

# DECLARA

Bulletin

Year 13



Chronicle of a global collaboration: the fusion of two neutron stars, a hug of 130 million years

RedCLARA signs agreement for the development of Telemedicine initiatives

VC-CUDI: A collaborative tool for the National Research and Education Networks

RedCLARA's Executive Director visits Latin American advanced networks

CEDIA's CSIRT is recognized by FIRST

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## RedCLARA:

A clear path for your data

We empower your research and developments

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## Editorial

It is not easy to build collectively. It takes a lot of will, conviction, and openness to listen to others and assert their arguments as one's own. To this complexity, add the multiple ways of seeing and understanding the world that our human condition supposes. RedCLARA is an effort of this nature, which testifies what we are capable of achieving when we put our differences aside and concentrate on the common good. A common good that is in continuous evolution and that must be capable of adapting to changes in the interests and needs of its partners and the communities they serve.

At the time of RedCLARA's birth, the common need was connectivity. A connectivity that supposed an important support for the development of science, technology, and education in Latin America. Today, although required, that connectivity is no longer enough, and we have the challenge of expanding its field of action to more extensive areas.

The first line of action involves identifying resources and initiatives of a local nature that can be easily exploited at a regional level, enhancing its impact and broadening its scope. In this way, investment is capitalized, mainly public, in available resources for science, technology, and education. An example of this is the initiative in which we are working to federate

high-performance computing centers. In this way, we give existing connectivity a use that enhances and justifies its reason for being and existing in a public and collective space.

To sustain the capacity to strengthen these local or regional initiatives in Latin America, we need to build a joint capacity for large-scale data management, space on which it will be possible to promote these initiatives in a more efficient and flexible way. On this platform, we can create a set of common tools that optimize the investment of our countries and enhance their impact.

Certainly, it is not easy to build in a collective way, but what is built in this way has a strength and a solidity that it is difficult to break. If today someone asks us where are we going, I would have to answer that we still don't know precisely. That it will depend on the collective design we are making of that future, but that we will surely obtain the best possible results. I invite you to actively contribute to this design because RedCLARA is our common and collective good. RedCLARA is what we all are.



Luis Eliécer Cadenas

RedCLARA's Executive Director

**Do you remember of Cartagena in 2014?**

We are going back! Get ready for TICAL2018 in  
Cartagena de Indias, October.



Strengthening collaboration

# RedCLARA's Executive Director visits Latin American advanced networks

Luiz Alberto Rasseli

Five months of intense work and a daily life that involves airports, check-ins, hotels and the packing and unpacking of luggage. It could be the tour of some singer, but it is the routine of the Executive Director of RedCLARA, the Venezuelan Luis Eliécer Cadenas. Since August 1, 2017, his first day as CLARA's chairman, Cadenas has visited many of the Latin American countries and its respective national networks with a clear goal: to strengthen relations and understand the reality of each of them from close. "These were intense and positive months. For me, it is very important to listen what each of our members is doing and understand its internal work logic. This will make it easier for RedCLARA to contribute to its development", says Cadenas.

Luiz Alberto Rasseli

The Executive Director's turn began in August, with a visit to the Chilean advanced network, REUNA, and continued with visits to RedCEDIA (Ecuador), Renata (Colombia), CUDI (Mexico), RNP (Brazil), InnovaRed (Argentina), RAU (Uruguay) and RAAP (Peru). Along with RAAP, for example, the effort is for the reactivation of the network. In these five months, Cadenas also visited countries that are not yet integrated to RedCLARA, such as Nicaragua, which has already signed an agreement for incorporation, and Bolivia, which, through its Internet Society chapter, signed in the city of La Paz, a Memorandum of Understanding for the development of the national advanced network and its subsequent integration into the regional network.

"We estimate that Bolivia will be incorporated within a peremptory term. We met with the staff of the Ministry of Telecommunications and it is generating awareness that it is necessary for the country to join the world of networks. We are also making progress in the negotiations to incorporate Panama and Honduras, so we hope that in a short time most of the Latin American countries will be members of the regional network".



Carlos Casasús, CUDI's CIO, Mexico, and RedCLARA's Board President, and Luis Eliécer Cadenas, RedCLARA's CIO.

In Mexico, a milestone. Received by Carlos Casasús, the Director of RedCUDI and president of the Council of CLARA, Cadenas celebrated the ratification, by the Mexican Cooperation Agency, of the commitment to finance the construction of fiber rings in the capitals of Central America, that will allow connecting a substantial number of Central American universities to the network and thus significantly increase the cooperation projects between Mexican universities and research centers and Central American universities.

Other conversations established during the last five months include the possibility of agreements with SCALAC (Advanced Computing Service for Latin America and the Caribbean) and RICAP (Ibero-American High-Performance Computing Network) to create a better availability of high-performance resources in the region. "We are trying to make collectively the efforts that each country makes," says Cadenas.

## The importance of the Bella Project

In addition to closer relations, there is another reason for Cadenas travels: strengthen the BELLA project. "This is probably the most important project that we are currently carrying out, due to the impact that the availability of fibers and resources will promote in the region and the change it brings in the structure of costs because it will allow an economy of scale and more sustainability for the academic networks. For this reason, in all visits to our members, we try to spread the benefits of the project and understand how national networks can be allied throughout the development process."

The initiative seeks to establish a Latin American network of high capacity, scalable and with a long-term validity, that allows RedCLARA to guarantee that the academic networks of Latin America have full access to the submarine capacity that the BELLA Project is acquiring through the new submarine cable that will connect Europe and Latin America. This will be achieved by updating and integrating the optical telecommunications infrastructure that RedCLARA has in South America, transforming it into an optical network through the synergy generated among the academic networks of the region, increasing the capillarity and efficiency of the services to said communities.

"We can not talk only about connectivity, it is important that we maintain balance, understanding that BELLA is a critical project for our success as a region, but there is also much to be done. We are already moving forward in the auction processes in search of what we call of terrestrial stretches, the BELLA-T project. We expect much of this to be contracted and implemented until the beginning of 2019 and to advance the process that corresponds to the connection of the submarine cable, another important component for the increase of the capacity."

According to Cadenas, the visits yield many other beneficios, even if intangible. "The most important thing is that we have been able to structure a vision that seeks to find the set of interests of the networks and that becomes much easier if we are close to them. Although we have access to videoconferences and other collaboration tools, nothing replaces a personal encounter".



Celebración de los 15 años de RedCEDIA.

Expanding borders

## RedCLARA signs a Memorandum of Understanding for the development of Bolivia's national academic network

The agreement with the Bolivian Chapter of Internet Society, represented by Roberto Zambrana, will be valid for 24 months from the date of its signing.

Luiz Alberto Rasseli

The Latin American Cooperation of Advanced Networks (RedCLARA) and Internet Society (ISOC), Chapter Bolivia, signed on September 20, in the city of La Paz, a Memorandum of Understanding for the development of Bolivia's advanced national network and its posterior integration to the regional network.

The document, signed by the Executive Director of CLARA, Mr. Luis Eliécer Cadenas, and by the President of the Bolivian Chapter of ISOC, Mr. Roberto Zambrana, starts from the conviction that the citizens of Bolivia must have access to different tools, information services, and applications that contribute to their activities, as well as new communication channels that allow the intensive exchange of information with other communities around the world.

To this end, it establishes that the two institutions must work together and join forces for the desired purpose, as well as carrying out all the actions and necessary steps to articulate and facilitate the coordination with the relevant actors from universities and government entities. CLARA is also prepared to provide technical advice and administrative facilities.

Both parties, in a coordinated manner, can organize conferences, courses, symposia, or academic events, both face-to-face and virtual, seeking to inform the Bolivian academic and scientific community about the evolution of RedCLARA and the advanced national networks in Latin America, in order to establish spaces for interaction and exchange of information. The MoU also defines that CLARA and ISOC Bolivia should jointly explore possible sources of financing for projects that benefit the Bolivian Academic Network and commit the necessary efforts to its concretion.

"Connecting Bolivia is an old desire of RedCLARA and takes into account the long trajectory of international cooperation that has in its patrimony as an entity in charge of promoting the development and articulation of the advanced national networks in the Latin American countries", celebrates Luis Eliécer Cadenas.

The Memorandum of Understanding has no binding effects or exclusivity and therefore does not have the purpose of creating rights and obligations that are enforceable for any of the parties; the term is valid for 24 months from the date of subscription.

Recognition

## Former Director of RedCLARA joins the Internet Hall of Fame

The distinction was granted to Florencio Utreras, in celebration of the 25 years of Internet Society.

Luiz Alberto Rasseli

The former RedCLARA Executive Director, Florencio Utreras, was named to the Internet Hall of Fame. Utreras was honored in the Global Connectors category, which recognizes individuals who have made "significant contributions to the growth, connectivity, and use of the Internet either on a global scale or within a specific region that resulted in global impact."

The 2017 Internet Hall of Fame Ceremony was held in conjunction with the 25th Internet Society anniversary celebrations in a series of events held between September 17-19 on the campus of UCLA. Among other contributions, the award highlighted the leadership of Florencio Utreras in Chile's connection to the BITNET network in 1987 and the Chilean academic network, REUNA.

Another 13 Internet visionaries also received the distinction, among them the Venezuelan Ermanno Pietrosevoli, who led technical education of the Internet in dozens of countries in South America and Africa, and was instrumental in building Universidad de Los Andes' direct connection to the Internet backbone, and the Brazilian Tadao Takahashi, instrumental in the planning and deployment of the Internet in Brazil, and founded and led Brazil's National Research Network.

The Internet Hall of Fame ([www.internethalloffame.org](http://www.internethalloffame.org)) is a recognition program and virtual museum that celebrates the living history of the Internet and the individuals whose extraordinary contributions have made the Internet, its worldwide availability, and use, and its transformative nature, possible. The Internet Hall of Fame was launched by the Internet Society in 2012.

A recording of the Internet Hall of Fame induction ceremony can be seen via Livestream. More details on the 2017 Internet Hall of Fame inductees, including their biographies and photos, can be found at [www.internethalloffame.org](http://www.internethalloffame.org). You can follow the Internet



Hall of Fame on Facebook and on Twitter at @Internet\_HOF (#IHOF2017).

RedCLARA's team congratulates Florencio Utreras for such a great achievement.

The focus of LA Referencia's Meeting:

## Public Goods for Open Science

With the participation of representatives from Chile, Brazil, Mexico, Peru, El Salvador, Colombia, Argentina and Costa Rica, the Directive Council of LA Referencia met from September 27 to 29 in Buenos Aires aiming to generating a strategy to consolidate the network as a public good, highlighting the capacity for articulation and generation of agreements among member countries.

Luiz Alberto Rasseli

On the occasion, the participants agreed that LA Referencia is on an ambitious path to be inserted as a provider of public goods in open science. This is due to the fact that some steps have been taken in this direction, beginning with the construction of the regional network of repositories of open access to science, the open access approach to scientific-technological publications, the short-term challenges related to primary research data, among other aspects.



This has been done within the framework of the Agreements that have been reached, through the representatives of the highest authorities of science and technology of the region (Ministries and ONCYT's) who make up LA Referencia.

The meeting in Buenos Aires also focused on decisions and agreements on the next steps of the regional network, according to the main work areas defined for the meeting: Policy / Institutional, Technology, Guidelines, and Communications.

Among the main decisions of the Board was the decision to promote actions in Open Science. In fact, the meeting of San Luis (Mexico 2016) marked the beginning of LA Referencia's transition from open access to open science. For the network, that is the concept that will mark its action in order to produce Public Goods by the organisms of Science and Technology. In this context, the priority of LA Referencia, apart from publications, will be the scientific data, although it is recognized that Open Science encompasses more aspects. Likewise, this requires to explicit the essential components that will be addressed as public goods for Open Science and that will be used and adapted to the interior of each country.

Another relevant aspect of this meeting of the Council was the organization of working groups in order to deepen the

agreements and streamline initiatives, namely: Technical / Technological, Open Science, Institutional / Sustainability, and Strategic Communication. Some of its tasks are to determine the scope of its work as well as the priorities in the short and medium term.

The following representatives were in the Meeting: Margarita Ontiveros (CONACYT, Mexico), Patricia Muñoz (CONICYT, Chile), Carmen Gloria Labbé (RedCLARA, Uruguay), Andrea Mora (CONARE, Costa Rica), Rosa María Guerrero (Vice Minister of Science and Technology, El Salvador), Isabel Recavarren (Concytec, Peru), Bianca Amaro (IBICT, Brazil), Paola Azrilevich (MINCYT, Argentina), Oscar Gualdrón (COLCIENCIAS, Colombia), Silvia Nakano (MINCYT, Argentina), Alberto Apollaro. (MINCYT, Argentina), Alberto Cabezas B. (Executive Secretary of LA Referencia).

As invitees also participated Kathleen Shearer, Executive Director of COAR, and Eloy Rodrigues, of the University of Minho and President of COAR.

The Minutes of the Meeting, detailing the decisions of the Directing Council, as well as the inaugural speech by Patricia Muñoz Palma, President of LA Referencia, are available for download at <http://bit.ly/2hTXutY>

The role of ICT in higher education:

## RedCLARA organizes debate at the Congress of the Americas on International Education

Held between Oct. 11-13 in Montreal, Canada, the Congress of the Americas on International Education (CAEI) opened the way for the discussion on the role and place of ICT within higher education institutions - a subject that is being worked by RedCLARA during the last years in its TICAL Conference -, by means of a roundtable entitled "The ICT and the Internationalization of the Institutions of Higher Education: opportunities or a latent risk?"

María José López Pourailly

It is a consensus that ICT impacts all areas of the University in a transversal way, but in what way should they be considered in planning and decision making? These and other issues were part of the debate generated at the roundtable, where each speaker shared the particular situation of their institutions and contexts. Former President of the IOHE and current President and Vice-Chancellor of Royal Roads University, the Canadian Allan Cahoom commented that in his institution ICT plays a central role, since the university offers its courses mainly in the online modality, context in which ICT has vital importance, both in supporting the teaching model and in the use of other aspects related to university management.

According to Antonio Fernández, Deputy Chancellor of the Government and Delegate of the Rector for Interaction with Society and Companies of the University of Almería, in Spain, the University puts ICT in a central place. Fernández also confessed that, in the exercise of his function at the ICT Commission of Crue Universidades Españolas, there is a concern and a central view on the use of ICT, both as support for management, as well as in

the fields of education, research, and extension. From Argentina, Ernesto Chinkes, Honorary President of TICAL and General Coordinator of Information and Communications Technologies at the University of Buenos Aires, addressed the situation that is evident in Latin America from the experiences presented in TICAL.

After this contextualization, the debate focused on the importance that ICT should have at the level of university government. The roundtable established that, given the challenges that institutions face today, it is no longer possible to think of ICT only as a tool to support or provide services; rather, they must play a strategic role in supporting the strategic planning of universities. In this way, when we talk about student mobility, internationalization of research, management of data generated by the university, new pedagogical models, just to mention some HEI challenges, ICT must be present in planning, decision making and definitions made by each university.

Carmen Gloria Labbé (moderator of the board and representative of RedCLARA) and David Julien (general secretary of OUI), will work on the development of new activities to favor this



discussion of great importance within HEIs, taking into account the importance of including ICT in instances and activities of higher education institutions in the world, a possibility that was already being discussed by the TICAL community, which at the 2017

Conference in Costa Rica launched the book "Empowering the University of the XXI Century: ICT Solutions to Think Future University", a contribution from the Latin American experience on the subject.

Chronicle of a global collaboration:

## The fusion of two neutron stars, a hug of 130 million years

August 17, 2017: Scientists from all over the world who study the Universe witness and analyze online and live a historical event that will mark a before and after in the way we understand the study and the development of Astronomy. The news is spread all over the globe on October 17. In our homes and offices, going on the public transport or walking around, we watch on TV, mobile devices, and computers the re-creation of a two neutron stars fusion that occurred 130 million years ago in NGC4993, the largest galaxy in the constellation of Hydra. The event was categorized as 'cataclysmic'. The reason for the media and scientific revolution caused by the phenomenon lies in the fact that it was the first of its kind in history to be recorded, seen and listened simultaneously, thanks to telescopes, radio telescopes, gravitational wave detectors and advanced Internet networks - such as RedCLARA and GÉANT, at regional level - that allowed the collaborative work of almost a hundred researchers from all over the world who contributed to the study..

María José López Pourailly



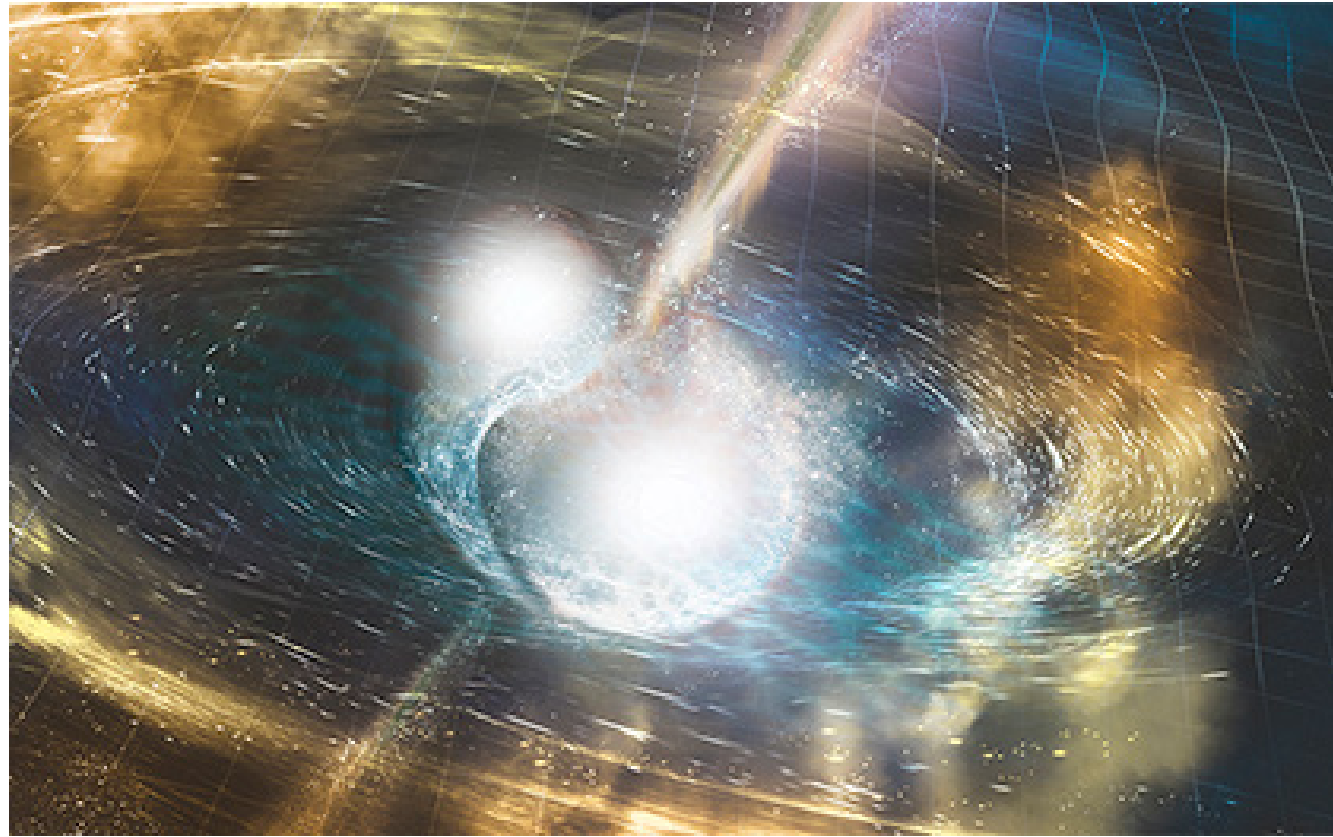


Foto: Ilustración de A.Simmonet, NSF/LIGO/Sonoma State University

But, what really happened on that August 17? At 8:35 a.m., NASA's FERMI space telescope detected a gamma-ray eruption from the elliptical galaxy NG4993 in the constellation of Hydra. The eruption is confirmed by INTEGRAL (International Gamma-Ray Astrophysics Laboratory), from the European Space Agency. Fermi and INTEGRAL are the main operating range observatories at date. The first alert was launched into the scientific world; astronomers, radio astronomers, physicists, and astrophysicists, among others, intensified their work of observation and measurement. "These two measurements gave more precision to the origin of the strong gamma emission and since that moment NGC4993 became the center of attention of all the telescopes in the world, especially those that analyze the sky from the southern hemisphere", wrote in his blog the physicist and Doctor in Science, Luis Nuñez.

360 seconds later, the LIGO Hanford gravitational wave observatory (located in the Columbia River drainage basin in Central Washington, near Tri-Cities, United States) triggered its alarm because of the detection of a new vibration by the laser interferometers; 3,002 kilometers far from there, the same waves were picked up by LIGO's "twin" in Louisiana (LIGO Livingston), and in Pisa, Italy, by the Virgo interferometer. This is the event that will soon be associated with the emission of a gravitational wave produced by the fusion of two neutron stars: a kilonova.

"Is the first time we have recorded this kind of fusion of the denser stellar objects of the Universe. The density of neutron



Luis Nuñez

stars is equivalent to concentrating the entire mass of the Earth on a sphere of 2km diameter, not 12,000 miles, as our planet has. Neutron stars concentrate the entire mass of the sun in a sphere of 12 km; are smaller than the extent of many cities on the continent. A 'spoonful' of this material would concentrate the entire mass of the Mount Everest", points out Nuñez in his blog.

What happens after these six minutes and the mentioned warnings are narrated by Nuñez: "Ten hours after the merge detected by LIGO, the Observatory of Las Campanas, located in the Atacama Desert, in northern Chile, detects a visible light at the indicated location. Then, the Las Cumbres Observatory's global network of telescopes confirms that there is a signal close to NGC4993, and in the Space, the SWIFT and Hubble satellites detect an ultraviolet emission. At sunset on August 18, a new search in the southern sky begins, and VISTA (Visible and Infrared Telescope for Astronomy), an impressive 4.1m-diameter reflector telescope at the Paranal Observatory in Chile, also records an event located in the same region, close to NGC4993 and that remains in the sky that night. Dozens of telescopes in Chile competed to record the phenomenon in a scant hour before it was hidden on the horizon."

The experience at the Cerro Tololo Inter American Observatory, in La Serena, Chile, is counted as follows by the supporting astronomer Kathy Vivas: "Coordinated work was vital not to waste resources and to get the most out of the event. Advanced Internet networks played a key role in this context: the images obtained in Chile were being analyzed in real time by different groups around the world."

4500 researchers, 70 observatories, 40 countries, all united through advanced Internet networks - Chile observatories are connected by REUNA and RedCLARA, as in all Latin America; LIGO is connected by Internet2, Virgo by GÉANT, among other participating networks around the world - in the analysis of a phenomenon not only attended, registered and measured for the first time in history but also heard (<https://halley.uis.edu.co/aire/la-ultima-danza/>). A phenomenon that, as explained by the physicist Enrique Zas, the Pierre Auger



Kathy Vivas





Enrique Zas

Observatory's representative in Spain, changed the astronomical observation in a definitive way. "All of these combined observations are a unique and unprecedented source of information that allows us to delve deeper into our studies of these cataclysmic phenomena in an exceptional way, and thus entail enormous strides in science. For now, we have confirmed that the origin of at least part of the short bursts of gamma rays is due to the collision of neutron stars, something that until now was only a hypothesis. This data is collected in an article published on October 16 in the Astrophysical Journal Letters, by the collaboration of all these observatories including the Pierre Auger Observatory. It is a gigantic joint effort of many experiments, involving astronomy, astrophysics, particle physics and the new field of gravitational

waves giving rise to an exceptional discovery. Undoubtedly, it marks the beginning of a new form of observation that some have already begun to call "multimessenger astronomy."

VC-CUDI:

## A collaborative tool for the National Research and Education Networks

Once again the collaboration between the networks has demonstrated the force of technology in research, education, and dissemination of science.

Martha Ávila, CUDI

During 2017, several successful cases were presented among the National Research and Education Networks (RNIE), many results of the collaborative work, the good disposition among the participants and the use of the VC-CUDI platform. Over ten months, 325 international meetings were held through the VC-CUDI videoconference system, with 3289 connections that meant 661 hours of active sessions. There were also 48 sessions of live transmission by YouTube connected to the VC-CUDI system, which represents more than 95 hours of video that up to September 2017 totaled 11587 views.

Another organization that benefited from VC-CUDI services was the Chilean National Research and Education Network, REUNA, which used the service primarily to conduct streaming sessions via Facebook and YouTube. "This collaboration service was very well received and used by REUNA. It allowed us to stream live content through social networks and generate a wider range of views. This means that the information has started flowing faster and that more users can now access it, even without knowing the event being transmitted", celebrates the REUNA Services Assistant, Beatriz Contreras.

Delma Rodríguez, director of Anilla Cultural Latinoamérica-Europa in Uruguay shared her experience with the use of the system. "In Uruguay, we have used VC-CUDI for many years with excellent results. We have managed to generate very interesting synergies between different technical working groups at international level, with multiple interconnected rooms, exchange of interactive content, simultaneous interpretation in several languages, interoperability between different systems and platforms, expansion of broadcasts on various social networks, etc."

### VC-CUDI accessibility and compatibility

Some of the features mentioned above have resulted in many benefits, both in specific Anilla projects and in joint ventures with CUDI, especially in terms of accelerating and optimizing processes, along with the gestation of new collaboration projects. For example, in the MuRe project, several technical and content developments carried out on the VC-CUDI platform are being used as input to apply in another way at the 1st International Colloquium on e-Science and e-Art to be organized by RedCLARA. The platform was also the place where other networks organized by Anilla Cultural were created and developed, such as the "Friends of CERN Network", the "SusInGI Community" on Internet Governance, or the newly formed "Performing Arts and Advanced Networks".

Las Salas Virtuales del sistema de videoconferencia VC-CUDI, pThe Virtual Rooms of the videoconferencing system allow users to connect through Advanced Networks and the Internet. VC-CUDI is also compatible with CODEC's, computers, phones, and tablets. They can also connect to sessions platforms such as Webex, Scopia, Enterprise Skype, ACANO, and Vidyo, to name a few. Users can share their desktop through Google Chrome, Firefox, and PEXIP application. According to Beatriz Contreras, VC-CUDI is easily accessible and compatible with REUNA's videoconferencing systems. "The tool is compatible with our own systems, such as the MCU (H323 equipment only) and PLAZA, a platform similar to VC-CUDI."

"The VC-CUDI system is excellent, not only for the tool itself but for the human-technical team, from both CUDI and other networks, who are attentive to find new solutions with the tools they have. This is the true meaning of a collaborative culture around a common good", comments Delma Rodríguez before completing. "Often collaboration is seen in one direction only, to solve a particular problem that appears in a specific institution or place. Of course, this is very good and it is always helpful, but we can also think of collaborating to create new things; and not



with a 'collaborate to learn and then I go alone' attitude, but to maintain a collaborative dynamic that enhances networking".

"Thanks to the collaboration of the academic networks, it was possible to broaden the approach of our work with the community. In this way, users can compromise and take advantage of the advantages that the networks offer. Lately, I

have met many multicultural groups that come together through the videoconference service using different academic networks, which allowed them to approach and eliminate boundaries to advance in topics related to research, education, among others. As our CEO, Paola Arellano, would say, it is necessary to 'collaborate' to move forward", concludes Beatriz Contreras.

## CEDIA's CSIRT is recognized by FIRST

Our Computer Security Incident Response Team – CSIRT was recognized by the Forum of Incident Response and Security Teams – FIRST, a leading organization in response to security-related incidents.

Galia Rivas Toral, RedCEDIA



The CEDIA CSIRT is a security incident response team that receives, reviews and responds to reports and activities, and was recognized after a difficult process of evaluation and management. CSIRT-CEDIA is now the second full member of FIRST in Ecuador.

FIRST, in turn, brings together several response centers at international level, creating a community of alert members to prevent and face risk situations; among its main functions is the cooperative management of computer security incidents and the promotion of prevention programs.

In addition, this non-profit organization seeks to foster the development, sharing of information, tools, methodologies and best practices. The promotion of safer electronic environments is a key part of FIRST's mission.

### How does it work?

The CSIRT's work is to preemptively review member networks to detect vulnerabilities in its systems and prevent them from being attacked and affected. In this context, RedCEDIA receives information on computer security incidents that occur in the networks of its members, creating and maintaining a system for receiving, processing and sending alerts to institutions; it coordinates, in addition, the communication with other CSIRTs of the country and abroad, since the CSIRT of CEDIA is recognized internationally.

It also creates a knowledge base with suggestions and troubleshooting procedures and thus prepares documentation for the safe installation of its servers.

## Benefits

It improves the quality of the traffic in the networks of the member institutions of RedCEDIA, as well as the security of the same, with the decrease of security incidents caused by configuration failures. The goal is to strengthen the networks and servers of institutions to make them more resistant to attack.

# RedCLARA signs agreement for the development of Telemedicine initiatives

The objective of the Memorandum of Understanding with SOS Telemedicina, of Venezuela, is to allow access and use of medical training resources in the region through the RedCLARA member networks and to lay the foundations to extend and develop Telemedicine initiatives.

Luiz Alberto Rasseli

Represented by its Executive Director Luis Eliécer Cadenas, the Latin American Cooperation of Advanced Networks, RedCLARA, signed on November 28 a Memorandum of Understanding with SOS Telemedicina, a community of the Faculty of Medicine of the Central University of Venezuela that maintains an active group of work that performs continuous medical education through the internet.

Currently, SOS Telemedicina maintains close to 500 high-resolution videos, which can be used by medical communities for ongoing training. Due to the great reception and demand of the offered contents, the community faces technological and management challenges, such as good connectivity, the scalability of the systems, redundancy and technical service. In addition, it needs better diffusion and management of the community.

In this context, the parties will place at the disposal of the regional academic community the contents of the courses and other educational materials developed by the SOS Telemedicina community on the infrastructure provided for this purpose by RedCLARA, so that it can be accessed and used by academics and students from the health field of institutions connected to the National Network partners of the regional network.

RedCLARA will also provide advice and support to the integration of the SOS Telemedicina platform to identify federations, will actively support regional extension and dissemination of training content through mechanisms such as virtual days and connection with entities, communities or peer organizations and is willing to design a high availability architecture with two virtual servers that allow redundancy and scalability for future growth.



The Memorandum of Understanding began its validity as of the date of signature and lasts for one year; It is already available for consultation and download.

For more information on the work of SOS Telemedicina, visit <http://telemedicina.ucv.ve>.

# AGENDA - 2018

## January

17 | UKNOF 39  
London, England  
<https://indico.uknof.org/event/41/>

23 - 25 | Up2U Techno-Pedagogical Workshop and Launch Event  
Athens, Greece  
<https://wiki.geant.org/display/UP2U/Up2U+TechnoPedagogical+Workshop+and+Launch+Event>

23 - 25 | EUDAT Conference - Putting the EOSC vision into practice  
Porto, Portugal  
<https://www.eudat.eu/events/conferences/save-the-date-eudat-conference-putting-the-eosc-vision-into-practice>

## February

3 - 4 | Fosdem  
Brussels, Belgium  
<https://fosdem.org/2018/>

5 - 7 | 53rd TF-CSIRT and FIRST Regional Symposium for Europe  
Hamburg, Germany  
<https://tf-csirt.org/tf-csirt/meetings/>

7 - 8 | Trust and Internet Identity Meeting Europe (TIIME)  
Vienna, Austria  
<https://tiimeworkshop.eu/wwwTiimeworkshopEu/>

12 - 13 | 6th SIG-ISM Workshop  
Madrid, Spain  
<https://eventr.geant.org/events/2814>

19 - 28 | APRICOT2018  
Kathmandu, Nepal  
<https://2018.apricot.net/>

26 - 28 | Big Science Business Forum  
Copenhagen, Sweden  
<https://bsbf2018.org>

## March

6 - 7 | Peering Days 2018  
Berlin, Germany  
<https://www.peeringdays.eu>

15 - 16 | WACREN 2018 Conference  
Lomé, Togo  
<https://indico.wacren.net/event/59/>

17 - 23 | IETF 101  
London, England  
<https://ietf.org/meeting/101/index.html>

25 - 29 | 45th APAN Meeting  
Singapore  
<https://apan.net/allmeetings>

26 - 29 | SCAsia (Super Computing Asia) 2018  
Sentosa, Singapore  
<https://sc-asia.org/>

27 - 28 | Networkshop 46  
Liverpool, England  
<https://www.jisc.ac.uk/events/networkshop46-27-mar-2018>



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