairman of REUNA, Ambassador Gabriel Rodríguez, Director of DECYTI - Ministry of Foreign Affairs, Undersecretary of Telecommunications; Mr. Pedro Huichalaf, Dr. Christopher Smith, Director of AURA Observatory in Chile; Mr. Roberto Muñoz, General Manager Telefónica Chile, and Mr. Pedro Palominos, Provost of the University of Santiago of Chile.

pointing to consolidate a digital platform of excellence and that is opened to the entire community of science and education."

The construction of the photonic network draws a fiber optic route between Santiago and Cerro Pachon, in La Serena, place where the telescope will be installed. The high standards of the initiative will be tackled with technology that will serve all the connectivity needs in a scalable way, encouraging the development of science without the capacity constraints imposed by conventional solutions. In addition, this model will satisfy not only the astronomy requirements of the 4th Chilean Region, but will also take an important step to consolidate REUNA's development plan for the digital platform of science and education in the country.

The physical highway will be implemented in partnership with Telefónica, company that took over the challenges proposed by the project, becoming an important part of this technological achievement. "For Telefónica, it is a great pleasure to participate, along with REUNA, in this project that again shows how connectivity is becoming each day a less limiting factor and that is positioning Chile as the world capital of Astronomy. In 2016, we will have installed, together with two other allies, over 500 kms of optic fiber dedicated to research centers for astronomical and scientific development in Chile and around the world", says Roberto Muñoz, general manager of Telefónica in Chile.

Connectivity with the world

The digital highway will be integrated to the AMLIGHT (America's Lightpaths) to join the LSST, funded by the NSF (National Science Foundation), with the US project member institutions. Through AMLIGHT, the Observatory will connect with the National Center for Supercomputing Applications (NCSA) in Illinois, which will process in nearly real time the data captured by this telescope in the northern skies of Chile. This international link will also keep it connected with the universities who are members of AURA in North America.

AMLIGHT, the connectivity project between EE.UU and Latin America put its advanced network infrastructure to the service of the LSST, which will provide the width capacity of international bandwidth committed to the long-term needs of this telescope. To this end, AMLIGHT will launch multiple links of 100Gbps between Miami and Santiago.

For more information, visit www.lsst.org and www.reuna.cl

Peru:

CONCYTEC offers new virtual platform for researchers, innovators and professionals

On February 9, the Peruvian National Council for Science, Technology and Innovation (CONCYTEC), made available the new virtual platform of the National Researchers and Innovators Directory (DINA), a tool that records the resumes of people who carry out activities related to science, technology and innovation in Peru.

Source: CONCYTEC

DINA helps to give visibility to the work of the Peruvian researchers and innovators, and to link them to their peers, so they can generate multiple opportunities to enhance their collaborative networks. Log into DINA is free, voluntary and of public access.

The Directory seeks to bring together professionals of different thematic fields of scientific, technological and innovative knowledge, favoring the formation of research networks. It also represents a showcase in which companies and institutions can have access to relevant information about professionals who are related to various fields of study and research in CTel.

Thus, DINA contributes managing the search for strategic partners for the development of projects at both scientific and corporate levels.

At being part of DINA, the entrants will have the opportunity to nominate to the State funds in Science and Technology activities that are granted through CienciActiva, the National Fund of Scientific and Technologic Development and Innovation (FONDECYT) and other institutions. In 2015, the CONCYTEC will convene over 30 contests, which means more than 150 million soles (national currency) awarded in the year.

Those who are registered in the Directory can also join the Virtual Library in which they are located, accessing the latest information of the most recognized journals.

To access the DINA benefits, it is necessary to the registered people to update their curriculum with the biggest possible amount of information, which will also allow the CONCYTEC to formulate the best development policies of CTel, according to the needs of researchers and innovators.

"The new features will allow a quick and easy registration of the information. In addition, the users can observe that the recorded personal data is validated by RENIEC. The scientific publications indexed in SCOPUS and MEDLINE databases can also be easily integrated into the profile of the person in the directory", said Dr. Walter Curioso, Director of Assessment and Knowledge Management.

Access DINA in: <http://dina.concytec.gob.pe>

Read the original news published by CONCYTEC in: <http://portal.concytec.gob.pe/index.php/noticias/289-concytec-pone-a-disposicion-nueva-plataforma-virtual-dina-para-investigadores-innovadores-y-profesionales>



AGENDA 2015

April

15-16 | 4th Global Conference on CyberSpace (GCCS2015)
Den Haag, The Netherlands
<https://www.gccs2015.com/>

26-30 | Internet2 Global Summit
Washington DC, USA
<http://www.internet2.edu/news-events/events/global-summit/>

May

4-6 | Network Performing Arts Production Workshop 2015
London, UK
<http://www.terena.org/activities/network-arts/london/>

6-8 | IST-Africa 2015
Lilongwe, Malawi
<http://www.ist-africa.org/conference2015/>

11-13 | QUESTnet 2015
Gold Coast, Australia
<https://www.questnet.edu.au/display/qn/Home>

11-15 | 70th RIPE Meeting
Amsterdam, The Netherlands
<http://www.ripe.net/ripe/meetings/calendar/ripe-70>

June

14 | REFEDS
Porto, Portugal
<https://refeds.org/meetings/june15/>

15 | TF-CPR & Global PR Network joint meeting (@TNC15)
Porto, Portugal
<https://eventr.terena.org/events/2121>

15-18 | TERENA Networking Conference 2015
Porto, Portugal
<https://tnc15.terena.org/>

July 6 - 8 | TICAL2015

Viña del Mar, Chile

<http://tical2015.redclara.net/>



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