DeCLARA

TICAL2015: Collaboration, innovation in ICT and a great exchange of experiences

Latin-American rectors "call" ICT to assume its strategic role at the universities

Aligned mission: Microsoft joins RedCLARA for education and entrepreneurship

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RedCLARA

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Editorial

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It has been over a month since the end of TICAL2015, in the picturesque city of Viña del Mar. Still fresh in my mind are the experiences and feelings of those three days. When I close my eyes the word generosity comes to my mind. I recognize it in everyone who came to share their knowledge and experience, ready to tell the audience what went well but also what they did wrong; and in those gratefully listen the others, willing to give advice, to encourage or to ask, hence showing their interest.

I highlight the passion and commitment of the organizers, but also of the audience; all feeling the event as their own, sharing their presentations with satisfaction and enthusiasm, generating questions, reflections, agreements and disagreements; not a single activity went unnoticed. This Fifth Conference revealed an event that learns and evolves, with a collective memory that has defined its identity and allows it to retain its essence, and from there tries to change what it recognizes as errors and innovate with new proposals.

TICAL2015 has had papers of the highest level, the 46 that were exposed are the result of a difficult choice between the 176 that were submitted and allowed to have a very balanced program in different themes and listening to experiences in ICT solutions oriented to management, teaching, research and extension. There also were papers that showed its actions in ICT governance and management, infrastructure and information security. In addition, this year a special call for proposals for collaborative initiatives between different institutions in the ICT field was included; the four proposals that were selected received a privileged place in the program, opening for them the possibility of adding partners to their initiatives. By doing this, we captured a latent need of TICAL community, that is committed

to collaboration but needs spaces like this to materialize that collaboration. The presentation of the group of young entrepreneurs was a breath of fresh air, they presented innovative ideas clearly detached from the limits that sometimes we who are more contaminated with pre-existing ideas impose to ourselves. They made me reflect on the need to count more with them within our institutions.

TICAL2015 programs design gave visibility and improve the integration possibilities with agencies that are generating proposals of interest to our institutions. It is the case of LACNIC and ISOC, which offered opportunities for universities in the region to assume a leadership role on the Internet; and the NRENs and RedCLARA that exposed the actions deployed and some of its high impact plans for integration and collaboration. He also created an environment conducive to establish a virtuous relationship between supplier companies and universities space.

We had guest speakers of the highest level: Manuel Moreno Castañeda (Mexico) referred to ICT in education, Eloy Antonio Santos Cordeiro Rodrigues (Portugal), to open eScience, Hans Pongratz (Germany) explained how in his university (the Technical Munich) his CIO actions are aligned with the strategy of the university, Andrés Holgin Coral (Colombia) spoke about the current security risks of ICT and how to advance, while Susan Grajek (USA) highlighted the main ICT trends in universities in her country. The presentations were motivational and invited us to reflect. From them I've become aware that there are no technological breakthroughs that universities in Latin America we are not able to achieve in the medium term, the main obstacle that we must overcome to get there is "human": it is cultural and mainly founded in the organizational dimension.

To address and understand these organizational changes the Latin American universities Rectors Round Table was a substantial contribution, where four of them gave their views on what is the strategic contribution of ICT, what changes must be implemented in their institutions for its better use, and which they consider are the main contributions that ICTs can provide to universities. The launch of the book "ICTs enhancing the XXI Century University" was also a substantive milestone to address this issue and it was also a proof of the actions the organized TICAL community is able to carry out.

TICAL2015 leaves us full of ideas, contacts and opportunities. It also leaves us a little emptiness feeling that started in the very moment in which the event ended and we had to say goodbye; but, at the same time, it motivates us to work and prepare to find TICAL waiting for us all in 2016.

TICAL2015 successfully concluded:

Collaboration, innovation in ICT and a great exchange of experiences

It lasted only three days, but if we consider the number of good lectures and presentations, as well as the quality of the programme, TICAL2015, the Conference of ICT directors of the Latin American universities could have go on for much longer time..

Luiz Alberto Rasseli

The Conference, the only led to this particular audience within the region, was held in the Enjoy Hotel, Casino & Event Centre, in the city of Viña del Mar, Chile, between July 6 and 8 of 2015, and brought together around 300 participants from Latin America, North America and Europe. In constant and fruitful discussion were the paths for the development of the Information and Communication Technologies in the higher education institutions of the region, going from themes such as management, education, infrastructure to governance and security.

The Conference programme included the presentation of 44 papers, the presentations of companies of the ICT sector, discussion groups and five plenary sessions that gathered the participants in the main hall of Enjoy.

The plenary sessions were conducted by the five international speakers invited to this fifth edition of TICAL. From Mexico, Msc. Manuel Moreno Castañeda, Rector of the Virtual University System of the University of Guadalajara; from Colombia, Andrés Holguín Coral, Coordinator for

Technological Research and Innovation and Information Security at the University of Los Andes; from Europe, the German, Hans Pongratz, Senior Vice President of Systems and IT Services of the Technical University of Munchen, and the Portuguese Eloy Rodrigues, director of Documentation Services of the University of Minho; finally, from the US, Susan Grajek, Vice President for Data, Research and Analysis of EDUCAUSE.

For Castañeda, in addition to the programme and the discussions on ICT, the Conference was special for another reason: "It was a great pleasure to participate in TICAL, specially because of the people. I met motivated and enthusiastic people, they want to advance in the field of technologies and are determined to take ICT to help us to have a better life".

On the first day of the meeting, there was another important moment for the Conference: the incorporation of Microsoft as business associate of RedCLARA was announced. By this new association Microsoft aims to contribute to transform

and provide both the Latin America and the Caribbean youth a better education through technology and new opportunities for learning, and strengthen research in different sectors of the region.

According to Marcela Larenas, manager of TICAL, the agreement with Microsoft extends the possibilities of collaboration between the institutions. "Microsoft has always been partner of TICAL and this new formal agreement with RedCLARA open opportunities for universities to build bridges between the companies and the university communities. We are pleased to announce it."

About the Conference, Larenas said that there are many things to celebrate. "The presentations had an excellent level; we launched the first book on ICT strategies and university policies; we had the presentation of interinstitutional collaborative projects and the Latin American universities Rectors Round Table, that helped us to establish a bridge between the authorities of the universities and the directors of technology in our region. In 2015, the Conference reached its fifth edition and though I know that there still are areas to develop, I see that we are reaching maturity and this is very important in our journey to serve the ICT community in the region."

The closing of the Conference took place in midday on July 8, with this Latin American universities Rectors Round Table. The Latin American universities were represented by Daniel Ricardo Pizzi, from the National University of Cuyo (Argentina); Darcy Fuenzalida O'Shee, from the Universidad Técnica Federico Santa María (Chile); Patricio Sanhueza, from the Universidad of Playa Ancha (Chile), and the Msc. Manuel Moreno, rector of the Virtual University System of the University of Guadalajara.

The discussion board, as well as the major sessions of the Conference, was broadcasted live thanks to the support of the National University Network of Chile, REUNA, and are available on the website of the Conference (http://tical2015.redclara.net).

The fifth version of the Conference of ICT Directors of the Latin American universities, TICAL2015, was an accomplishment of RedCLARA, in partnership with REUNA and Edutic, with the sponsorship of Alcatel-Lucent, Adobe, Grupo Datco, OSI, Oracle, CognosOnLine-Blackboard, Lacnic, Cisco-Interside, Citrix, Crestron, Wolfram, Citavi, Brocade, Internet Society, Redhat, Hewlett Packard-AVNET, Ruckus, Palo Alto Networks, Google, Fujitsu, Microsoft, El Mercurio de Valparaíso and Wacom.

TICAL Community launches the book "Las Tecnologías de la Información y la Comunicación Potenciando la Universidad del Siglo XXI"

How can ICT empower the XXI century university? It was looking for consensual answers that the TICAL community, in the person of the Argentinean Ernesto Chinkes, announced at the closing session of TICAL Conference the launch of the book "Las Tecnologías de la Información y la Comunicación Potenciando la Universidad del Siglo XXI: claves para una política TIC universitaria" (The Information and Communication Technologies enhancing the University of the XXI Century: keys for a university ICT policy), fruit of the joint efforts of a team of directors and researchers from all over Latin America

The publication, sponsored by RedCLARA, tries to formalize in a simple and plain speech the strategic impact that the ICT can have over the universities of the region and indicates which actions and commitments are needed for this impact to really happen. "Our intention was to create a tool that can be used to disseminate and generate discussion around this relevant topic, in order to promote, among the stakeholders, inside the universities, a common vision about the potential that these technologies have, enabling it to help our institutions to take large leaps", says Chinkes at the presentation pages of the book.

Ernesto Chinkes did this book with the participation of the mexican José Marcelo Tam, Wilson Rodrigo Padilla (Ecuador), Francisco Valdivia and Roberto Price (Chile), Ronald Vargas (Costa Rica), Andrés Holguin and Juan David Rey (Colombia), and Jussara Issa Musse, from Brazil. The book "Las Tecnologías de la Información y la Comunicación Potenciando la Universidad del Siglo XXI: claves para una política TIC universitaria" is available for downloading in the Publications section of TICAL2015 website (http://tical2015.redclara.net).

De izquierda a derecha: Patricio Sanhueza, rector de la Universidad de Playa Ancha (Chile), Daniel Pizzi, rector de la Universidad Nacional de Cuyo (Argentina), Dr. José Palacios, Presidente del Directorio de REUNA (Chile), Darcy Fuenzalida, rector de la Universidad Técnica Federico Santa María (Chile), y Manuel Moreno, Rector del Sistema Universidad Virtual de la Universidad de Guadajara (México).

Latin-American rectors "call"

ICT to assume its strategic role at the universities

Four rectors from different Latin American universities have "called" the Information and Communication Technologies to lead the internal processes in higher education institutions, at the enclosing session of TICAL2015 Conference. The Rectors Board of TICAL2015 was coordinated and moderated by José Palacios, president of the Red Universitaria Nacional, of Chile (REUNA).

Mónica Aguilera (REUNA)

In the opinion of the university authorities who were part of the discussion, it is currently unthinkable that decisions taking process in a serious institution is not linked to technical tools. "I call the ICT areas to take an active role in universities and to accompany the strategic tasks, leaving aside its role as mere support tools", said the rector of the Technical University Federico Santa Maria, from Chile, Darcy Fuenzalida.

On the same subject, Patricio Sanhueza, rector of the Universidad de Playa Ancha (UPLA), added that "globalization has the ICTs as its main instrument and now we have to think about how to make these technologies assume this role in our institutions."

Manuel Moreno, Rector of the Virtual University System of the University of Guadajara (Mexico), also focused on the required plan to convert ICTs into "leaders." "Information technology has some outstanding tasks with respect to the modernization of universities and we must find a way to give them that position. Among other things, the technologies allow us to move forward knowledge more than moving people, and that is what is needed".

The rector of the National University of Cuyo, Argentina, Daniel Pizzi, argued that even though ICTs are allowing the advance in many areas, such as international linkage, "what is required is a change of culture and politics so that ICTs assume their strategic role in the universities. "

After the panel, Fuenzalida pointed out that there is no doubt that ICTs should be leading actors in the institutions "because they are transversal and they affect the entire organization. So to take them from a support logic to a strategy , we must change the paradigm, what is a great task".

With the Rectors Board, the fifth edition of TICAL sought to go beyond its mission as a space for the ICT directors, devoted for their exchange of experiences and solutions for the university. The Chilean version of the Conference wanted to take the first step in this institutional recognition, in order to make the ICTs protagonists in future education.

About 300 professionals, including researchers, ICT directors, academics and students of higher education institutions in Latin America were in the "Garden City" to attend the three days of the Conference. TICAL2015 was organized by RedCLARA, REUNA and EDUTIC.

Rector Manuel Moreno Castañeda:

"Technologies foster changes but do not determine them"

After the welcoming session at the beginning of TICAL2015, the founder and Rector of the Virtual University System of the University of Guadalajara, Manuel Moreno Castañeda (who is also a professor in the History Department of the same University in Mexico), the key speaker in charge of making the first presentation in the plenary sessions context of TICAL2015, and his presentation was really enlightening and humanizing of the ICT in the scene of education. In this interview we go deeper into this matter.

María José López Pourailly

In your presentation you indicated that TICAL humanizes the universities, could you explain this idea?

In fact, I referred to the following: when TICAL organizes conferences as the one we live these past days, it shows how technology has been an essential element in our process of humanization, being inherent to the development of humanity. Technologies can be extensions of the human faculties for various purposes such as improving the capabilities of perception, multiply their strength, ease transportation, enhance communication and more actions such as adapting the environment to the needs of survival. Just as people transform the environment with technology, the environment transformed favours changes in lifestyles and living.

In this regard, do you consider TICAL as a contribution to the development of universities in our region?

In fact, as it gets involved in all university functions in support of research, teaching, extension and in the linkages with all sectors of society to create networks of knowledge and to meet and exchange experiences, emulating innovations and undertaking joint projects .

You called those attending the Conference to dismantle the classrooms inside our heads: How do you do this and why should we do it?

The classroom, more than a physical space, involves space limitations and time, content and modes of learning and teaching controls, a situation that is not only technical or educational, but a cultural conception of education that strives to continue building schools for a model of the eighteenth century, required because of the beginning of the Industrial Revolution, in the context of this XXI century within a society that tries to be called of knowledge.

Technology makes changes but it does not determine them, the determinants are of economic, political and cultural character. It is in these factors in which we should influence to rethink our educational systems and thus to rethink education from its core processes, not from the classroom limitations.

Almost at the end of the Conference, during the Round table of Rectors, you indicated that among other things, technologies allow us to move knowledge even more than people can.

That is, through various actions such as virtual mobility where students can take online courses from other educational institutions; remote access to laboratories; shared networks of digital libraries; open educational resources; network video conferencing and many more strategies in which learners can gain access to information without having to travel. Which implies that the information and knowledge flow with timeliness and relevance through a conducive institutional management and take it.
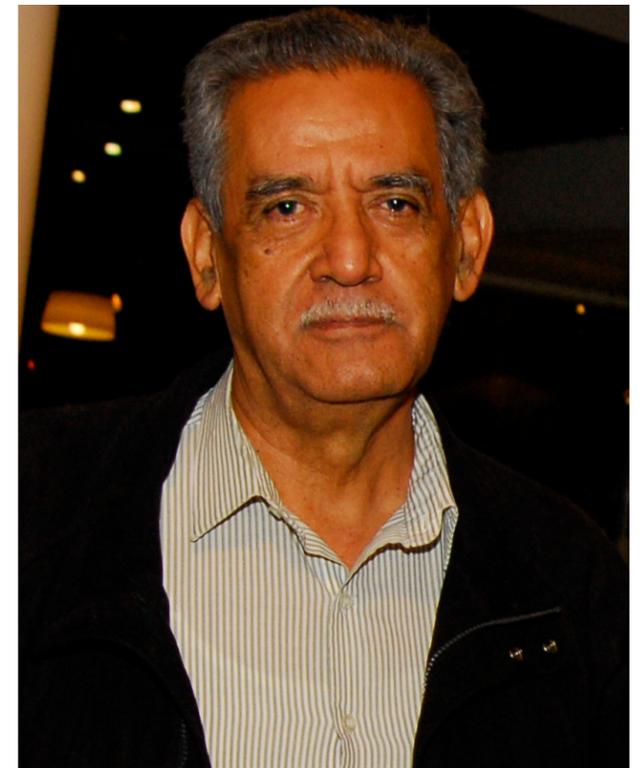
However you remarked that information technologies have pending tasks regarding the modernization of universities, what are these tasks? Could you mention the most relevant?

Returning to the idea of knowledge mobility and of actions such as those aforementioned, information and communication technologies can be well applied in the following tasks:

- To automate and ease information systems and university communication ;
- To make more flexible and to facilitate administrative procedures, saving paper;
- Support for academic networks and creation and development of knowledge networks with the participation of the different social sectors;
- To create and share diverse educational collections in digital formats;
- To foster mobility and virtual academic exchange between institutions and procedures, with all that this implies in savings in transportation, room and maintenance;
- To carry out joint online staff training programs;
- To develop virtual laboratories and remote access to real labs;
- Flexibility and curricular renovation in time, through free and direct access to the generation of new knowledge, and
- As usual, distance learning in digital environments.

After your participation in the fifth edition of TICAL, how do you evaluate the C and which would you say should be its future in terms of topics to be explored?

Of course, my evaluation is positive both in the previous organization and in the development of the Conference there was a notable enthusiasm shown by the participants.

In addition to the scheduled sessions, dialogues during breaks and lunch time led us to create and renew friendships and to share experiences and to plan joint work with the colleagues.

I think that from now and in the future it should be explored the possibility of inviting professionals working in different fields of ICTs, but fields in where they are applied and make sense, fields such as diverse university functions in teaching, research, extension and binding as in the work where such technologies are applied.

Eloy Rodrigues:

"To provide documents to repositories is boosting science""

Institutional repositories would be more popular if it increases the amount of authors who deposit their documents in them. This is the opinion of Eloy Antonio Santos Cordeiro Rodrigues, director of the Documentation Services of Minho University in Portugal. The expert on the subject was one of the international speakers invited to TICAL2015 with the challenge of generating policies and a culture that promotes the theme of scientific information within open access mechanisms and hence to boost the development of education worldwide.

Soon after his participation in the event organized by RedCLARA, the Valle del Cauca High Speed Academic Network Association - RUAV interviewed him about what should be the priorities in Latin America in relation to this issue and the way through which IT directors can get involved.

Camila Caicedo (RUAV)

What did interest you in institutional repositories of open access?

It is a personal story. For 15 years I worked at the university and wanted to create a system to store the doctoral and master's theses. With no intention of reinventing the wheel, I looked at what others were doing and came across the concepts of institutional repositories and software; I realized that they would be the solution, not only for theses, but for all the research results.

I realized that their importance is the promotion of science, since as a society, when we pay taxes part of this payment is intended for research and often the results are not available to the public; there is no return to the people. With the repositories you can control the results and meet the challenges we have, producing science every day just aiming to improve instead of waiting certain situations or disasters that require science to arise.

How should the use of these tools be promoted in Latin America?

Our problem is not the promotion but the lack of policies for authors to deposit their research in the repositories. If universities do not create such standards will have few arguments and the tool will not be attractive to consultants or for information generators.

At the University of Minho, where I work, it is a requisite to deposit the papers done in the repositories and in the future the only papers and research studies and results consider will only be those that are published there. There also are funding agencies that only take into account those publications that are included in one of these resources.

Latin America must encourage its researchers by demonstrating these advantages, such as the number of queries that can accumulate, the academic contacts that can be established and the participation in other research processes.

Are there any collaborative works between Europe and Latin America carried out through repositories?

The main initiative within the Latin American region is LA Referencia, a repositories network which is a federation that brings together such initiatives through the whole continent. This allowed the integration with Europe and its OpenAIRE repository, which groups more than 50 European universities.

We are working to have the same standards and during the next two years we will develop a pilot project so that the bond between the continental repositories be strengthened.

With regard to libraries, how does the digitalization process goes?

There is a lot of scan job of old libraries archives that are on paper and which now may already be in the public domain. There's also a lot of research in the search interfaces area, because despite all the efforts made in the building of proprietary mechanisms, Google is still unbeatable. We must invest in order to help content to be discovered through any route and maintain the free access.

Are libraries closely linked to the repositories?

Most repositories are managed by libraries, in partnership with the IT staff and almost always the best of them have great resources. However, the repositories can be democratization mechanisms, since its construction requires a minimum level of investment, totally different to what happens with "physical" libraries.

In your opinion, what is the future of the two mechanisms?

Making predictions is very risky, but I think that the issue of open access will dominate the future of scientific communication and will be managed both by universities and libraries. The risk is that large publishing companies are converted into open access networks of payment for authors who wish to publish. To me, that would be a problem. It's a battle to know how this whole thing will be realized and by whom.

What is the role of ICT managers in the construction of these repositories?

This is a new challenge. We must work in the management of data resulting from a publication. When I do a research, I gather data, photos, samples, etcetera, and this information must be preserved so it can be reused, regardless of the results that derive from it. This is a great opportunity for IT's institutions, which can start offering different services such as the ability to store data with which a researcher is working and open an entire data repository service for the different stages of the research. This adds value to the work done by each institution.

Aligned mission:

Microsoft joins RedCLARA
for education and entrepreneurship

Throughout the years TICAL has been the barn of many initiatives and partnerships in the field of ICT, and one of them has had its official announcement in its 2015 edition. In order to contribute to transform and provide the youth of Latin America and the Caribbean a better education and strengthen the research in different sectors of the region, Microsoft announced that became business member of RedCLARA to collaborate and unite efforts and experiences towards this goal.

The ceremony of the agreement signed by the Executive Director of RedCLARA, Florencio Utreras, and Microsoft Solutions for Higher Education Manager for Latin America and the Caribbean, Gustavo Fridman, was celebrated during the first day of the Conference within the context of the plenary sessions; both executives showed their complete satisfaction with the agreement during the announcement. "For us, TICAL2015 was special because it was the perfect setting to announce that we join RedCLARA as a corporate member in favor of education and entrepreneurship. This announcement confirms that Microsoft is passionate about education and providing students, teachers and educational institutions the best technological tools and skills to prepare for a better future", said Fridman.

Both, RedCLARA an Microsoft, always showed their interest in generating changes that reverberate on the quality of life in Latin America and, under this goal, are working in order to allow the building of solid foundations in communities. These common factors promoted the development of a joint work schedule.

"We have the great opportunity to lead and create value for the education of young people; we combine leadership in research and the applied development of the institutions that are partners of RedCLARA with the most innovative technologies in software and hardware, as well as the various projects that we offer through Microsoft for the benefit of the community in the region and in the rest of the world", comment Alberto Bustamante, Director of of Microsoft's Education Industry for Latin America.

Microsoft's incorporation as a business partner of the Latin American academic advanced network opens new activities opportunities for both organizations, among which we can mention:

• Support entrepreneurship and innovation through programs like BizSpark, DreamSpark, Imagine Cup and the centers of incubation and technology of Microsoft

Young entrepreneurs in TICAL2015:

"TICAL is a far-reaching event; the comments received and the opportunities to exchange views are very valuable"

In any area, the emergence of innovative ideas is what "moves the wheel", driving the development of the sectors, attracting investors and benefiting society. ICT is no different. The latest in technology expand the possibilities of academic work, from the development of research and self-study, to the possibilities of collaboration. That's why for another year TICAL paved the way for the presentation of remarkable initiatives of young Latin American entrepreneurs. Some of them explain us here how valuable was their experience in the Conference and which will the next steps of the initiatives they shared in TICAL2015.

Luiz Alberto Rasseli

Young Entrepreneur: Emiliano Favini, Argentina

He introduced: SEMI (Emergency System for Mobile Interdisciplinary). A warning, care, prevention and rescue in emergencies system, based on Information Technology as a complementary tool to the current emergency systems. It offers multiple benefits devoted to constant improvement in the Civil Security department, based on the use of Smartphones and Mobile Applications.

Hello, Emiliano! Was your experience in TICAL positive?

I was delighted to have been chosen by InnovaRed, the academic network of my country, to participate in such an important international event where we met professionals from throughout Latin America and managed, through the Conference, to nourish our SEMI project.

Do you believe that the presentation of your project in TICAL2015 will help to expand its visibility, reach and application?

Definitely. Some doors have been opened to collectively work with institutions and prestigious universities. In these issues of prevention, rescue and assistance in emergencies and civil protection, the collaborative input is a key factor.

Would you recommend other young entrepreneurs to participate in future editions of TICAL?

Totally. I believe that participate in TICAL is an experience that all university entrepreneurs should have.

- Participate in the communities driven by RedCLARA and its partners, with Microsoft vision, updates and expertise in the different technological issues which are addressed in these spaces.
- Promote a generation of innovative teachers that has as a basis for their teaching techniques the technologies of information, to provide improvements in the education of young people.
- Support the development of research and academic activity of educational institutions belonging to the network.

RedCLARA counts on a large number of universities and educational centres connected to each other through the National Research and Education Networks (NRENs) of the 13 countries that forms the association, that required, at their time, a support in infrastructure to enhance some projects and, consequently, the community. Microsoft has implemented plans in Latin America that provided that entrepreneurs can count, today, with small and medium enterprises that are marking difference in its environments.

"For RedCLARA it is very important to contribute to the generation of strong links between the academic and the business sectors in Latin America, especially in the sector of information technologies, as we are convinced that, together, we can build more prosperous societies, fully integrated to the Information Society. So we are very excited about the alliance with Microsoft, an undisputed leader in software and hardware with a demonstrated interest in education and innovation in our region", said Florencio Utreras.

"Microsoft has more than 380,000 business partners around the world; 24,000 directly involved in initiatives of Education, of which 1800 are in Latin America. The synergy between Microsoft and RedCLARA will align the mission that each one has as an organization, with the certainty to get the best common results we now undertake and those we project for the future", concludes Alberto Bustamante.

What are your next steps regarding the initiative presented at the Conference?

To continue with a parallel research and to advance in this project by collaboratibg with the Argentine Malvinas Hall and the Inter-American Open University in order to implement it and thus to collaborate with the emergency medical systems, police, firefighters and civil defense against accidents, incidents and disasters. Everything from the contribution of our knowledge, ITs can help to make a difference in risk situations.

Young Entrepreneur: Arturo Díaz Rosemberg, PUC, Peru

He introduced: VCLASES, an online information and evaluation system that seeks to support educational institutions in improving their teaching evaluation process, allowing the use of evaluation items and offering specific courses for on-line training in educational topics tailored to the needs of teachers.

Hello, Arturo! Was your experience in TICAL positive?

Absolutely. It was brilliant to receive recommendations about the project and to see what points were not clear in the presentation. In addition to the panel itself, it was interesting to see the development of other experiences in the region.

Do you believe that the presentation of your project in TICAL2015 will help to expand its visibility, reach and application?

TICAL is a far-reaching event; the comments received and the opportunities to exchange views are very valuable.

Would you recommend other young entrepreneurs to participate in future editions of TICAL?

Definitely, because this is an experience that goes far beyond the simple presentation of the project.

What are your next steps regarding the initiative presented at the Conference?

We already have a first version working with good results. We are conducting some changes in order to run the official product launch very soon.

Young Entrepreneur: Diego Stevens, Chile

He introduced: Meetcard, an intelligent presentation card, which allows you to access, manage and update your contacts and interact with them.

Hello, Diego! Was your experience in TICAL positive?

Very positive.

Do you believe that the presentation of your project in TICAL2015 will help to expand its visibility, reach and application?

Yes, I think so, as TICAL allows us to enter the international arena, with feedbacks and comments from people who are constantly analysing the market and innovation industry.

Would you recommend other young entrepreneurs to participate in future editions of TICAL?

Absolutely, cause the event allows us to learn about different solutions and activities that are being generated in the Latin American level, which also generates experiences and international contact networks.

What are your next steps regarding the initiative presented at the Conference?

I will contact the Conference participants interested in Meetcard and schedule business meetings.

Young Entrepreneur: Felipe Cecagno, Brazil

He introduced: GT-multipresence: adaptable, scalable and interoperable system for video communication, from mobile devices to 4K devices

Hello, Felipe! Was your experience in TICAL positive?

Very positive. First, it was very interesting and challenging to prepare an "elevator pitch", a quick approach to business, to the multipresence and to present it to the representatives of other companies and the large audience of the event. In addition, the observations made by companies about our product were very good and made us look at our own creation with new eyes with regard to technical aspects and business.

Do you believe that the presentation of your project in TICAL2015 will help to expand its visibility, reach and application?

Absolutely. The presentation at TICAL helped us to increase awareness and visibility of our company and product, and event participants represent the market we seek, which is education.

Would you recommend other young entrepreneurs to participate in future editions of TICAL?

Yes, I would make that recommendation to other young entrepreneurs.

What are your next steps regarding the initiative presented at the Conference?

We sincerely wish to continue working on the technical aspects of the product. However, we are also seeking other companies with which we could establish alliances for the development of the tool and its marketing and sales aspects.

Fostering regional cooperation:

TICAL2015 bet on
inter-institutional projects

For the first time since its first edition, in Panama, in 2011, TICAL Program Committee decided to convene the participation of inter-institutional project leaders in ICT who were seeking regional partners to extend the benefits of their collaboration. There were four initiatives selected to be taken to Viña del Mar. Through the interviews below - in which we asked the same questions to the representatives of each project - we remember and we delve into each of them.

María José López Pourailly

Latin American Catalogue of Software Initiatives

Presented by: Guillermo Diorio, Coordinator of the University Information System - SIU, National Interuniversity Council (Argentina)

Institution involved: National Interuniversity Council

Guillermo, how do you think the project will be benefited thanks to its presentation in TICAL2015?

The Catalogue of Software Solutions operates in Argentina since the year 2011 and includes the participation of over 40 higher education institutions. During all these years of work, with this and other initiatives, we proved that collaboration allows us to build more and better, and that collaborative work and networking enhances the possibilities we have in our institutions.

The aim of the catalogue is to create collaborative links between institutions that allow reusing the resources and efforts made by each university. It is enriched by adding new institutions which will share their semantic developments.

TICAL is consolidating itself as a key meeting place for all those responsible for technology within the universities of our region. And so even the Council of Rectors of Argentina (CIN) wanted to present this proposal to extend the catalogue to all institutions in Latin America. No doubt the place to do that was the Conference, since it allows us to make it known and to well disseminate its possibilities.

Non ascribed institutions have shown interest in adding to the initiative?

Yes. Fortunately the presentation of the catalogue aroused interest among responsible institutions that do not yet participate and who came to us to learn more about the tool. In fact, we already have summed the University of La Habana, Cuba, and the Polytechnic University of Nicaragua, who are taking the first steps in the catalogue. We hope that very soon we will establish new collaborative links with some Argentine universities.

What are the next steps of the project in its development path?

The first step is to continue with the dissemination of our tool within all institutions of our region, so that they know it and then decide to join us. At the same time, we need to define, with the new institutions joining the project, a common semantic of the information that is currently recorded in the catalogue and to make changes as required.

Currently, the catalogue has more than 600 registered solutions, and so far in 2015, already received by the participating institutions an average of nearly 100 monthly visits; the following steps point to continue the growth of the tool, so you get relevant regional level to which we trust that the sponsorship we receive from RedCLARA will help to consolidate this goal.

Proposal to universities in Latin America to incorporate content about technology and Internet governance in their courses using ICT tools

Presented by: Christian O'Flaherty, Regional Development Director Internet Society (Uruguay)

Institutions involved: Internet Society and LACNIC

Christian, how do you think the project will be benefited thanks to its presentation in TICAL2015?

The success of the project to incorporate basic content on the Internet in universities depends on the contributions of experts from our region and on the use of the collected material.

Counting on the support of universities of all countries is required for the project to flourish, ensuring that the format and content are the proper for the classes. The participating universities will be allowed to update the contents of materials and courses related to ICT, and the students will get a regional recognition on its formation in Internet matters.

Non ascribed institutions have shown interest in adding to the initiative?

The fact that we informed the participants of TICAL on the objectives and the available supply allowed to fulfill both objectives of achieving expert volunteers and teachers interested in taking advantage of the content.

What are the next steps of the project in its development path?

Although the content is dynamic and that it updates with the advances in Internet, we already have a critical mass of useful material that teachers can incorporate into their classes. Even those careers that want to incorporate Internet governance issues or trends, already have available material for a course of 30 hours.

We hope to continue incorporating content (in all possible formats) and universities interested in using it. In addition, feedback from teachers who already using it serves us so that we maintain a format suitable to be given to the students.

Semantic Repository of Researchers

Presented by: Víctor Saquicela Galarza, Director of Career Systems, Faculty of Engineering, University of Cuenca (Ecuador)

Institutions involved: University of Cuenca and CEDIA

Victor, how do you think the project will be benefited thanks to its presentation in TICAL2015?

Basically by the fact that representatives of other networks that attended the event had the chance of learning about it and hopefully in the future they may participate in it as active members. The idea of keeping a repository of researchers from the different networks and that across different methods one can detect similar areas of knowledge is a requirement for the creation of proposals for joint projects or the creation of collaborative networks.

Non ascribed institutions have shown interest in adding to the initiative?

Currently the project is fully developed in Ecuador through CEDIA and universities ascribed to it. After the presentation of the project in TICAL, we picked out several representatives of other networks and universities that have shown interest in the initiative and the steps to join it. For the established contacts, we are creating a short and medium term action plan so that they can participate in the project.

What are the next steps of the project in its development path?

The project has developed the first version of its prototype and we are carrying out tests before starting the production. So that new institutions can participate, open access to data of interested institutions is required. We are open to the possibility of having institutions participating individually or grouped in networks.

Creation of academic CSIRTs in Latin America

Presented: Liliana Velásquez Flounder, Security Manager, RNP (Brazil)

Institutions involved: RNP, REUNA and CEDIA

Liliana, how do you think the project will be benefited thanks to its presentation in TICAL2015?

The project's ultimate goal is to boost the establishment and the development of CSIRT - stands for Response Teams Security Incident - in academic and research institutions in Latin America. This is because it is understood that these groups constitute one of the main allies in the process of promoting safety culture and the fight against malicious activity in such institutions, thus contributing to the development of maturity at issue of security.

The success of this project depends largely on the understanding of this message by those institutions and, consequently, of their commitment to this initiative. TICAL2015 allowed us to establish a direct channel with this community, especially sensitizing ICT managers - key players in this process - on the importance and benefits of establishing a CSIRT.

Non ascribed institutions have shown interest in adding to the initiative?

Yes, both by the NRENs (National Research and Education Network), and by its member institutions - universities and research institutes.

On one hand the NRENs understand their leading role in the process of fighting the malicious activity - becoming the focal point of contact for any security incident involving the institutions that interconnects - as its role as a coordinating agent and a key part in the process of dissemination of the safety culture in their country. On the other hand, more and more institutions will become aware of the importance of mature corporate security, understanding that this issue cuts across the organization and should be seen as a process of continuous improvement. In this sense, to count with the support of an expert group on the issue is critical.

What are the next steps of the project in its development path?

The project mainly includes four stages: preparation, convening, pilot and launch. The first stage of preparation of guides, checklists and model for the formation of a CSIRT has been finalized. We have now entered the stage in the notice of the institutions participating in the pilot. This year's edition will be released in the coming weeks, detailing the criteria for participation and selection - in principle we will select three NRENs and three different institutions. A web conference will precede the call to make known major project details to those who could not attend TICAL2015, hence we will be extending the invitation to participate for the entire academic and research community in the region. We count on RedCLARA support for the dissemination of our project.

The voice of the sponsors:

"The experience in TICAL2015 allowed us to understand even better the world of higher education in Chile and Latin America"

An event like TICAL, as well as the entire universe of ICT, is built not only by researchers and directors, but also by certain actors that fulfill key roles in the development of science, research and collaboration worldwide. IT companies are one of them. And as in previous years, we had an outstanding participation of them both in the fair and demonstration sessions, which combining its products and presentations, allowed these companies not only to show their offerings to their target audience, but also to learn from firsthand the needs of higher education institutions in the region. We interviewed representatives of some of them to learn more about their participation in TICAL2015 and its evaluation of the three days of activities in Viña del Mar.

Luiz Alberto Rasseli

Internet Society - Christian O'Flaherty, Senior Development Manager for Latin America and the Caribbean

What product or service did ISOC highlight in TICAL2015 and why?

We highlight the IETF (Internet Engineering Task Force), cause increasing the participation of universities in our region in the IETF allows to influence the future of the Internet. Universities were the first in Internet management and in our region have been pioneers in each country. We must regain that leadership role that universities had a day, actively participating in the IETF working groups, which is where they decide the future services, protocols and standards that the network will use. This will also help to increase the level of our researchers, teachers and students.

How do you evaluate the company's experience in the Conference this year?

It was very positive.

OSI Hardware - Hugo Llamas, Account Executive

What product or service did OSI highlight in TICAL2015 and why?

As a hardware company, we highlight Cisco equipment, Juniper, Brocade and many other manufacturers. All services offered were in perfect condition and were 100% compatible; SFPs for various platforms; switches, routers, modules, cards, phones, SFPs, etc.

How do you evaluate the company's experience in the Conference this year?

I consider that TICAL2015 was marvellous, a very well organized event. We enjoyed the opportunity to connect us with the majority of participants of the event and we could learn a little more about their institutions.

LACNIC - César Díaz, External Relations Officer

What product or service did LACNIC highlight in TICAL2015 and why?

We highlight the need for universities to participate in different areas of discussion on topics related to the evolution of the Internet, be they of technological nature, such as the IETF, or more general, such as LACNIC forums, IGF, etc. We also expressed the importance that universities count on IPv4 and IPv6 resources, and proprietary Autonomous System Numbers (ASN) in order to have a role with greater independence on the Internet and to facilitate the interconnection with other organizations. We encourage universities to join traffic exchange points (IXP), we explain them the benefit of housing them and we also mentioned the possibilities for support of organizations such as LACNIC to these initiatives.

How do you evaluate the company's experience in the Conference this year?

The experience was very positive and we had a lot of feedback from universities. There were many joint work possibilities, both with universities and with RedCLARA as a whole.

Oracle - Keith Rajecki, Senior Director of Solutions for Industry

What product or service did Oracle highlight in TICAL2015 and why?

We highlight the suite of Oracle Student Experience because it allows to solve the problem of lack of customization of student life at the university. Through this way it is possible to take the message of the university to those who meet the sought profile, and make students enjoy their academic experience and university stay; finally, it transform the students in university ambassadors, returning afterwards, for example, to postgraduate programs. The suite of products that we introduced in TICAL includes social networking tools (Oracle SRM), management of cross-channel marketing (Oracle Eloqua) and Self Service attention Portals for the students (Oracle RightNow) and prospect management (Oracle Fusion Sales).

How do you evaluate the company's experience in the Conference this year?

Our experience in TICAL2015 was really enriching. Not only for the remarkable preparation of the event, but also because of the broad participation that allowed us to understand even better the world of higher education in Chile and Latin America. We could observe the different realities and how technologies help improve these university experiences. In this way, we realize that we are going on the right track with our suite Student's experience, since it complies with what our institutions require. It was really a good congress.

Ruckus Wireless - Claudia Camarasa, Regional Sales Manager

What product or service did Ruckus highligh in TICAL2015 and why?

Ruckus Wireless is present at various universities and colleges. We emphasize our wireless solutions capable of supporting a high-density simultaneous devices with excellent performance and no oversight with regard to security and simplicity when it is time of configuring and maintaining the networks.

How do you evaluate the company's experience in the Conference this year?

Overall, it was very good. We had many opportunities to create relationships with customers from different countries.

Alcatel-Lucent - Lucila Calvinato, Marketing Manager for Latin America

What motivated Alcatel-Lucent to participate in TICAL2015?

We were in TICAL because of the opportunity of interacting with leading educational institutions in Latin America, exchanging ideas and learning about the different projects presented. All this allowed us to get an overview of this segment throughout the region to better understand the needs and challenges of universities and what solutions we can, as technology providers, contribute to increasingly contribute so that they offer better services to its students, teachers and employees.

How do you evaluate the company's experience in the Conference this year?

For all the factors mentioned above, I consider that Alcatel-Lucent experience in TICAL2015 was very good.

Microsoft - Gustavo Fridman, Solutions Manager for Higher Education in Latin America and the Caribbean

The edition 2015 of TICAL was special to Microsoft. Why?

For us this TICAL2015 edition was special because it was the perfect occasion to announce that we join as corporate members to RedCLARA in favour of education and entrepreneurship. This announcement confirms that Microsoft is a passionate group for education and offer students, teachers and educational institutions, the best technological tools and skills to enable them to prepare for a better future.

The different presentations of the conference made clear the importance of technology to the educational growth in Latin America.

How do you evaluate the company's experience in the Conference this year?

For Microsoft, being part of TICAL2015 was a very positive experience, in which we note that across the region there are instances and leaders with a strong commitment to transform and provide the youth of Latin America and the Caribbean a better education with technology and new opportunities for learning. We expect to work together with RedCLARA, the National Networks and affiliated institutions, we support and create value initiatives and solutions that contribute to these efforts.

Adobe - Jessica Vasquez, Marketing Manager

In your opinion, what were the highlights of TICAL2015 and why?

It called my attention the student projects, particularly those related to legal issues and digital signatures. It was very interesting and it's a great proposal to streamline processes. In Adobe Systems we know that the digitization of processes is a major competitive advantage for companies that address this issue in its operations.

How do you evaluate the company's experience in the Conference this year?

Undoubtedly, our experience was very enriching. To participate in TICAL always gives us a profound vision of education in Latin America and in 2015 was no different.

AGENDA 2015

September

9-10 | TF-MSP
Esbo, Finland
https://eventr.terena.org/events/2185

10-13 | International Conference on Open Source Software Computing
Amman, Jordan
http://osscom2015.osscom.org/

16-18 | TRANSITS II CSIRT Training
Utrecht, The Netherlands
https://www.terena.org/activities/transits/transits-ii/utrecht/sep15/

17-18 | GENI-FIRE Workshop
Washington, DC, USA
https://eventr.terena.org/events/2225

21-25 | 2015 EUMETSAT Meteorological Satellite Conference
Toulouse, France
http://www.eumetsat.int/website/home/News/ConferencesandEvents/DAT_2305526.html

23-24 | CANARIE National Summit
Ottawa, Canada
http://www.canarie.ca/canarie-national-summit/

24-25 | 46th TF-CSIRT meeting
Tallinn, Estonia
https://www.terena.org/activities/tf-csirt/meeting46/

23-25 | Research Data Alliance (RDA) 6th Plenary Meeting
Paris, France
https://rd-alliance.org/plenary-meetings/rda-sixth-plenary-meeting.html

28-30 | 15th Annual Global LambdaGrid Workshop (GLIF)
Prague, Czech Republic
http://www.glif.is/meetings/2015/

19-23 | eResearch Australasia 2015
Brisbane, Australia
http://conference.eresearch.edu.au/

20-22 | ICT 2015
Lisboa, Portugal
http://ec.europa.eu/digital-agenda/ICT2015

22 | ownCloud connects Science, Research and Education market
Viena, Austria
https://owncloud.com/lp/register_oct15/

28-30 | 2nd "World Internet Conference" (Wuzhen Summit)
Wuzhen, Zhejiang, China
http://en.gmw.cn/node_61210.htm

28-29 | International Conference on Cloud Computing Research and Innovations (ICCCRI 2015)
Singapore
http://www.ngp.org.sg/ICCCRI2015/

October

30sep-2 | The European Workshop on Software Defined Networks (EWSDN 2015)
Bilbao, Spain
http://www.ewsdn.eu/

4-7 | Internet2 Technology Exchange
Cleveland, Ohio, USA
https://meetings.internet2.edu/2015-technology-exchange/

13-14 | 17th TF-Storage
Pisa, Italy
https://www.terena.org/activities/tf-storage/ws19/

19-21 | GEANT Summer School for Developers (SS4D)
Poznan, Poland
https://wiki.geant.org/display/gn41sa4/School4Developers+2015

November

1-6 | 94th IETF Meeting
Yokohama, Japan
http://www.ietf.org/meeting/upcoming.html

3-4 | MPiViT Workshop (AB)
Amsterdam, Netherlands
https://wiki.geant.org/pages/viewpage.action?pageId=47909292

5-6 | MPiViT Workshop (CD)
Amsterdam, Netherlands
https://wiki.geant.org/pages/viewpage.action?pageId=47909292

10-13 | EGI Community Forum
Bari, Italy
http://cf2015.egi.eu/

16-20 | 71st RIPE Meeting
Bucharest, Romania
https://ripe71.ripe.net/

19-20 | UbuntuNet-Connect 2015
Maputo, Mozambique
http://www.ubuntunet.net/uc2015_cfp

24 | TERENA Technical Committee Meeting (TTC)
Amsterdam, Netherlands
https://eventr.terena.org/events/2197

25-26 | TRANSITS I CSIRT Training
Prague, Czech Republic
https://www.terena.org/activities/transits/transits-i/prague/nov15/

25-27 | eChallenges e-2015 Conference
Vilnius, Lithuania
http://www.echallenges.org/e2015/

25-26 | Sixth GÉANT Association General Assembly
Luxembourg
https://eventr.terena.org/events/2147

30-1 | Joint Hub and Spoke, REFEDS, eduGAIN Meeting at EWTI
Viena, Austria
https://eventr.terena.org/events/2188

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