



# **LACNIC Update**

**ARIN 39**

**NOLA, April 4th, 2017**

# Four Topics

## 1. Excellence in Internet Number Resource Management.

- Membership evolution
- Soft landing policy phases
- Elections Board of Directors

## 2. Continued strengthening of a secure, stable, open, and continuously growing Internet.

- Security, Stability, Resilience
- IPv6 Deployment
- Training

## 3. Promoting and enriching a participatory, bottom-up Internet governance model.

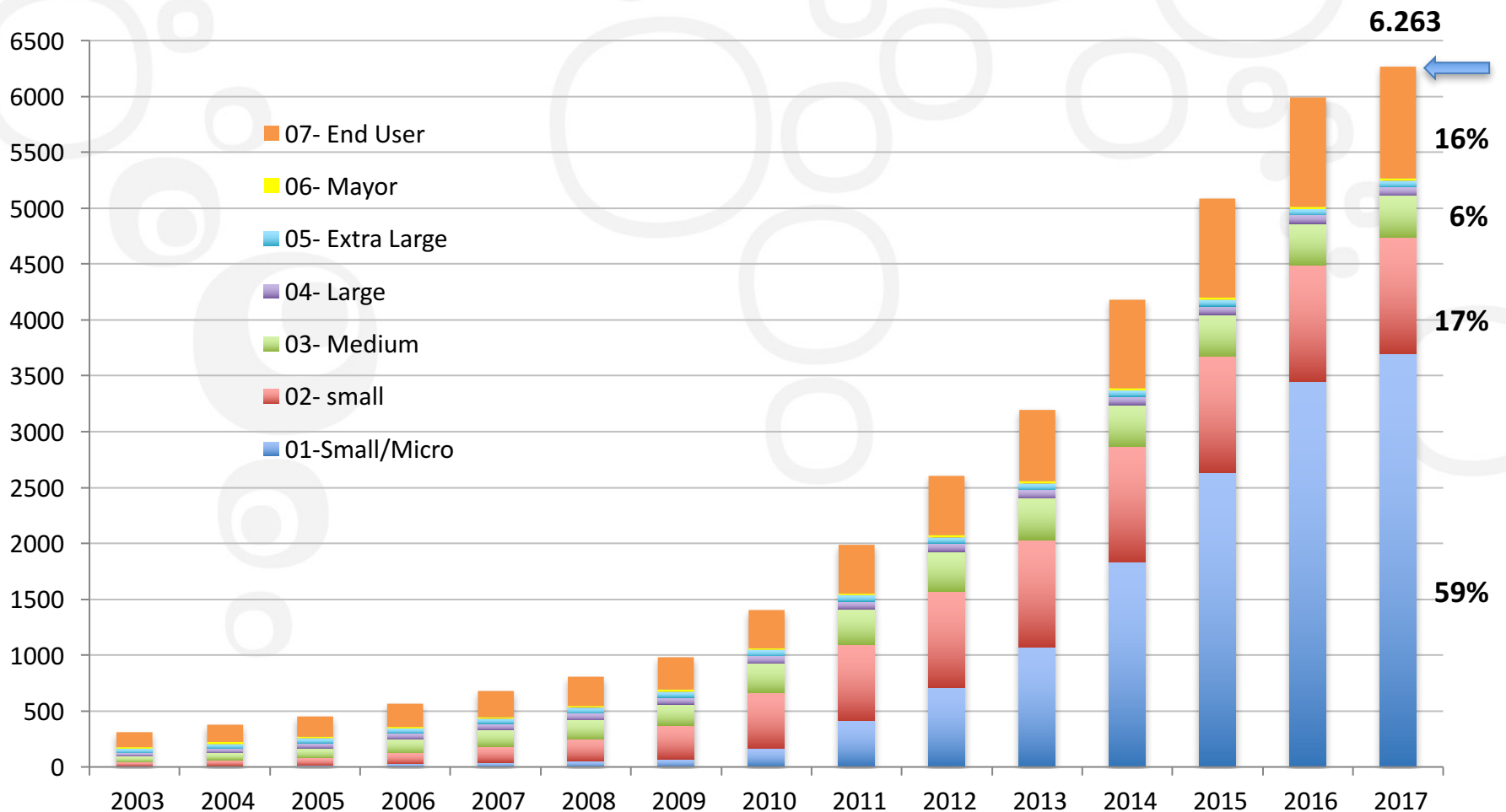
- PDP, news and proposals
- Review Committee

## 4. Quality and Continuous Improvement.

- ISO 9001:2015
- GPTW 2016
- Websites revamp
- Strategic Planning for 2017-2020

# Resource Management

## Membership evolution



# Resource Management

## Soft Landing Policy – Phase II

- Started in June 2014
- Maximum Allocation /22 every 6 months
  - Current members eligible to receive additional space
- Ended February 2017
- Pool size /10

# Resource Management

## Soft Landing Policy – Phase III

- Started in Feb 15<sup>th</sup>, 2017
  - “No IPv4 allocations or assignments will be made to organizations that have already been assigned or allocated IPv4 resources by LACNIC or by the organizations that preceded LACNIC in the region currently serviced by LACNIC.”
- Maximum allocation size /22 (one time)
- Pool size /10 (4,2 million addresses)
- We are expecting this phase to last more than 5 years.

# LACNIC Board of Directors

## (2016 elections)

- Two positions were renewed
  1. Wardner Maia (BR)
  2. Javier Salazar (MX)
- Both members were re-elected.
- Wardner Maia (BR) re-appointed as LACNIC Chairman of the Board.



Continued strengthening of a  
Secure, Stable, Open, and  
continuously growing Internet

# Security, Stability and Resiliency Initiatives

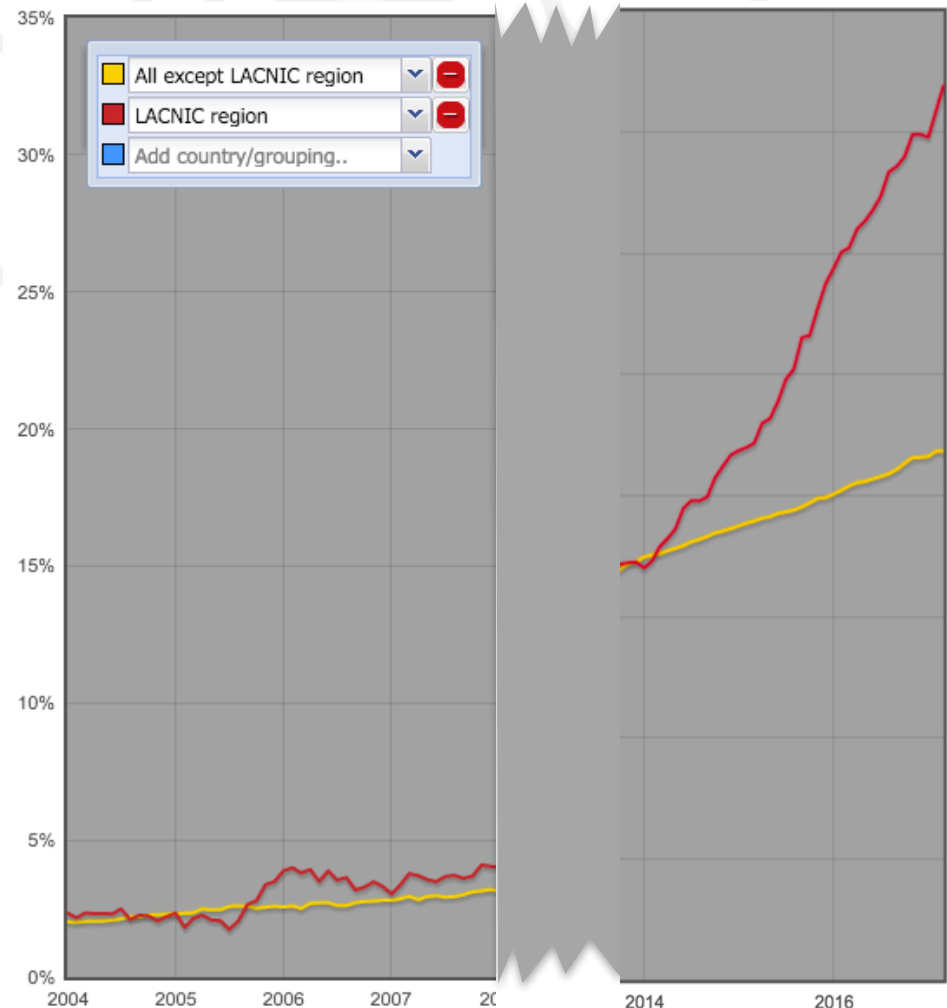
- Security and Stability in Routing
  - Resource Certification
    - Trust Anchors Alignment
    - RPKI outreach
  - Promoting IXPs in the region
    - ArNOG
- DNS Security and Stability
  - K-Root IPv6 enabled, global note @Montevideo, UY.
  - Call open for new I-Root instances in the region



# Secure, Stable, Open and Resilient Internet.

## Networks announcing IPv6 prefixes (%ASN 31/Mar/2017)

- There are approximately 5160 visible ASNs in the region, 37% of which are visible over IPv6.
- 2117 out of 5727 ASNs announce at least one IPv6 prefix
  - Brazil, Ecuador, Perú and Colombia.
- This % is larger than that of any other region



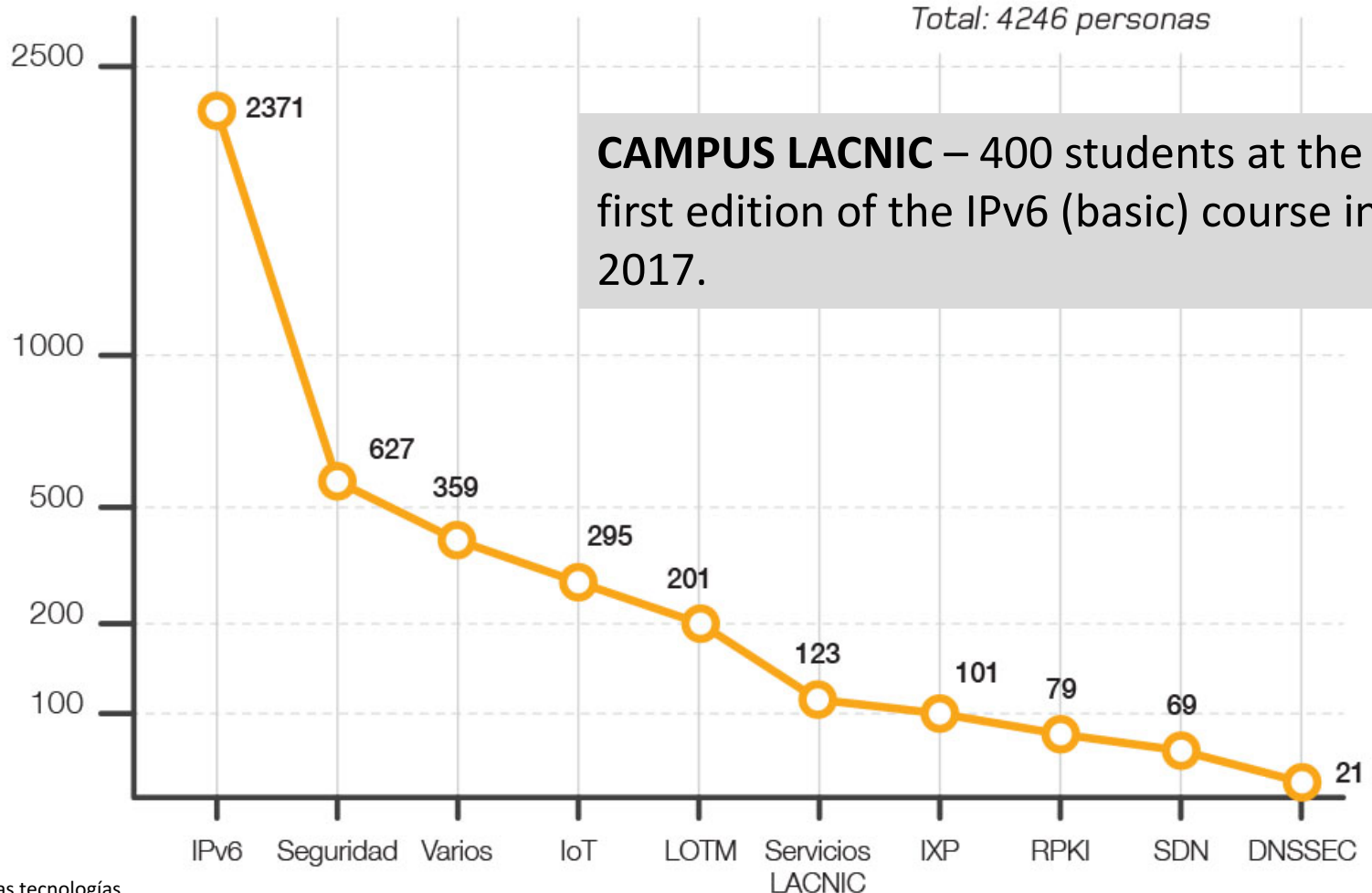
# Secure, Stable, Open and Resilient Internet.

## IPv6 Users per Country

- Several countries with growing adoption rates
  - BR, EC, PE ~20%
  - TT ~15%
  - BO, AR, GT ~5%
  - DO ~ 1.5%



# Training and Webinars (People trained by topic in 2016)



\*Varios:

- Introducción a las tecnologías fundamentales de Internet
- Monitoreo y Peering
- Servicios RDAP que ofrece LACNIC

# FRIDA

Record volume: 551 submissions



## Awards

AgriNeTT: e-agricultura en el Caribe.  
Universidad de West Indies (Trinidad y Tobago).  
Mexicoleaks (México).



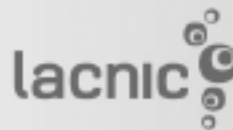
## Grants

"Mapeo Digital." Perpendicular (Guatemala).  
"BIDYA: Biblioteca Digital y Accesible." Unión Nacional de Ciegos del Uruguay (Uruguay).  
"Radio Amazónica Digital con alta frecuencia." Universidad Estatal Paulista (Brasil).  
"Protección de TOR contra el tráfico Malicioso." Universidad Estatal de Campinas (Brasil).  
"Seguridad BGP en infraestructura de RENATA." RENATA (Colombia).  
"Despliegue de IPv6." Universidad Nacional del Tucumán (Argentina).



## Scale-Ups

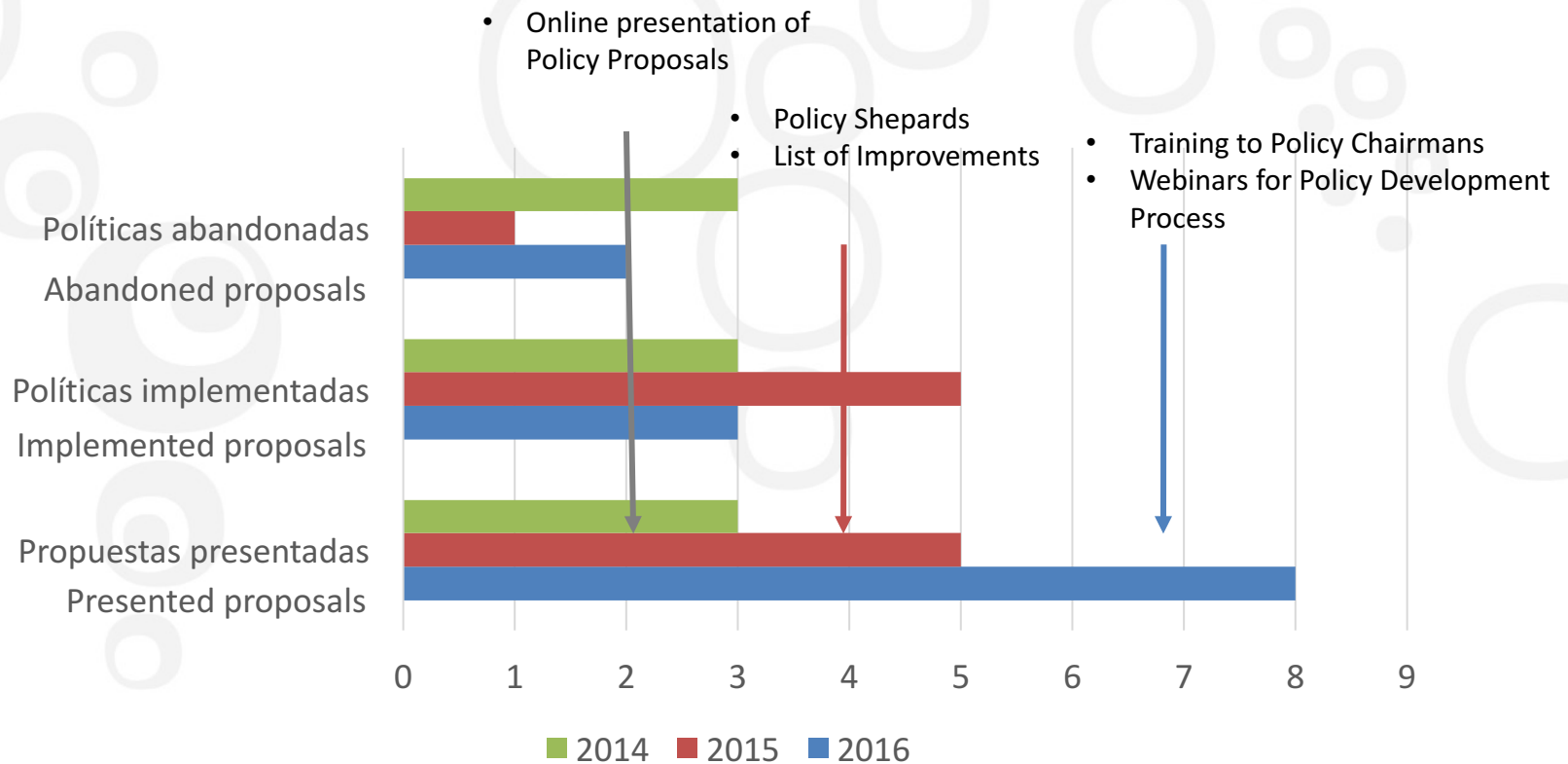
Hablando con Julis (Colombia).  
"LibreRouter." Altermundi (Argentina).





Internet Governance  
Participative Model and  
Community Building

# Number of Policy Proposals at LACNIC



# Policy Development Process

- Three proposals were discussed at the Public Policy Forum in LACNIC 26, San José, Costa Rica.
  - One policy proposal got consensus:
    - LAC-2016-2: This proposal reserves a /15 IPv4 pool, out of current new entrants pool, for critical infrastructure and should be put in execution after the new entrant pool is exhausted.
  - Two policy proposals were sent back to discussion:
    - LAC-2016-3: Removes the single and multi homed verification from the analysis for initial IPv4 allocation.
    - LAC-2016-5: Creates a new organization category in the IPv6 allocation criteria for non commercial Internet Services Providers (governmental or academic network).
  - One new (among other being discussed) policy proposal will be presented in the next Public Policy Forum:
    - LAC-2017-2 One way Inter RIR transfers to LACNIC

# Intra RIR transfers

- Until march 2016 only transfers originated in Mergers and Acquisitions were allowed within the LAC region.
- After policy 2.3.2.18 was implemented other transfers are allowed

Fecha	Organizacion oferente	Organizacion receptora	Bloque transferido
10/11/2016	INTERDOTNET ARGENTINA S.A.	Massy Communications Ltd	186.96.208/20
14/09/2016	FASTBEE ARGENTINA S.A.	Setarnet	186.189.128/18
26/09/2016	Panamaserver.com	ARLINK S.A.	201.190.128/17
08/12/2016	ZENIX TELECOMUNICACIONES S.A.	IXP Ecuador	190.52.192.0/20
08/12/2016	ZENIX TELECOMUNICACIONES S.A.	IXP Ecuador	200.107.248/21
23/03/2017	Scarlet B.V.	Scarlet N.V.	190.185.80.0/20
23/03/2017	Scarlet B.V.	Scarlet N.V.	190.185.64.0/20

+ / 16



# Elections

## Policy Chair and Review Committee Members

- Policy Forum Co-Chair election 2017
  - Seven candidates (6 men and 1 women)
- LACNIC Review Committee Members
  - The RC should be composed of fifteen members, the three from the LACNIC region are:
    - Nicolas Antoniello - community representative
      - Seat to be renewed in 2018
    - Edmundo Cazares - community representative
      - Seat to be renewed in 2017 – Call in place.
    - Ernesto Majó - staff representative
  - <http://www.lacnic.net/web/elecciones/2017-review-committee>

# Community Building

## **LACNIC on the Move 2017 – Guatemala**

- Collaboration with ISOC Chapter Guatemala, Superintendencia de Telecomunicaciones, Internet Society and the ICANN Roadshow – 150 participants, mainly from the local community.
- Previous versions:
  - Belice, Surinam, Honduras, Bolivia.



# Quality and Continuous Improvement.

# Repeatable Processes and Continuous Improvement

- **ISO 9001:2015** re-certification.

- Core Processes:

- Registry and Management of Number Resources Process
- Policy Development Process
- Events Organization Process



- **Great Workplace in 2016... again!**

- For fifth consecutive year LACNIC

has been amongst the best places to work in Uruguay

- Nationals from ten countries
- Women comprise 53% of LACNIC FTE's.



# Redesign of www.lacnic.net



2016  
Actualización Web  
www.lacnic.net

# Launch of milacnic.lacnic.net

**milacnic**

Sistema de Gestión

Id. usuario

Contraseña

Iniciar Sesión

[¿Olvidó su contraseña?](#) | [¿Olvidó su Id. Usuario?](#)

Crear una cuenta nueva



- IPv4, IPv6, ASN and DNS inverse resolution management.
- RPKI resource certification.
- ROAs validation and modification
- POC's management
- Invoices
- Online Payments
- Account status
- Service Agreement consult.



# Strategic Plan 2017-2020

- LACNIC Strategic Planning cycles varies from 3 to 4 years.
- Latest one was 2012-2016.
- Preparation for 2017-2020 Strategic Planning Process
  - Update methodology; define and work on required analysis;
- Strategic Planning Sessions held during June 2016
- Strategic Plan 2017-2020 ratified by the LACNIC Board September 2016

# LACNIC 27 – Foz de Iguaçu

## 22-26 May



- <http://www.lacnic.net/web/eventos/lacnic27>



# LACNIC 28 – Montevideo 18-22 September



- 15<sup>th</sup> anniversary of LACNIC



**Thank you!**

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