



Annual
Report
2009

10 Years Contributing towards Internet
Development in the Region

Annual Report 2009



Vision

“To lead a space for building and articulating initiatives for Internet development and stability in Latin America and the Caribbean.”

Mission

To administrate Internet numbering resources and contribute to the creation of collaboration and cooperation opportunities that will benefit the regional Internet community, committed to:

- The quality of our services
- Constantly perfecting an impartial, participative and transparent self-regulation model in cooperation with the other regional Internet registries
 - Promoting the participation of all stakeholders in the organization's processes
 - Adopting and promoting technological advancements and standards within the industry
 - Strengthening the relationships with the main Internet stakeholders within the region
 - Developing regional capabilities through training and the dissemination of Internet-related technology

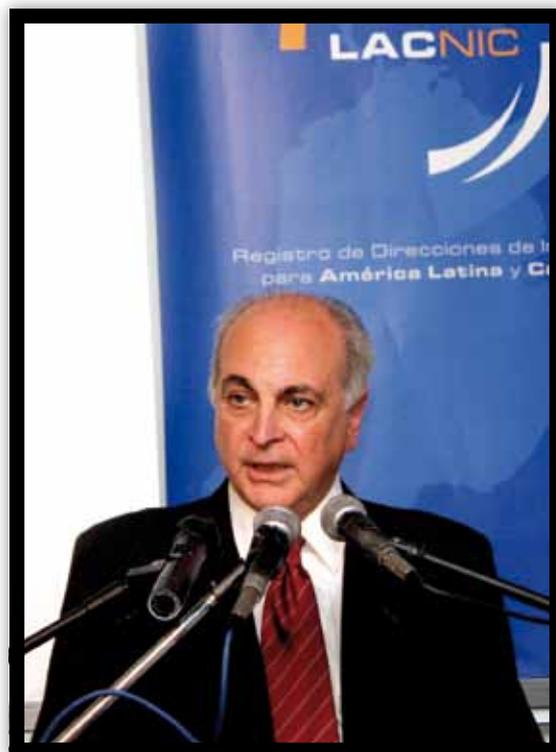
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10 Years

Contributing towards Internet Development in the Region



Internet is like a high-velocity train that barely allows any respite. However, these mandatory annual pauses have taught us to cast a retrospective look and realize the progress achieved in promoting the Internet within Latin America and the Caribbean. They have also forced us to reflect on the immediate future, and on the need to include as many stakeholders as possible to join us on the route traveled by that nearly imperceptible train that traverses the region from one end to the other.

Almost a decade after a small group of men and women first devised its creation, for LACNIC this has been a year of consolidations. Today, it is not possible for anyone in Latin America and the Caribbean to envision the administration of Internet resources without this organization, whose members are scattered all over the continent.

We have helped to promote the Information Society in the remotest corners of Latin America and the Caribbean regardless of the size of the communities involved, and have guaranteed the allocation of the resources required for the growth of the World Wide Web. But, first and foremost, last year we accelerated the transition process towards IPv6. It is no longer a matter of predicting the imminent depletion of the Internet resources under the IPv4 platform: we now know some precise dates. Therefore, the awareness process initiated some time ago through workshops and training courses has now made way to the effective deployment of IPv6 technology to allow facing the challenges posed by the new environments.

As a result of our constant articulation efforts aimed at improving direct Internet access for users and providers in all the communities of the continent, we succeeded in installing the first root server in the Caribbean (St. Maarten). This copy of the F root server – the sixth copy deployed in the region –

represents a notable improvement of Internet access for users in the Caribbean, as had previously been the case with the servers installed in Chile, Argentina, Venezuela, Panama and Ecuador.

Our unwavering determination to remain close to the community and expand its participation in all of LACNIC's decisions has also prompted us to implement some internal changes. Seeking a more representative composition of the Board of Directors, our organization decided to increase the number of Directors from six to seven. We believe that this change will allow greater diversity in the Board of Directors and the addition of new voices and perspectives on the future of this organization, one that last year already exceeded 1,100 members.

Our representatives' active role at international Internet Governance discussion forums has paved the way for the appointment of LACNIC members to international organizations such as the Internet Society (ISOC), from where we have promoted the vision that integration must be a principle behind the development of the Internet.

The creation of the Outstanding Achievement Award has also given us the opportunity to recognize and honor the significant contributions of prominent figures without whom in the early days it would not have been possible for the Internet to become a reality in Latin America and the Caribbean. The first edition of the Award was bestowed to Ida Holz, but there are of course other pioneers as notable as she who will certainly receive their recognition in future editions.

We invite you to retrace with us the progress that our organization has achieved this past year in keeping with its unceasing efforts to articulate the interests of the Internet in our region.

An Efficient, Participative Model Built Bottom-Up by the Community

LACNIC's Board of Directors

LACNIC is managed and administered by a Board of Directors whose members are elected annually by the members through an electronic voting process. Candidates may or not be LACNIC members, but all members can participate in the election.



From left to right: Hartmut Glaser, Oscar Messano, Javier Salazar, Oscar Robles, Carlos Neira and Fábio Marinho

During 2009, LACNIC's Board of Directors was made up as follows:

Name	Position	Country of Residence	Term ends in
Oscar Messano	President	Argentina	December 2011
Fábio Marinho	Vice President	Brazil	December 2010
Oscar Robles	Secretary	Mexico	December 2011
Javier Salazar	Deputy Secretary	Mexico	December 2010
Hartmut Glaser	Treasurer	Brazil	December 2009
Carlos Neira	Deputy Treasurer	Colombia	December 2009
Raúl Echeberría	Executive Director	Uruguay	

LACNIC's Executive Director participates in Board meetings with rights equal to those of a director, except for the right to vote.

In May 2009, LACNIC's Member Assembly approved raising the number of Board members from six to seven. Consequently, during the 2009 election, in addition to renewing the positions vacated by Hartmut Glaser and Carlos Neira, a new director was added. As of 1st January 2010, these are the new members of the Board of Directors: Rafael Ibarra (El Salvador) and Alejandro Guzmán (Colombia). Hartmut Glaser was reelected to his position for an additional three-year period beginning in January 2010.

Fiscal Commission



Gabriel Adonylo, Adriana Ibarra and Cassio Vecchiatti

LACNIC's Fiscal Commission is an independent body charged with overseeing the operation of the organization and the actions of the Board of Directors. It is made up by three members elected by LACNIC's Member Assembly who serve a three-year term. During 2009, LACNIC's Fiscal Commission was made up as follows:

Name	Country of Residence	Term ends in
Cassio Vecchiatti	Brazil	2010
Gabriel Adonaylo	Argentina	2011
Adriana Ibarra	Mexico	2012

Electoral Commission

This independent body is in charge of organizing elections and is made up by three members elected by LACNIC's Member Assembly. It's members serve a three-year term. During 2009, LACNIC's Electoral Commission was made up as follows:

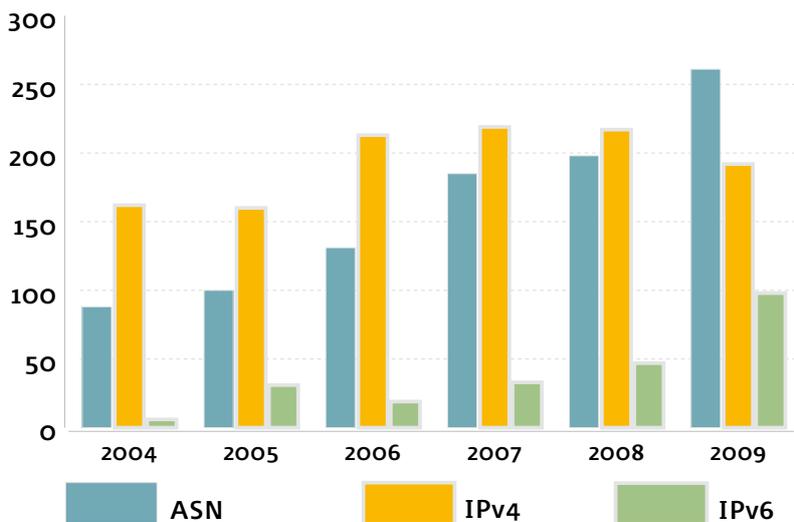
Name	Country of Residence	Term ends in
José Enrique Díaz	Mexico	2010
Fermín Uribe-Echeverría	Chile	2011
Jorge Raúl Cabañas	Paraguay	2012

Growth in Numbers

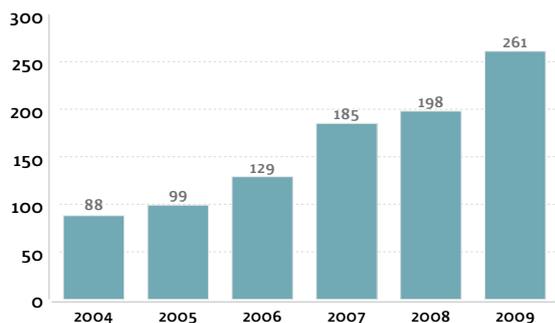
In 2009, Internet resource allocation continued to grow at a significant pace. Of particular notice was the growth of the number of IPv6 address and Autonomous System Number (ASN) allocations.

On the other hand, although the number of IPv4 allocations did not exhibit growth, it did not decrease significantly in relation to the previous year nor in relation to the average calculated for the past five years, which was 40 thousand /24 blocks.

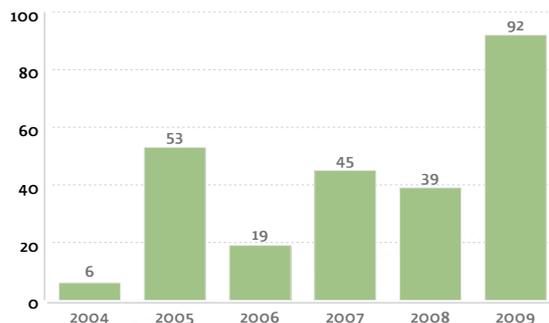
Number of allocations



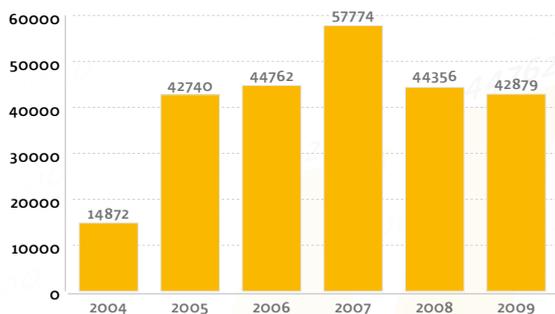
Number of ASN allocations



Number of IPv6 addresses allocated



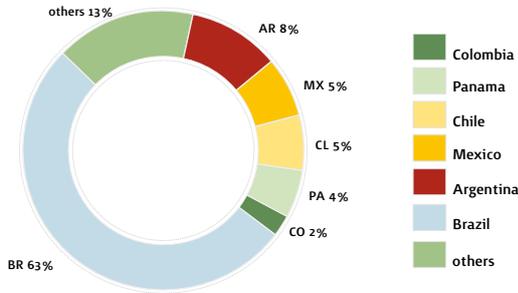
Number of IPv4 addresses allocated



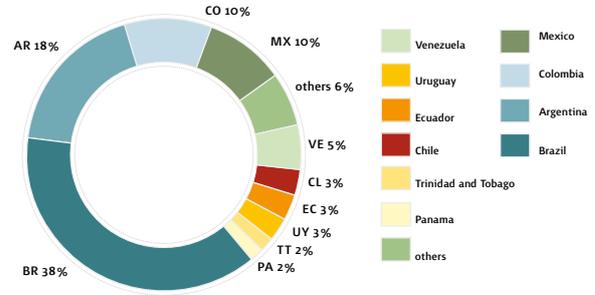
Internet resources distribution in 2009

The flowing charts show the distribution of the total number of resources assigned during 2009 by country.

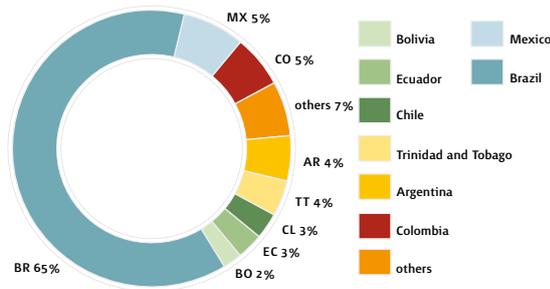
ASN distribution



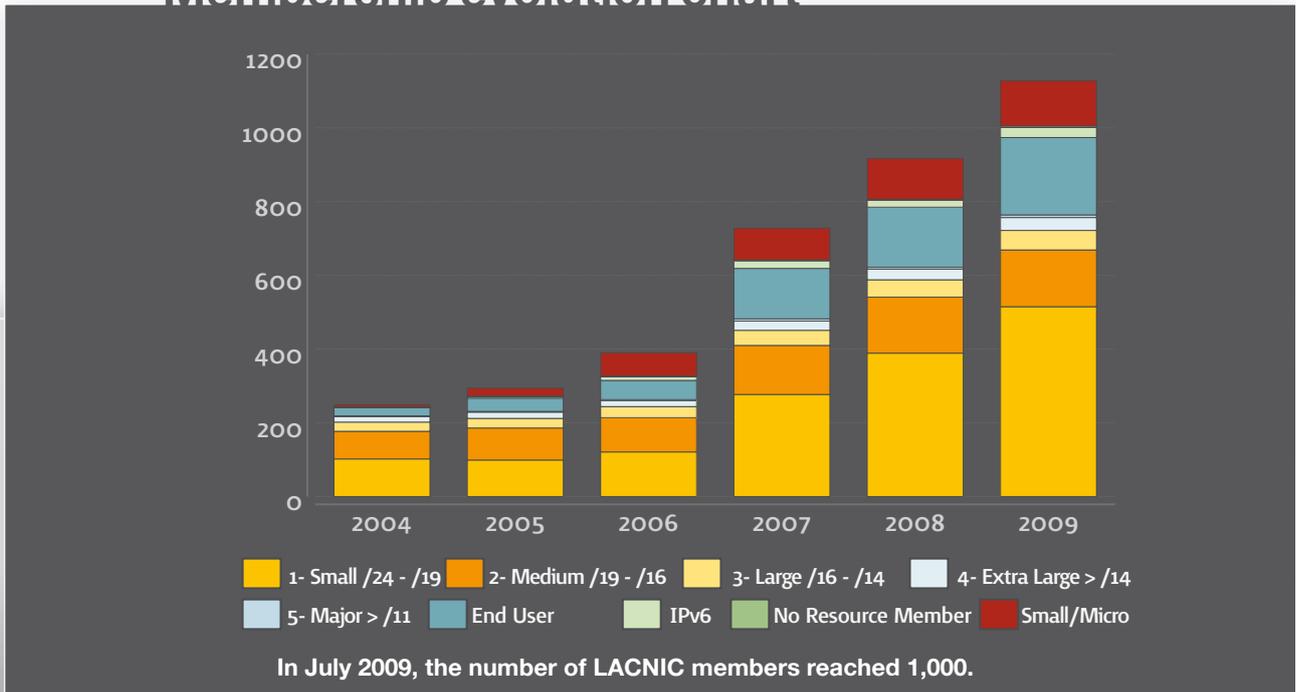
IPv4 distribution



IPv6 distribution



Membership evolution chart



Committed to Internet Development

LACNIC undertakes a set of actions to promote networking spaces for the different stakeholders involved in Internet development. These actions include LACNIC's annual event, regional meetings (LACNIC in the Caribbean), workshops to provide training on IPv6 and other technologies, the Security and Interconnection forums, among other many other endeavors for which LACNIC is the vehicle that allows bringing together the efforts of all the actors that work to support and promote Internet development within our region.



LACNICXII

24/29 MAYO 2009 CIUDAD DE PANAMÁ - PANAMÁ

Hosted by the Technological University of Panama, the LACNIC XII event was held in Panama City between 24 May and 29 May, 2009. The meeting was attended by 305 participants from 40 different countries, both from the LACNIC region as well as from other parts of the world.

Participants included representatives from different sectors such as governments, academia, ISPs, NAP and ccTLD operators, content providers, international carriers, Regional Internet Registries, ICANN, and civil society.

Simultaneous interpretation in three languages (Spanish, English and Portuguese) was provided for all plenary sessions, which were also broadcast via webcast. Remote participation using the means that were provided to that end was significant.



The following are the most important activities that took place during the event:

Tutorials

Seven tutorials were held starting on Sunday 24 May. The material presented during these workshops is available on the event's website at the following addresses:

IPv6: Introduction and Configuration

http://www.lacnic.net/en/eventos/lacnicxii/tut_introIPv6.html

IPv6: Planning its Deployment

http://www.lacnic.net/en/eventos/lacnicxii/tut_planificacion.html



IPv6 Tutorial

IPv6 in the Last Mile

http://www.lacnic.net/en/eventos/lacnicxii/tut_ultimamilla.html

LACNIC Registration System

http://www.lacnic.net/en/eventos/lacnicxii/tut_registro.html

Interconnection and Peering

http://www.lacnic.net/en/eventos/lacnicxii/tut_interconexion.html

CSIRT Creation and Management

http://www.lacnic.net/en/eventos/lacnicxii/tut_csirt.html

BGP: Introduction and Traffic Engineering

http://www.lacnic.net/en/eventos/lacnicxii/tut_bgpintro.html

Sponsorship Program

Through its Sponsorship Program, LACNIC provided financial support to numerous members of the regional Internet community so that they could attend this event.

- 183 applications
- 31 sponsored attendants
- 16 LAC countries
- Sectors: ISPs, academic networks, governments, civil society
- Total amount: USD 23,000

NAPLA 2009



Regional Interconnection Forum, NAPLA 2009

This forum dealt with technical issues, and projects were presented by representatives of many of the region's NAPs. Ten regional NAPs participated in the panel on "How to scale an IX in our region". Presentation files are available at:

<http://www.lacnic.net/en/eventos/lacnicxii/napla2009.html>

Simon Project

The project that was presented was the result of an initiative by representatives of the regional community interested in interconnection issues. This project, which will be headed by LACNIC, will allow measuring connection delays between different countries of the region and the traffic among them, as well as identifying where traffic is headed.

4th Network Security Event

The event included presentations and a Panel on CSIRT Creation and Management with the participation of numerous representatives of CSIRTs of our region.

LACNIC announced that execution of the AMPARO Project – which is being promoted with the support of the IDRC – would begin in July 2009. The project aims at providing training and promoting the creation of Computer Security Incident Response Teams (CSIRTs) in the region of Latin America and the Caribbean, with the purpose of increasing the region's ability to prevent computer security incidents and respond effectively when they occur.

All presentations made during this forum are available at:

<http://www.lacnic.net/en/eventos/lacnicxii/seguridadredes2009.html>



Informative session for LACNIC XII sponsored attendants

+RAICES Project



Within the framework of this project, an agreement was signed between LACNIC and OCIX (Open Caribbean Internet Exchange) which will soon allow a copy of the F root server to be installed in St. Maarten, the first such copy in the Caribbean.



Raúl Echeberría and Eldert Louisa - Signing the agreement between LACNIC and OCIX for the installation of an F root server copy in Sint Maarten.

Public Policy Forum

During the Public Policy Forum, which was moderated by Eldert Louisa and Francisco Arias, six of the nine policy proposals that were presented were approved. These then moved on to the last call for comments period on the discussion list. As no objections were received, they were later ratified by LACNIC's Board of Directors as specified by the Policy Development Process (PDP). The following policies were approved:

LAC-2009-01

Global policy proposal for the allocation of IPv4 blocks to Regional Internet Registries

LAC-2009-02

IPv6 Allocations to ISPs or LIRs with previous IPv4 allocations

LAC-2009-03

ASPLAIN notation for 32-bit ASNs

LAC-2009-05

Allocation of 16-bit only ASNs

LAC-2009-06

Resource recovery

LAC-2009-07

Modification of the minimum initial IPv4 allocation size for ISPs to a /22

These policies are available at the following address:

<http://www.lacnic.net/en/eventos/lacnicxii/foropublico2009.html>

RPKI

LACNIC presented its work plan for the implementation of the resource certification project (RPKI).

Latin American IPv6 Forum, FLIP 6

An annual report was presented describing the Forum's activities, as well as several presentations describing different experiences in the use of IPv6:

<http://www.lacnic.net/en/eventos/lacnicxii/flip62009.html>

LACNIC Annual Member Assembly

During the assembly, the annual report, balance sheets and external auditor's reports as at December 2008 were approved by unanimous vote.

The modification of articles 20 and 31 of LACNIC's bylaws was approved, thus increasing the number of members of the organization's Board of Directors from six to seven.



LACNIC Annual Member Assembly

In addition, a new membership structure was approved which considers joint IPv4 and IPv6 address block allocations.

Likewise, new members of the Fiscal and Electoral Commissions were elected. The winning candidates elected to these positions were Ms. Adriana Ibarra Vázquez (Mexico) and Mr. Jorge Raúl Cabañas Acevedo (Paraguay), respectively.

Details of the documents discussed during the Assembly are available on LACNIC'S website:

<http://www.lacnic.net/pt/eventos/lacnicxii/asamblea.html>

Committed to Internet Development



Sebastián Bellagamba was re-elected as LACNIC region representative to the ASO Address Council (ASO AC/NRO NC) beginning on January 1st 2010.



Nicolás Antoniello was elected co-chair of LACNIC's Public Policy Forum and took over the position from interim co-chair Eldert Louisa.



In May 2009, LACNIC's Member Assembly reelected Adriana Ibarra to her position in the Fiscal Commission for an additional three-year term.



In 2009, LACNIC's Member assembly elected Jorge Raúl Cabañas to occupy the position left vacant by Rodolfo Fariello in the Electoral Commission, who ended his term in 2009.



IPv6 Experiment

The experiment proposed by DS-Lite and supported by Comcast was conducted successfully. During this experiment, 50 participants simulated a post-IPv4 exhaustion working environment. The experiment was well received and considered as good as previous experiences presented in LACNIC meetings.

Meeting of the LAC Region Governments

Summoned by LACNIC, representatives of the region's governments met for the first time and agreed to create a working group within the LACNIC environment in order to facilitate communication among the region's governments and LACNIC regarding the administration of Internet resources within the region. Representatives of ten different countries participated in this meeting.

Law Enforcement

Law enforcement officers and government representatives from different countries of the region met with the aim of improving the knowledge that law enforcement agencies in those countries have in relation to cybercrime and the proper use of public address registration information (WHOIS).

Non-Spanish Speaking Caribbean Meeting

Thirteen attendants from non-Spanish speaking Caribbean countries participated in the meeting summoned by LACNIC with the aim of better understanding their needs, their view of LACNIC meetings, and how to improve the participation of the Caribbean community in LACNIC's activities in general.

As is already traditional, other regional organizations such as LACTLD, eComLAC, and the Internet Society held their annual meetings within the framework of LACNIC's annual event.



The Network Information Center - Panama, NIC-Panama, is the organization in charge of administrating the top level domain .PA since 1994. NIC-Panama is sponsored and administrated by the Technological University of Panama – Panama's top level government academic institution for scientific and technological education – whose mission is to provide integral education and training of the highest level to human resources that will generate, transform, project, and transfer science and technology in order to encourage, promote and strengthen Panama's technological, economic, social and cultural development.

LACNIC would like to extend its gratitude to all of the event's sponsors that made possible the meeting:



LACNIC CARIBBEAN²

16/17 JULY 2009 PORT OF SPAIN, TRINIDAD AND TOBAGO

The second LACNIC Caribbean meeting was held in Port of Spain, Trinidad and Tobago, on 16-17 July 2009. This event was attended by over 70 participants from 17 countries of the region. The meeting was preceded by the 25th Annual Conference and Trade Exhibition of CANTO (the Caribbean Association of National Telecommunication Organizations), in which LACNIC also participated through a stand in the exhibition area.

The goal of the LACNIC CARIBBEAN 2 meeting was to foster Caribbean participation in LACNIC's main working areas, as well as to provide a forum for the discussion of security-related issues and Internet policies in the region.

One of the two technical workshops that were conducted dealt with the adoption of IPv6 and included, among others, presentations on experiences relating to the implementation of IPv6 in the Caribbean, IPv6 in the last mile, depletion of IPv4, and transition to IPv6. The second technical workshop focused on the subject of Internet exchange points (IXPs) and included discussions on the importance of increasing the presence of IXPs in the Caribbean.

On the second day, institutional presentations were delivered about LACNIC and its main activities, touching on topics such as the Policy Development Process (PDP) for the allocation of Internet resources, how to apply for resources, projects for regional strengthening, participation mechanisms, and discussion forums, among others. Two projects developed by LACNIC were presented: the AMPARO Project (Strengthening of the Regional Security Incident Response Capabilities of Latin America and the Caribbean) and the Resource Certification project (RPKI).

The meeting concluded with a report on Caribbean participation at LACNIC XII presented by Caribbean representatives who had attended LACNIC's annual event in Panama in the month of May.



LACNIC Continues Promoting IPv6 Adoption

Since 2005, LACNIC has worked tirelessly with the aim of preparing the region for the adoption of the new IPv6 protocol. During these years LACNIC has provided different types of IPv6 training to more than 5,000 people within the region of Latin America and the Caribbean. These activities have allowed approximately 1,500 people to receive hands-on training. This means that the human resources needed for the transition to IPv6 and IPv6 deployment are already available.

IPv6 Tour



During 2009, LACNIC continued the IPv6 Tour activities, travelling to 10 different cities within the region. A total of 879 people participated in the one- or two-day training workshops that were held at these locations. These workshops had the local support of both government and private organizations as well as academia, and were technically and financially supported by the 6Deploy project.



In 2009 the 6Deploy project completed its second year of execution, having funded eleven training workshops in ten countries of our region (see next page). 6Deploy is a program launched by a consortium made up mostly by European organizations, but also by AfriNIC and LACNIC. It has allowed exchanging information and experiences, as well as organizing training workshops for the region's network operators.

IPv6 Deployment in Critical Infrastructure

One of the goals that LACNIC has attempted to promote with the aim of achieving effective IPv6 deployment is to make all the region's infrastructure resources reachable through IPv6. Thus, during 2008 two technical guides were prepared for deploying IPv6 at Internet exchange points (IXPs) and ccTLDs.

In pursuit of this goal, in 2009 different operators were contacted and, together with LACTLD, work was done to identify the limitations that existed for all Internet exchange points and ccTLDs to be accessible through IPv6.

In addition, it was attempted that the six copies of the F Root Server installed within the Framework of the +RAICES project, as well as the others that exist within the region, could resolve IPv6 queries.

As a result of this, 20 country code top-level domain administrators (ccTLD) can now resolve domains using IPv6, while Internet exchange points (IXP/NAP) from 6 countries already have IPv6 support, including the three located in the Caribbean (AHTIC, OC-IX, CAR-IX). Likewise, three of the six installed copies of the F Root Server have IPv6 support.

All of this means that in 2009 the region has made significant progress in the deployment of IPv6, laying the foundations for achieving the 1/1/11 goal on which LACNIC will continue to work on during 2010.

ICT Roadshow

The CTU (Caribbean Telecommunication Union), in cooperation with LACNIC and other regional organizations, has developed a program aimed at educating and demonstrating ICTs' power of transformation and innovation. The program – which is called ICT Roadshow – traveled around many countries of the Caribbean region during 2009, and will continue to do so in 2010. It was designed to promote the spirit of innovation for the development of practical solutions based on ICTs, as well as to create awareness and encourage the harmonization of efforts for the adoption of these solutions in benefit of inclusive economic and social development.

29/01/2009**Santo Domingo, Dominican Republic****89 participants****Local organizer:**PUCMM (Catholic University)
Sponsored by Terremark**15-16/10/2009****Belize City, Belize****30 participants****Local organizer:**

PUC (Public Utilities Commission)

12-13/10/2009**Managua, Nicaragua****46 participants****Local organizer:**

NIC Nicaragua

21-25/09/2009**Bogotá, Colombia (WALC)****150 participants****Local organizer:**

Eslared, with the support of Renata, Universidad Javeriana de Bogotá and Colnodo, and sponsored by LACNIC

11-12/05/2009**Lima, Peru****94 participants****Local organizer:**

ONGEI (National Electronic Government and I.T. Bureau) and INICTEL-UNI

08/07/2009 and 07-08/09/2009**Quito, Ecuador****76 participants****Local organizer:**

AEPROVI

14-15/05/2009**La Paz, Bolivia****60 participants****Local organizer:**

ADSIB (Agency for Information Development in Bolivia)

09-10/09/2009**Santa Cruz, Bolivia****52 participants****Local organizer:**

UPSC (Private University of Santa Cruz) and ADSIB

08/05/2009 and 11/09/2009**Asunción, Paraguay****82 participants****Local organizer:**

Civil Cabinet of the Paraguayan Presidency

16/07/2009**Port of Spain, Trinidad and Tobago****70 participants****Local organizer:**

CANTO

15-16/10/2009**Panama City, Panama****130 participants****Local organizer:**

UTP (Technological University of Panama)

In Contact with the Local Community

With the purpose of involving the local community more deeply in its processes, in 2009 LACNIC carried out additional activities to supplement those of its usual calendar. These additional activities were coordinated together with the IPv6 Tour workshops. The scope of these meetings included in-depth discussions on issues of interest to the community, such as the regional and global administration of Internet resources, how to request and obtain resources, and LACNIC's Policy Development Process (PDP). Also discussed were the importance of adopting IPv6 and its implications and benefits in terms of national and regional competitiveness. During the round table discussions which were held at some of these meetings, participating local organizations shared and discussed their IPv6-related experiences and implementation plans.

With the referred purpose in mind, a tour of the following cities of South and Central America took place from May through October, in combination with the IPv6 Tour: Asuncion, Lima, La Paz, Santa Cruz, Quito, Managua and Belize, with significant participation of delegates from government and academic networks, ISPs, banks, NGOs and data centers.

In August 2009, LACNIC attended a seminar on "Implementing the IPv6 Protocol in Colombia", organized by the local government. The goal of this meeting was to create awareness on the need to adopt this protocol, thus prompting a discussion and assessment of the relevant strategies and policies to be followed by academia, government and industry. During this event, presentations were delivered by major hardware manufacturers, software developers, providers, and academic and government networks. LACNIC delivered a presentation highlighting its concern over the depletion of IPv4 addresses, stressing the importance of an early adoption of the IPv6 protocol and the policies for accessing these resources.

Extensible Provisioning Protocol (EPP)

During 2009, work was carried out with the aim of updating the systems and implementing the protocol for exchanging information with LACNIC's Internet resource administration system. The main purpose of this system is to allow LACNIC members to send resource assignment information automatically and not through the web, as is currently the case. With this system, LACNIC members who wish to do so and have internal Systems for Internet resource administration will be able to integrate their communications interface with LACNIC's system. Documentation and development libraries will be made available, as well as training on the protocol and how to use the interface. The next step will be to develop an interface for communications between the NIRs and LACNIC, also using EPP (Extensible Provisioning Protocol).

WALC 2009 – 12th Latin American and Caribbean Workshop on Internet Technology Networks

This meeting was held in Bogota, Colombia, on 21-25 September 2009, and was organized by EsLaRed, Renata (National Academic Network for Advanced Technology), the Pontificia Universidad Javeriana of Bogotá, and Colnodo. The workshop was attended by over 150 participants from 15 countries within the region.

These workshops aim at satisfying the training needs of technical experts and professionals of Latin America and the Caribbean in the field of ICTs, with special emphasis on project organization and

management, the latest developments of wireless technologies, voice over IP, and network management.

Within the framework of this event, in addition to its supporting role as sponsor, LACNIC delivered institutional presentations and reported on its strategic projects under development, such as the Resource Certification project (RPKI) and the AMPARO project. LACNIC also participated in the discussions on IPv6 implementation, advanced routing, and computer security, among other topics.

II IGF Regional Preparatory Meeting

The second regional preparatory meeting for the Internet Governance Forum (IGF), organized by LACNIC, APC and RITS, was held in Rio de Janeiro, Brazil, on 11-13 August 2009.

The event was attended by over 120 participants from Latin America and the Caribbean, including delegates from all sectors of the regional Internet community: business sector 15%, academia 19%, national and international NGOs 49%, and government sector 17%.

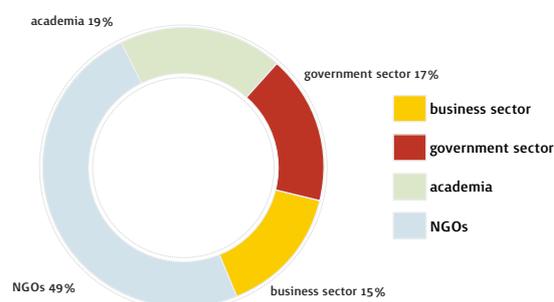
The meeting included sessions with different panels who dealt with topics related to Internet Governance Forum issues, identifying the nature and the regional challenges posed by each of these issues.

During the session on Access, each country described their outlook on public policies or initiatives that will contribute towards the universalization of Internet access. Special focus was placed on aspects such as the capacity building and the role of the Internet as a valuable tool in terms of social and economic development. The challenge of achieving access with adequate infrastructure to provide affordable connectivity was also discussed.

Other topics included initiatives such as NAPs, which contribute to optimize regional and national traffic, as well as the universalization of broadband, the harmonization of regulatory practices, and the need for an appropriate legislation to ensure an effective universalization. As to the matter of local content, it was concluded that national strategies are needed to produce local content capable of adding value to access and connectivity policies, so that the Internet can truly become an effective means of social inclusion.

The session on Privacy highlighted the need for harmonizing the legal and regulatory systems of the various countries. Focus was

120
participants from Latin America
and the Caribbean



placed on granting rights to individual users and ensuring their privacy, as well as on the need to train stakeholders on the issue of privacy.

The discussion of Critical Internet Resources focused on the governance of DNS, domain names, IP addresses and root server structure. This debate reached the conclusion that resources must be unique and globally coordinated.

The discussions of the Openness and Security panel centered on the need to strike the right balance between legal requirements and freedom of expression. Later on, during the Multilingualism and Accessibility session, the Internet was referenced as a relevant tool for human development.

Second LACNIC Consultation Meeting

Simultaneously with the IGF preparatory meeting, the Second LACNIC Consultation Meeting was held on August 11. Reports were presented on the progress of the following projects: FRIDA (Regional Fund for Digital Innovation in Latin America and the Caribbean), +RAICES (Project for the installation of F root server copies in the LACNIC region) and RPKI (Resource Certification for the Improvement of Inter-Domain Routing). The launching of the AMPARO project – a new initiative, regional in scope,

that addresses Internet security issues – was also announced at this meeting. Likewise, the policies for Internet resources administration which are currently under discussion in the LACNIC region were outlined in detail, and an updated status report was presented on the consumption of IPv4 addresses and the transition to IPv6.

Small Steps and Major Achievements

10 Years Since LACNIC's Foundation



by Raúl Echeberría

Looking back on the road that has been travelled, in historical terms, a year in the life of an organization seems to be a very short period of time. But, in the case of young organizations devoted to the promotion of an ever-changing and dynamic reality such as the Internet, a year is more than enough time for small steps to represent great achievements. Reviewing all that was done during 2009, we cannot but note that LACNIC is seeing results that are in line with its vision of "leading the construction and articulation of collaborative efforts for Internet development and stability in Latin America and the Caribbean."

Continuous Improvement. This has been a year of new consensus and the incorporation of new actors into the discussions on the present and future of the Internet in Latin America and the Caribbean. Thus, the creation of the Government Working Group (GWG) opened a communication channel that has allowed strengthening the participation of a

group of stakeholders who, although already present in LACNIC activities, had not been provided with an appropriate space for cooperation. The creation of this working group has broadened the vision of the members of our community and academic networks, incorporating strong interaction with governments, involving all stakeholders in an Internet administration model based on the principles of objectivity, participation, and complete self-regulation.

This Working Group, made up by representatives of 21 countries of Latin America and the Caribbean, met twice during 2009 (in Panama and Rio de Janeiro). It has served as a specialized communication channel for discussing different issues using the same language, based on direct experiences, and for understanding the concerns, ideas and anxieties of the region's governments regarding the administration of Internet resources in Latin America and the Caribbean.



Edmundo Vitale (Venezuela)

EsLaRed, WALC

LACNIC has been constantly working to promote scientific, technical and social advancement in Latin America and the Caribbean, through significant contributions to the promotion of information technologies within the region. Examples of this work are its active participation in, and organization of, training events such as the WALCs, the planning of technical workshops for advanced Latin American networks, as well as its contribution to research and technology

transfer development activities through the FRIDA program.

The impact of these ten years has been significant, both in terms of quantity and quality. This impact is most notable in terms of the training of human resources and the contribution to the development of the countries that are part of our region as, indeed, initiatives involving ICTs are starting to be used for solving social and technological problems in the public and private sectors of the region.

Carlos Afonso (Brazil)

Information Network for the Third Sector (RITS)

As a result of a three-year effort on the part of individuals and entities interested in setting up regional internet governance bodies, in October 2002 ICANN finally approved the creation of a regional registry for Latin America and the Caribbean. LACNIC has now completed a ten-year cycle of substantial contribution to the operation and definition of policies for the distribution of IP

numbers in a transparent and effectively plural manner, thus becoming an international referent.

Today every region has its own registry, all of which jointly make up the NRO (Number Resource Organization), whose autonomy in policy matters has been favorably influenced by models of open governance such as LACNIC's.





Valeria Betancourt (Ecuador)

APC (Association for the Progress of Communications)

LACNIC is without doubt a key player in the regional and global scenario of the Information Society and Internet development. Its proactive participation in events such as the World Summit of the Information Society, eLAC and

the Internet Governance Forum has provided APC with valuable opportunities to strengthen its relationship with LACNIC. We share their belief on the need for an increased involvement of Latin American governments, civil society and the private sector in regional and global ICT policy development processes to support actions that will leverage the Internet's potential for building fair and democratic societies. In this sense, we have deployed collaborative efforts in the promotion of spaces for multisectorial political dialogue in Latin America as a means of identifying and analyzing

the major priorities and challenges posed by Internet development within the region.

Through its knowledge and high-level experience and its willingness to work in a transparent and active manner with civil society organizations such as APC, LACNIC has made a substantial contribution to the configuration of this dialogue.

Ariel Graizer (Argentina)

President of CABASE (Argentine Chamber of Data Bases and On-Line Services)

For all the Argentine companies dedicated to providing connectivity services, housing, hosting, e-commerce, content development and other value-added services, LACNIC has been and continues to be an essential channel that enables us to participate in the definition of policies and procedures for our region, in our own language, and with our own culture as medium and goal.

CABASE's mission is the development of the Internet in Argentina, and as such the organization was responsible first for the creation and then,

currently, for the operation of the NAP as well as for other activities aimed at reaching our objective. "As an Argentine Business Chamber and as members of LACNIC, we are very proud to support the Latin American and Caribbean community in the development of projects that will contribute to the growth of the Internet in our region. We shall continue to contribute ideas, work, resources, and our people as an essential part of the integration process."



The new strategic planning exercise we completed in 2009 has allowed us to confirm the driving ideas behind our organization – summarized in our Vision and Mission – as well as to identify new priorities, new challenges, that will have to be met during the three years ahead. This second strategic analysis we conducted supports our decision to further our customer-oriented vision, strengthening existing ties through new and improved services that will provide answers to customer needs and constantly increase the quality of our services. Another essential task that was decided is to continue to support the development of regional capabilities that will allow responding to the challenges that may arise, advancing our relationships with all stakeholders in an open participation model as customary.

A Better Network Built by All. 2009 was marked by many significant events that highlight the maturity of our region, one where all stakeholders are working from their own environments towards a common objective. LACNIC has played a key role in this, promoting initiatives, providing information, and helping others so that they, in turn, can make their contributions. IPv6 deployment is an example of this, an area in which years of efforts are beginning to show major results and in which considerable progress was made during 2009. Concrete progress was achieved, as evidenced by the meetings held in ten different countries with hundreds of participants, greater involvement of all regional stakeholders, Internet exchange points, ccTLDs, and root server copies with IPv6. There are now Internet exchange points in five different countries of our region, including three in

the Caribbean, and all of them are reachable via IPv6. Another example is the +RAICES project: this year the sixth copy of the F Root Server was installed – the first copy to be installed in the Caribbean (Sint Maarten) – and it has had IPv6 support from the moment of its installation.

These are important signals that demonstrate the concern of private operators, governments, civil society, and the community as a whole, and an example of the multistakeholder cooperation models promoted by the World Summit on the Information Society to which LACNIC is fully committed.

Closer to Our Community. This challenge, which has practically been a constant since we took our first steps, is achieving firmer foundations each year. During 2009, LACNIC made significant efforts to be involved in the forums of other organizations, in regional discussions, in intergovernmental meetings, in a permanent quest for spaces that would bring the organization closer to its community. These efforts have materialized in meetings such as the one organized in Trinidad and Tobago for our Caribbean members and the Second Preparatory Meeting for the Internet Governance Forum which was held this year in Rio de Janeiro.

In the first paragraph we spoke of the value that a year in the life of an organization dedicated to the dynamic and ever-changing world of the Internet usually has. Well, a decade has gone by since, in 1999, a group of visionaries signed the agreement that

Eldert Louisa (Sint Maarten, Netherlands Antilles) SMITCOMS CTO

Although SMITCOMS (a TelEm Group subsidiary) has now been a member of LACNIC for over four years, we only became actively involved with this organization during the past two years, after realizing the value-added contribution that LACNIC brings to our company.

As members of the Caribbean region, we find ourselves always falling behind with respect to the industry's technological advancements. On the other hand, as a telecommunications operator, our company used to consider LACNIC solely as an Internet Address Registry from where IP addresses and Autonomous System Numbers (ASN) could be obtained. After becoming more closely involved with the organization,

we have come to realize that LACNIC is by far much more than a mere Address Registry. Through LACNIC, our organization was able to gain valuable knowledge from many wonderful networking experiences and to benefit from the financing opportunities offered by LACNIC to its members.

We are proud to be a part of LACNIC. This has been for us an unforgettable learning experience, and we know that LACNIC can only get better. We expect to continue receiving its ongoing support to continue improving as a company in the world of IP addresses and, above all, to achieve the objective of connecting the Caribbean region to the digital world.



Clovis Batista Executive Secretary of CITELOAS

For several years, LACNIC has been cooperating with the members of CITELO (the Inter-American Telecommunication Commission), maintaining a constant exchange of information, knowledge, and best practices relating to the technical and regulatory aspects of the Internet. This has been a great contribution for members of the public and private sectors involved in Internet development and has served as support when making informed decisions which, in turn, has contributed to telecommunications development in the Americas.

made the creation of a registry exclusively for Latin America and the Caribbean a reality – an organization that would serve the Internet needs of the region from the point of view of the unique reality posed by its rich and diverse community. Nothing has been easy, but the experience has been very gratifying.

During this entire time the goal has been to build a regional Internet registry that could provide more and better services to its entire community. This has meant significant individual and collective efforts and continuous learning since the initial milestone was laid in the city of Santiago, Chile, in 1999. Immense learning and investment, creating the necessary capabilities, training the necessary technicians, and incorporating technology in order to prove to the international community that the region was capable of doing this. The community has invested a total of more than US\$ 11 million to make this reality possible, a reality that ten years ago seemed no more than a Utopia.

This pioneering vision has come true step by step, thanks to the efforts that everyone has made during these past ten years, the results of which are in plain sight. Articulation and capacity building efforts allow LACNIC to advance on solid ground, reflecting the peculiarities of our region and the general principles of Internet organizations, based on the direct interests of our community.



Armando Jipsion (Panama) Technological University of Panama/NIC Panama

LACNIC has placed Latin America and the Caribbean on the global Internet map. This has led to us being globally recognized and consulted by other organizations regarding the present and future status of the Internet. LACNIC has succeeded in integrating the region, something that was lacking before this organization existed. At present, we are all aware of the issues being discussed in other forums and of important decisions made at regional as well as at international level. The LACNIC XII event held in our country catapulted us to prominence and served to make the different Internet service providers aware of the impending changes. We hope that LACNIC's importance will continue to grow, both regionally and internationally, and that this added value extends to its members, thus strengthening the Internet in our countries.

Strengthening the Network

GWG (LAC Governments Working Group)

On 25 May 2009, on occasion of the XII LACNIC annual meeting in Panama City, a task group was formed with government delegates from 10 countries of Latin America and the Caribbean. This initiative was aimed at facilitating communications between LACNIC and the region's governments on topics related to our organization's actions and processes, with special emphasis on matters regarding the region's Internet numbering resources and Internet governance.

The group is made up by government officials representing different organizations, such as telecommunications regulators, foreign affairs and communications ministries, and other related government bodies.

The group met for the second time on August 2009 in Rio de Janeiro, on occasion of the Pre-IGF meeting, and new members joined the group at that time. At present, the group has 52 members representing 21 of the region's governments: Argentina, Netherlands Antilles, Brazil, Bolivia, Belize, Chile, Colombia, Costa Rica, Cuba, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama, Peru, Paraguay, Dominican Republic, Uruguay and Venezuela.



GWG - LACNIC XII Panama, May 2009

From the time of the GWG's creation, its members have agreed to work jointly with LACNIC in the promotion and implementation of the new IPv6 protocol across the region. During both of the Group's meetings, information was provided regarding the international discussions that are taking place in relation to the allocation of IPv6 addresses. Also, a status report was provided on the transition from IPv4 to IPv6 in the region. This Group offers a forum for governments to exchange experiences and report progress on their IPv6 implementation plans, both at national and regional level.

Participation in CITEI

In cooperation with CITEI's processes, during the XIV Meeting of the Permanent Consultative Committee I of the Inter-American Telecommunication Commission (CITEI CCP.I), held on 5-8 May in Cusco, Peru, LACNIC reported on the consumption of IPv4 addresses and the transition to IPv6. In addition, LACNIC presented an update on the global status of IPv4 addresses and their imminent depletion, as well as a report on the deployment of the new v6 Internet protocol and the challenges confronting its incipient implementation in Latin America and the Caribbean.

LACNIC also presented a document on the implementation of IPv6 at an Internet Exchange Point (IXP or NAP), which contained general guidelines on the impact of IPv6 on an IXP based on global operating experiences.

Another of the documents that were presented dealt with resource certification architecture for the improvement of the Internet routing security. This document describes IP address allocation certification on the part of Regional Internet Registries (RIRs), and the possibility that each ISP will become a certifying authority.

Multistakeholder relationships

On April 24, LACNIC hosted a video conference presentation aimed at government officials of the Caribbean, having considered that this was a convenient channel to deliver information to that particular audience. This video conference was a CITEI initiative supported by the Caribbean Telecommunication Union (CTU).

Seminar on Infrastructure and Regional Interconnection – 28 September 2009, San Carlos de Bariloche, Argentina

Organized by LACNIC and CITEI within the framework of the XV Meeting of the CCP.I, this seminar was attended by industry specialists who presented their views, analyzed the successful experiences in the region, and provided a detailed report on the evolution of Internet architecture since its origins in the 70s up to the present time.

The seminar raised the challenge of exploring the different elements associated with infrastructure development and peering. The diversity of the different stakeholders involved was discussed, and their respective roles as well as their impact on Internet traffic and access conditions were debated. The areas with potential for improvement and in which significant impact

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Seminar on Infrastructure and Regional Interconnection – September 2009, San Carlos de Bariloche, Argentina

can be achieved were duly identified in order to facilitate the interaction of all relevant stakeholders and enable them to make positive contributions to the debates conducted by the different governments on these issues.

The seminar concluded with a round-table discussion and subsequent debate, in which government representatives from Argentina, Brazil and the Dominican Republic participated. The panel reviewed the actions undertaken by each of the countries involved, as well as the activities on interconnection issues occurring at a sub-regional level, such as Mercosur activities.

The seminar was attended by more than 60 participants, representing the governments of Argentina, Brazil, Canada, Colombia, Ecuador, El Salvador, United States, Guatemala, Mexico, Paraguay, Peru, Dominican Republic, representatives of international and regional organizations, and CITELE members.

eLAC Regional Plan follow-up and support

In 2009 the Ministerial Plan for the development of the Information Society, eLAC, resumed its activities with a view to the upcoming 2010 revision. Two follow-up meetings (May and December) were held in Santiago de Chile, where LACNIC participated providing information (Infrastructure Goal) and taking part in the discussions on the Plan's progress.

At the December meeting, in its capacity as manager of the FRIDA Program, LACNIC announced the FRIDA/eLAC2010 Award, a program aimed at rewarding those specific projects that positively contribute to the advancement of the regional goals. This initiative was approved by all the other FRIDA partners – IDRC of Canada and the Internet Society (ISOC) – as well as by the ECLAC itself and the eLAC Secretariat. The awards ceremony will take place at the upcoming eLAC meeting to be held in Lima, Peru, during the second half of 2010.

Other actions

As part of its commitment to multistakeholder participation, and in furtherance of its policy of informing and cooperating with all related organizations, during 2009 LACNIC participated in numerous technical forums, both private and intergovernmental.

10th AHCNET Forum on Regulation

This forum was held in the city of Montevideo, Uruguay, on 12-13 May, and attended by a highly qualified audience comprising government officials and regulators of the region. LACNIC presented a report on its work regarding Internet address administration in the region, a detailed account of its most significant actions and, in particular, information on the outlook for, and the deployment of, the IPv6 protocol.

XII REGULATEL-AHCNET Summit

This summit was held in the city of Medellin, Colombia, on 9-10 July 2009, and was a meeting point for regulators and operators of the telecommunications industry. LACNIC participated in the regulators panel: "Regulatory Challenges and the Global Crisis", where a debate was held on "Internet Governance and the Global Crisis: A Possible Parallel? Regulation, Policies and International Cooperation".

During the debate, materials were presented describing the IP address allocation model, relevant policies, current status of IPv4 addresses, the adoption of IPv6, and promotional actions that will result in a sound and less traumatic transition to IPv6 within the region.

ITU Forum

On 7 July 2009, in Quito, Ecuador, LACNIC participated in the forum organized by the ITU (International Telecommunication Union) on the implementation of the decisions of the World Telecommunication Standardization Assembly (WTSA-08). LACNIC contributed to the debate on IPv6 deployment through the presentation delivered by its CEO, Mr. Raúl Echeberria.

XXXVII Ordinary Meeting of the MERCOSUR Thematic Commission on Public Telecommunications Services

This meeting took place on 23-25 November 2009 in the city of Montevideo, Uruguay, and was attended by delegations from Argentina, Brazil, Paraguay and Uruguay. LACNIC participated in this meeting, where information was shared on the progress achieved in the development agenda and the challenges of managing IP resources in Latin America and the Caribbean.

Outstanding Achievement Award

The Outstanding Achievement Award was created as a result of LACNIC's mission to promote and articulate collaborative efforts in the region and as part of its commitment to the development of the Internet and the Information Society in our region. The award honors those individuals who have contributed permanently and significantly to the development of the Internet and the Information Society in the region of Latin America and the Caribbean.

The first edition of the Outstanding Achievement Award (2009) was presented to Mrs. Ida Holz, Head of the Central I.T. Service of the University of the Republic of Uruguay, who the judging panel recognized for her continuous contribution to the development of ICTs in Latin America during the past twenty years. The relevance of her work was commended not only for the concrete results she has achieved but also for the example she has set for the entire regional community.

The judging panel also decided to award an honorary mention to researcher Mrs. Amy Mahan in recognition of her contribution to the development of the Internet, just a few months after her passing.



Ida Holz, endowed with the Outstanding Achievement Award 2009

Contest for Journalists: "Internet Governance in the Press"



Igor Ribeiro, prizewinner of the Contest for Journalists 2009, Oscar Messano, President of LACNIC Board of Directors

Another LACNIC initiative designed to advance Internet development in Latin America and the Caribbean was the creation of the Contest for Journalists, the aim of which is to encourage the media and communication professionals to research, develop and disseminate issues, news and information that will contribute to better promote the Internet in Latin America and the Caribbean.

The award to the best journalistic piece of 2009 was granted to Igor Ribeiro (Brazil), co-author of the piece titled "Brasil.tec". The prize was presented during the LACNIC XII event in Panama City by Oscar Messano, President of LACNIC's Board of Directors.

The piece titled "EnREDando" presented by Carlos Flores and Verónica Salgado (Ecuador) was awarded the second prize, consisting of a Recognition by LACNIC.

Regional Cooperation Initiatives



FRIDA Program

The FRIDA Program is an initiative of LACNIC supported by the International Development Research Center (IDRC) and the Internet Society (ISOC). Since 2004, this program offers financial support in the form of small grants to research projects in the field of Information and Communication Technologies (ICT) in the Latin American and Caribbean region.



2009 Summons

98 proposals

14 countries (Argentina; Bolivia; Brazil; Chile; Colombia; Costa Rica; Ecuador; El Salvador; Honduras; Mexico; Peru; Dominican Republic; Uruguay and Venezuela).

Project leaders: 55% male, 45% female

9 selected projects: Argentina, Chile, Colombia, Costa Rica, Ecuador, Mexico, Venezuela and Brazil.

Topics:

- Developing and exploring new technologies (2)
- Digital access and inclusion (2)
- Electronic government (1)
- Knowledge and capacity building (4)

Total amount to be received by these projects: USD 127,500.

57 Since 2004, FRIDA has supported 57 projects

1st FRIDA Meeting: “Research on Information and Communication Technologies and Public Policies in Latin America and the Caribbean”

More than 70 participants from 10 different Latin American and Caribbean countries met in Montevideo, Uruguay, on 22 and 23 April for the first FRIDA Program meeting. The purpose of this meeting was to strengthen regional capabilities in the field of ICTs and their impact on the development of public policies for solving issues that are limiting the development of the Information Society within the region.

In addition, the most important actions undertaken by the FRIDA Program since its creation in 2004 were reviewed with the purpose of generating interest in the academic community in attendance so that they would broaden and improve the quality of the proposals submitted in response to future summons.

The meeting was organized as a series of presentations, workshops and round tables. The workshops covered issues that are of interest to the ICT researcher community, including the following:

- How researches can have an impact in the preparation of public policies.
- How to prepare research proposals.
- How to procure funding for research initiatives.
- How to communicate research results.

The round tables provided an excellent opportunity for presenting successful experiences of research projects funded by the FRIDA Program. The purpose of these activities was to highlight good practices and also to generate networking opportunities for the region's investigators.

<http://www.programafrida.net>



AMPARO Project

During 2009 LACNIC began a new project: the AMPARO Project. The aim of this project is to strengthen regional capability for security incident response in Latin America and the Caribbean. AMPARO is a LACNIC initiative supported by the International Development Research Center (IDRC) of Canada. The main activities anticipated for this project include the development of original and freely available content, to be used for training professionals within the region on the creation and administration of Internet Security Incident Response Teams (CSIRT). Once the materials are created, a series of training workshops will be held for experts throughout the region.

This project was officially launched in May, during the LACNIC XII event in Panama, and its website is available in three languages. A call for research projects in the field of Information Security was summoned. This summons ended in December 2009, and through it a selection committee made up by regional experts selected five initiatives submitted by researchers from Argentina, Chile, Uruguay and Ecuador.

2009 also witnessed the selection and hiring of the group of regional experts that will work on developing the materials that will be used as the base for the regional training workshops that will be conducted in different countries of our region in 2010.

<http://www.proyectoamparo.net/>

+Raices - First Root Server Installed in the Caribbean



LACNIC has been running the +RAICES project since 2004, and has already promoted the installation of six anycast copies of the F Root Server managed by the Internet System Consortium (ISC) within the region.

During 2009, a root server copy was installed in the Caribbean for the first time. The installation was completed in the island of Sint Maartin, Netherlands Antilles; thus, this region was integrated into global infrastructure and consequently has gained in terms of the security, reliability and response speed of its networks.

In this case, the host organization was the Open Caribbean Internet Exchange Point (OC-IX), which was launched simultaneously with the deployment of the root server copy. Since its installation it has had IPv6 support.

Simon Project

The issue of regional interconnection has been a cause for concern and discussion for several years, both within the government sector as well as within the private sector and academia. Thus, NAPLA, the region's NAP forum, led to the Regional Interconnection Forum, a group that has been meeting during LACNIC's annual event since 2007. The forum is focused on strengthening the knowledge of good practices, tools, new strategies that will strengthen the development of infrastructure within our region, within our countries, and among different countries.

The Simón project (<http://simon.lacnic.net/>) is an initiative promoted by individuals from different backgrounds who share a common concern for the lack of objective information to allow an in-depth knowledge of our region as regards data volumes and flows within each country and among the different countries that make up the continent.

The Simón project is the result of a joint effort aimed at providing this information in order to support the political and business decisions that must be made in the different countries in relation to the development of Internet infrastructure.

The proposal includes developing an original methodology that will allow collaboratively building the traffic patterns among the different countries that make up the LACNIC community, with the participation of thousands of users that will contribute on an anonymous and voluntary basis.

In light of the quality of the proposal and its relevance for the region, LACNIC – who participated in the Simón project since the very beginning – has decided to formally support this initiative.

South School on Internet Governance (SSIG)

The "South School on Internet Governance" is a regional initiative, the first edition of which was conducted from 30 March to 1 April 2009 at the Instituto Tecnológico in Buenos Aires, Argentina, with LACNIC as one of its main sponsors.

The purpose of the school is to involve the largest possible number of post-graduate students specializing in different fields in the discussions relating to Internet Governance within the region and its importance for the future of the Internet, promoting greater participation of these students at meetings where the issue is discussed.

LACNIC's Executive Director was part of the team of international Internet Governance Experts that participated as teachers. The presentation included the subject of IPv4 to IPv6 transition.

Building a Global Internet

NRO and LACNIC at the Internet Governance Forum

Within the Framework of the fourth meeting of the Internet Governance Forum in Sharm El Sheikh, Egypt, on 16 November 2009 LACNIC organized two workshops that were attended by a broad international audience.

Workshop on Internet Resource Administration

The purpose of this workshop was to present detailed information on the operation of, and the main activities carried out by, the Regional Internet Registries (RIRs), including a description and analyses of its processes such as the PDP (Policy Development Process), resource allocation, criteria for evaluating Internet resource applications, their involvement in projects aimed at promoting the Information Society, and their current challenges as regards the administration of Internet resources.

“Internet Resource Administration” Workshop
Sharm El Sheikh IGF, November 2009



Workshop on “Public Policies for a Better Interconnection at Lower Costs”



“Interconnection” Workshop - Sharm El Sheikh IGF, November 2009

At this workshop, LACNIC made an introduction on the technical aspects of interconnection and presented a description of the current scenario – including all stakeholders and their varying degrees of participation – as well as the evolution of available infrastructure since the discussions at the World Summit on the Information Society.

A case study was also presented, with a Brazilian government representative making a detailed presentation on the interconnection experience in their country. After the presentations had concluded, the workshop included a panel in which multiple sectors participated.

The debate identified areas of opportunity for government action in which effective public policies may be generated that will improve the current quality of Internet interconnection, while simultaneously reducing its costs for end users.

The original methodology used at these two workshops was specifically chosen in order to deal with the issues in a clear and objective manner. The basic structure included keynote presentations followed by a multistakeholder panel that offered different points of view, considering different perspectives and contributing to a full view of the issue. To conclude, the audience was given the opportunity to ask questions and share their opinions.

LACNIC also participated at the IGF as a member of the NRO (Number Resource Organization), the organization that groups all five Regional Registries. The NRO set up a stand for disseminating information about the organization and the joint work carried out by RIRs to promote Internet development in every region, as well as the NRO's role in Internet Governance issues.

For this opportunity, the NRO jointly prepared a report titled: "The Number Resource Organization Continuing Cooperation: The NRO's Role in Internet Governance", which is published on the NRO's website:

<http://www.nro.net>

NRO stand at the IGF. Sharm El Sheikh, Nov. 2009



RPKI

For a few years now, RIRs have been working on coordinating and developing mechanisms for implementing a resource certification strategy through what is called the Public Key Infrastructure (RPKI). The existence of this new infrastructure will allow operators to have reliable information about the authority to announce the different resources on the web. The technology that will be used (PKI) implies that central certifying authorities or "trust anchors" must exist, as well as a hierarchical certificate issuing scheme. The goal is that all RIRs begin issuing their first public certificates on 1 January 2011.

In order to achieve this goal, in 2009 LACNIC began executing its project for developing the system that will allow issuing digital certificates for the Internet resources assigned to its members. This project has made significant progress and, consequently, at the end of 2009 a version was made available for internal testing. It is anticipated that during the first half of 2010 another version (beta) will be available for testing by LACNIC members.

DNSSec

The DNS vulnerabilities that have recently been detected have increased the interest in introducing the technology called "Domain Name System Security Extensions" (DNSSEC) to protect this aspect of Internet infrastructure. This security protocol has been widely discussed and has reached good levels of implementation in the domain name resolution system.

More recently, discussions have begun regarding the implementation of DNSSEC technology for the Reverse Resolution system. During 2009, LACNIC has been experimenting with this technology in the existing servers in order to ensure that they have DNSSEC support. In addition, a plan was drafted to move forward during 2010 on the signing and publishing of the reverse zones of the blocks under LACNIC administration.

Statement of Assets and Liabilities

As of December 31, 2009

(In U.S. Dollars)

	31.12.2009	31.12.2008
ASSETS		
CURRENT ASSETS		
CASH AND BANKS (Note 2.6)		
Cash	897	571
Banks	339.236	167.960
	340.133	168.531
SHORT TERM INVESTMENTS (Note 2.9 and 4)		
Investments	432.231	313.795
ACCOUNTS RECEIVABLE (Note 2.7)		
Trade Debtors	885.683	713.039
Less:		
Deferred Income	(240.511)	(180.077)
Allowance for Doubtful Accounts (Note 2.8)	(18.022)	(18.279)
	627.150	514.683
OTHER RECEIVABLES		
Guaranty Deposits (Note 9)	60.284	12.044
Insurance to Fall Due	3.674	3.165
Other receivables	64.681	18.092
	128.639	33.301
TOTAL CURRENT ASSETS	1.528.153	1.030.310
NON CURRENT ASSETS		
FIXED ASSETS (Note 2.10 and Appendix I)		
Property, Plant and Equipment	1.908.861	1.896.054
Less: Accumulated Depreciation	(146.721)	(114.468)
	1.762.140	1.781.586
INTANGIBLES (Note 2.10 and Appendix I)		
Intangibles	16.808	20.415
Less: Accumulated Depreciation	(15.050)	(18.886)
	1.758	1.529
TOTAL NON CURRENT ASSETS	1.763.898	1.783.115
TOTAL ASSETS	3.292.051	2.813.425

	31.12.2009	31.12.2008
LIABILITIES		
CURRENT LIABILITIES (Note 2.11)		
COMMERCIAL DEBTS		
Accounts Payable	33.181	42.413
FINANCIAL DEBTS		
Bank Loans (Note 6)	159.359	153.393
OTHER DEBTS		
Provisions for Employee Benefits	56.252	48.800
Benefits for Staff Retirement	11.640	5.407
Advanced Collections	60.827	82.123
Payroll	-	-
Other Debts	181.933	26.960
	310.652	163.290
TOTAL CURRENT LIABILITIES	503.192	359.096
NON-CURRENT LIABILITIES		
FINANCIAL DEBTS		
Bank Loans (Note 6)	476.934	639.943
TOTAL NON-CURRENT LIABILITIES	476.934	639.943
TOTAL LIABILITIES	980.126	999.039
EQUITY (Appendix II)		
RETAINED EARNINGS		
Accumulated Surplus	1.789.190	1.380.835
Net Income of the Year	522.735	433.551
	2.311.925	1.814.386
TOTAL EQUITY	2.311.925	1.814.386
TOTAL LIABILITIES AND EQUITY	3.292.051	2.813.425

The accompanying notes and appendixes are an integral part of the financial statements

The accompanying notes and appendixes are an integral part of the financial statements

Profit and Loss Statement

For the year ended december 31, 2009

(In U.S. Dollars)

	1/1/09 - 31/12/2009	1/1/08 - 31/12/2008
Operating Revenues		
Net Operating Revenues (Note 7)	2.345.164	2.040.649
	2.345.164	2.040.649
SELLING AND ADMINISTRATIVE EXPENSES		
Salaries and Contributions for Retirement	(736.181)	(650.833)
Travel and Training	(428.232)	(370.687)
Hired Services	(208.611)	(150.171)
Cooperation, Contributions and Memberships	(139.538)	(178.162)
Correspondence and Communications	(71.474)	(70.116)
Fixed Assets Depreciation (Appendix I)	(67.644)	(52.918)
Dissemination Expenses	(143.053)	(64.567)
Stationery and Other Office Supplies	(24.534)	(33.849)
Electric Power and Water	(12.244)	(11.670)
Insurance	(17.383)	(4.408)
Other Expenses	(19.378)	(17.928)
	(1.868.272)	(1.616.309)
OTHER RESULTS		
Other Results	55.711	63.661
	55.711	63.661
FINANCIAL RESULTS		
Interest Paid	(72.518)	(39.685)
Interest Income	33.350	12.500
Differences of Investment Valuation	33.762	(32.829)
Exchange Differences	(4.462)	5.564
	(9.868)	(54.450)
NET INCOME OF THE YEAR	522.735	433.551

The accompanying notes and appendixes are an integral part of the financial statements

INDEPENDENT AUDITORS' REPORT

To
**Directors and Members of the General Meeting of
Registro Regional de Direcciones IP para América
Latina y el Caribe (LACNIC)
Montevideo - Uruguay**

Report on the Financial Statements

1. We have audited the enclosed Statements of Assets and Liabilities of **Registro Regional de Direcciones IP para América Latina y el Caribe (LACNIC)** as of 31st December 2009, and the related Statement of Profit and Loss, Changes in Shareholders' Equity and Cash Flows, stated in United States Dollars for the year then ended, and a summary of significant accounting policies and other explanatory notes.

Management's Responsibility for the Financial Statements.

2. Management of **Regional de Direcciones IP para América Latina y el Caribe (LACNIC)** is responsible for the preparation and fair presentation of these financial statements in accordance with International Financial Reporting Standards. This responsibility includes: designing, implementing and maintaining an internal control relevant to the preparation and fair presentation of the financial statements that should be free from material misstatement, either due to fraud or to error, selecting and applying appropriate accounting policies; and making accounting estimates that are reasonable in the circumstances.

Auditor's Responsibility

3. Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with International Standards on Auditing. Those standards require that we comply with ethical requirements and plan and perform the audit to obtain reasonable assurance that the financial statements are free from material misstatement.
4. An audit involves performing procedures to obtain audit evidence about the amounts and disclosures in the financial statements. The procedures selected depend on the auditor's judgment, including the assessment of the risks of material misstatement of the financial statements, either due to fraud or to error. In making those risks assessments, the auditor considers internal control relevant to the entity's preparation and fair presentation of the financial statements in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the entity's internal control. An audit also includes evaluating the appropriateness of accounting principles used and the reasonableness of accounting estimates made by management, as well as evaluating the overall presentation of the financial statements.
5. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

Opinion

6. In our opinion, the financial statements present fairly, in all material aspects, the financial position of **Registro Regional de Direcciones IP para América Latina y el Caribe (LACNIC)** as of December 31st, 2009 and the results of its operations, the changes in its shareholders' equity and its cash flows for the year then ended, in accordance with International Financial Reporting Standards.

Limitation of Use

7. This report is only for information and use of the Management of **Registro Regional de Direcciones IP para América Latina y el Caribe (LACNIC)** and it must not be used for any other purpose.

Montevideo, 3rd March 2010.

Cr. Jorge Gutfraind
MRI – Contadores Públicos
C.P. 32.922

Professional stamp
in original copy

FISCAL COMMISSION'S REPORT

(Free translation of the original document in Spanish)

According to the provisions of Article 27, Item (c), of the approved and valid Bylaws of the LATIN AMERICAN AND CARIBBEAN INTERNET ADDRESS REGISTRY (LACNIC), a meeting of the Fiscal Commission is held, with the presence of Cassio Vecchiatti, Gabriel Adonaylo and Adriana Ibarra Vázquez.

In view of the above, a report is issued in reference to the Financial Statements corresponding to the term ended December 31, 2009, and the Independent Auditor's Report.

CONCLUSIONS

ONE – The results of the audit carried out by MRI Contadores Públicos, Auditoría e Impuestos, in their capacity as independent auditors, in relation to the Financial Statements corresponding to the term ended on December 31, 2009, were reviewed. The result of said audit has been favorable and the referenced financial statements reasonably represent, in all significant aspects, LACNIC's financial situation as at December 31st, 2009.

TWO - Based on the analysis of the external audit report prepared by the Control Organ and the documentation submitted by or requested from LACNIC, it is our conclusion that the information we have been presented truthfully reflects LACNIC's financial situation as at December 31, 2009, and therefore we advise its approval by the General Assembly under the provisions of LACNIC's Bylaws.

Montevideo, Uruguay 19 March, 2010

Fiscal Commission

Cassio Vecchiatti

Gabriel Adonaylo

Adriana Ibarra Vázquez

DICTAMEN DE LA COMISION FISCAL

Con fundamento en artículo 27, inciso c) de los Estatutos aprobados y vigentes del REGISTRO DE DIRECCIONES DE INTERNET PARA AMÉRICA LATINA Y CARIBE (en adelante "LACNIC"), se reúne la Comisión Fiscal conformado por Cassio Vecchiatti, Gabriel Adonaylo y Adriana Ibarra Vázquez.

Atendiendo lo anteriormente expuesto, se emite un Dictamen relativo a los Estados Contables correspondientes al ejercicio finalizado al 31 de diciembre de 2009 e informe de auditoría independiente.

CONCLUSIONES

PRIMERA.- Se revisó el resultado de la auditoría de los Estados Contables del ejercicio finalizado al 31 de diciembre de 2009 realizado por la firma MRI Contadores Públicos, Auditoría e Impuestos como auditor independiente. El resultado de dicha auditoría ha sido favorable y los estados contables referidos presentan razonablemente en todos sus aspectos significativos la situación patrimonial de LACNIC al 31 de diciembre de 2009.

SEGUNDA.- Derivado del análisis que realizó el Órgano de Fiscalización del informe del auditor independiente y la documentación presentada por o requerida a LACNIC, concluimos que los datos presentados reflejan razonablemente la situación patrimonial de LACNIC al 31 de diciembre de 2009, por lo que aconsejamos su aprobación por la Asamblea General de conformidad con el Estatuto de LACNIC.

Montevideo, Uruguay a 19 de marzo de 2010.

Comisión Fiscal


Cassio Vecchiatti


Gabriel Adonaylo


Adriana Ibarra Vázquez.



LACNIC, the Latin American and Caribbean Internet Addresses Registry, is the organization responsible for allocating and administrating IP Addresses and related resources (Autonomous System Numbers and Reverse Resolution) for the region of Latin American and the Caribbean. It is one of the five Regional Internet Registries that exist worldwide.

IPv4 Address Allocation

IPv6 Address Allocation

Autonomous System Numbers Allocation

Training Activities

Public Policy Forum

Annual Member Assembly

**Coordination and Participation in
Cooperation Projects**

LACNIC operates on the basis of a self-regulation model whereby Internet resource administration policies are developed openly, transparently, and based on participative processes.

Reporte Anual 2009



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