



Update LACNIC

RIPE 73

Madrid, October 28th, 2016

Four Topics

1. Excellence in Internet Number Resource Management.

- Membership
- Elections Board of Directors
- IPv4, IPv6 assignments

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

- IPv6 Deployment
- FRIDA
- LACNIC Campus
- Security, Stability, Resilience

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

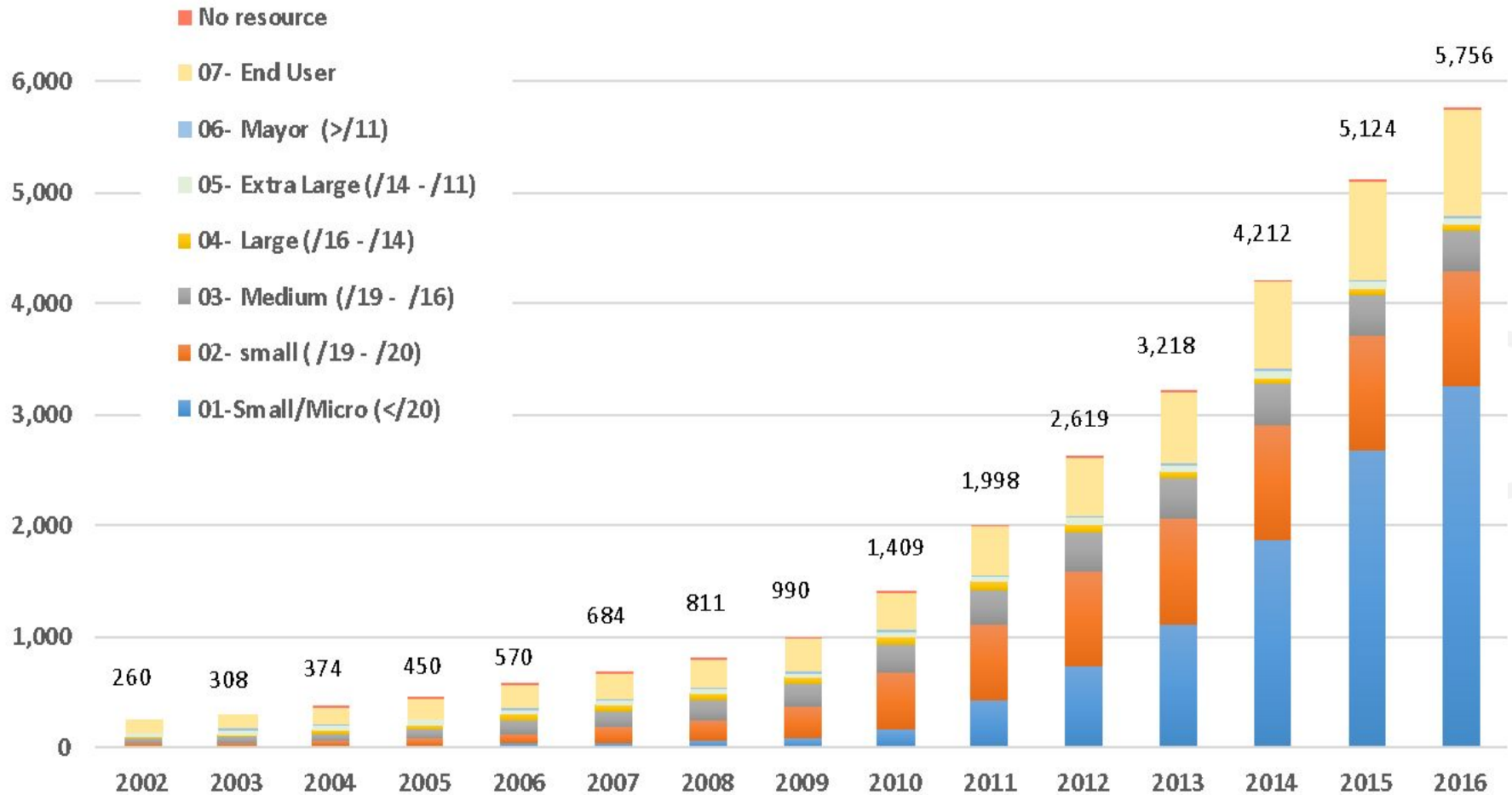
- IANA Transition
- PDP, news and proposals

4. Quality and Continuous Improvement.

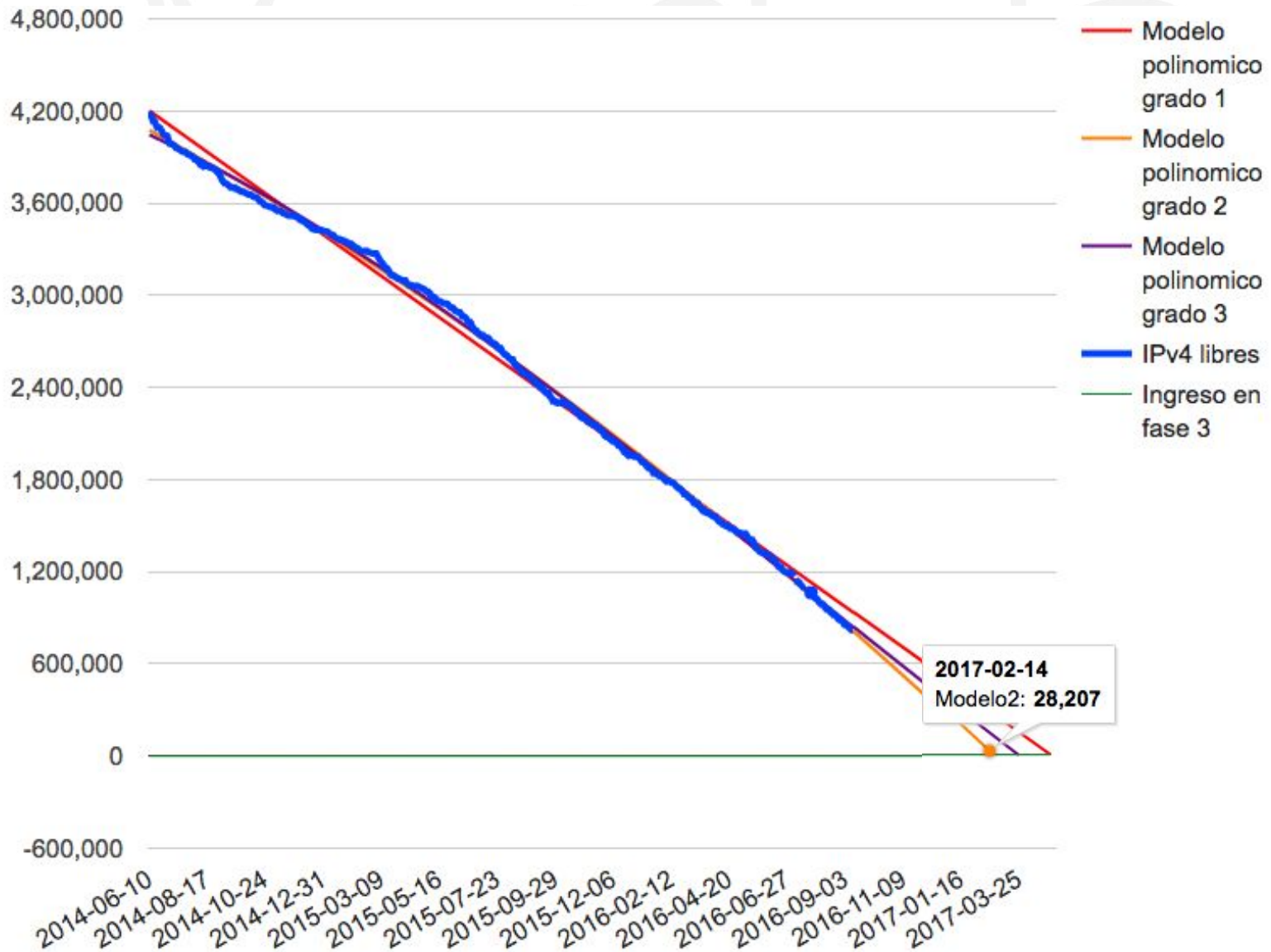
- ISO 9001:2015
- Strategic Planning for 2017-2020

Resource Management

Membership evolution



Projections on IPv4 Exhaustion



LACNIC Board of Directors

(2016 elections)

- In process
- 2 vacancies are being renewed:
 1. Wardner Maia
 2. Javier Salazar
- Voting Cast concluded
- Currently at the Electoral Commission's audit stage (previous stage to publication of results).



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

Security, Stability and Resiliency Initiatives

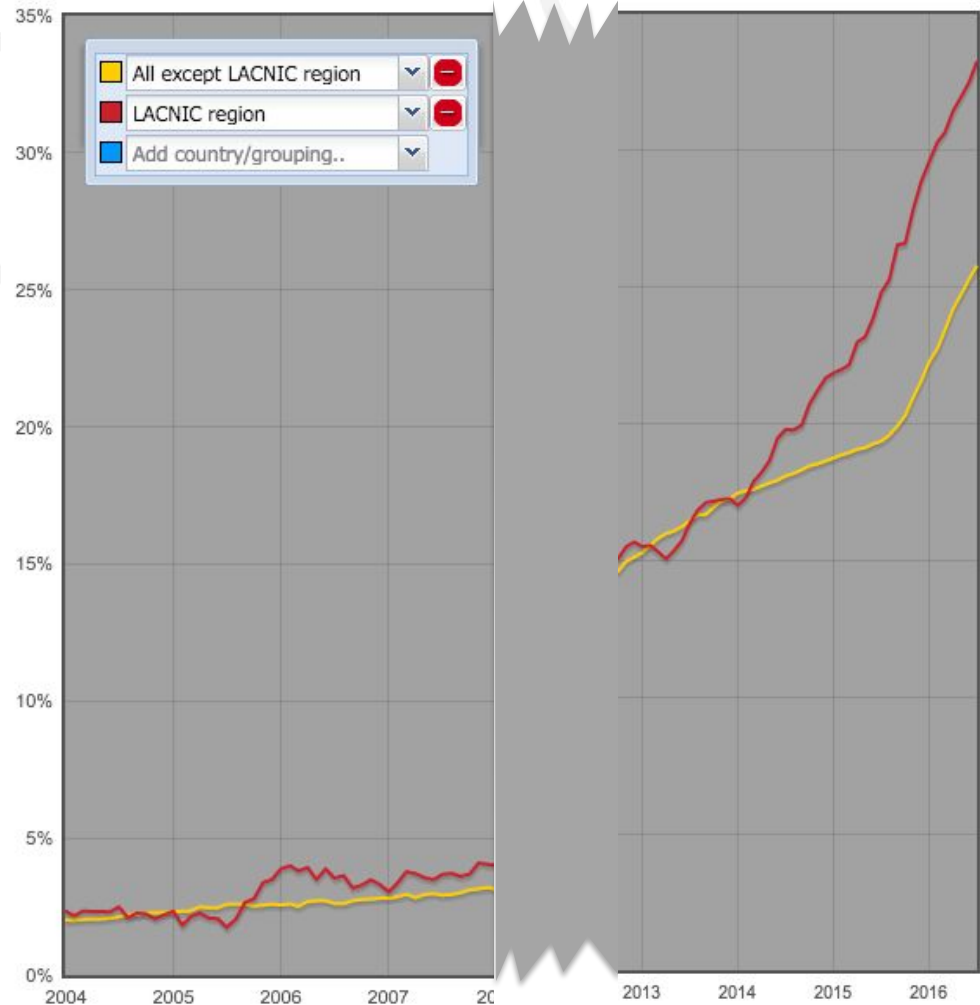
- Security and Stability in Routing
 - Resource Certification
 - RPKI for members in México launched.
 - IXP's promotion in the region
 - Informational Talks in Panama and Honduras
 - Opening of the IXP Paraguay
 - Bolivia and Belize workshops
 - Academic Networks meeting (TICAL)
- DNS Security and Stability
 - K-Root (**managed by RIPE**) and I-Root @ Montevideo installed, first in the region (**managed by Netnod**)
 - L-Root @ Bolivia (**managed by ICANN**)

2. Secure, Stable, Open and Resilient Internet.

Networks announcing IPv6 prefixes (%ASN 30/Jun/2016)

There are approximately 5160 visible ASNs in the region, 33% of which are visible over IPv6.

- +20% annual growth in LAC networks
 - Networks announcing IPv6 prefixes had a net increase of 8%.
 - **1047 to 1717 new networks announcing IPv6.**
 - **+64% in one year**
- This % of growth is larger than any other region.



Building Community

(last 12 months)

- **Workshop for Latin American and Caribbean, San Carlos, Costa Rica; LACNIC26-LACNOG2016 San José Costa Rica**

- **Topic: IPv6**

Workshop RENATA & RUMBO Bogotá, Colombia; COMTELCA Managua, Nicaragua; NIC.CR San José, Costa Rica; CNC Asunción, Paraguay; CONATEL Caracas, Venezuela; Río Gallegos & Ushuaia, Argentina; AIG Panamá.

- **Topic: AMPARO (Security and CSIRTs)**

Workshop AMPARO Asunción, Paraguay; AMPARO Advanced Bogotá, Colombia; AMPARO with ETECSA, La Habana, Cuba

- **Topic: IXP**

Workshop for IXP jointly with ISOC Honduras; Cybersecurity Meeting, IXP e IPv6 Panamá; LACNIC24 / LACNOG15 Bogotá; Interconnection tutorial & RPKI Panamá

- **Topic: RPKI**

Meeting at CABASE Buenos Aires, Argentina; CONATEL Caracas, Venezuela; LACNIC23 Lima, Peru; Interconnection tutorial & RPKI Panamá

- **Topic: LACNIC ONtheMOVE**

Belize, Surinam, Honduras



campus Idioma ▾

Number of countries participating in Basic and Advanced IPv6 courses.

Cantidad de países participantes de los cursos IPv6 Básico y IPv6 Avanzado



- México
- Panamá
- Venezuela
- Argentina
- Guatemala
- España
- Paraguay
- Chile
- Costa Rica
- Ecuador
- Colombia
- Brasil
- Uruguay
- Perú
- Cuba
- Honduras
- República Dominicana
- El Salvador
- Bolivia
- Estados Unidos
- Nicaragua
- Haití
- Curazao
- Belice
- Togo
- Canadá
- Aruba
- Trinidad y Tobago
- Guayana Francesa

Código	País	Cantidad de participantes
AR	Argentina	299
CO	Colombia	273
VE	Venezuela	212
CR	Costa Rica	188
MX	México	164
EC	Ecuador	120
PE	Perú	109
UY	Uruguay	96
CL	Chile	85
PY	Paraguay	82
PA	Panamá	64
BR	Brasil	63
CU	Cuba	55
BO	Bolivia	54
GT	Guatemala	47
HN	Honduras	44
NI	Nicaragua	39
SV	El Salvador	29
DO	República Dominicana	26
ES	España	6
BZ	Belice	4
CW	Curazao	4
US	Estados Unidos	4
TT	Trinidad y Tobago	2
AW	Aruba	1
CA	Canadá	1
GF	Guayana Francesa	1
HT	Haití	1
TG	Togo	1
TOTAL:		2074

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

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).

LACNIC Review Committee Members

- IANA Transition
 - The number community was able to work effectively in the IANA Stewardship Transition.
- Review Committee
 - The RC should be composed of fifteen members, the three from the LACNIC region are:
 - Nicolas Antoniello - community representative
 - Edmundo Cazares - community representative
 - Ernesto Majó - staff representative
- <https://www.nro.net/news/iana-numbering-services-review-committee-composition>



Quality and Continuous Improvement.

Repeatable Processes and Continuous Improvement

Certification on the new ISO 9001:2015.

- Core Processes Certification:
 - Registry and Management of Number Resources Process
 - Policy Development Process
 - Events Process
- LACNIC received the certification.
 - Absence of "no compliance"

Strategic Plan 2017-2020

- LACNIC Strategic Planning cycles vary from 3 to 4 years.
- Preparation for 2017-2020 Strategic Planning Process
 - Update methodology; define and work on required analysis;
- Strategic Plan ratified by the LACNIC Board September 2016

Strategic Plan 2017-2020

Vision

“To lead the *strengthening* of a unique, open, stable and secure Internet at the service of the *development* of Latin America and the Caribbean, promoting the *collaborative Internet model*.”

Strategic Plan 2017-2020

Mission

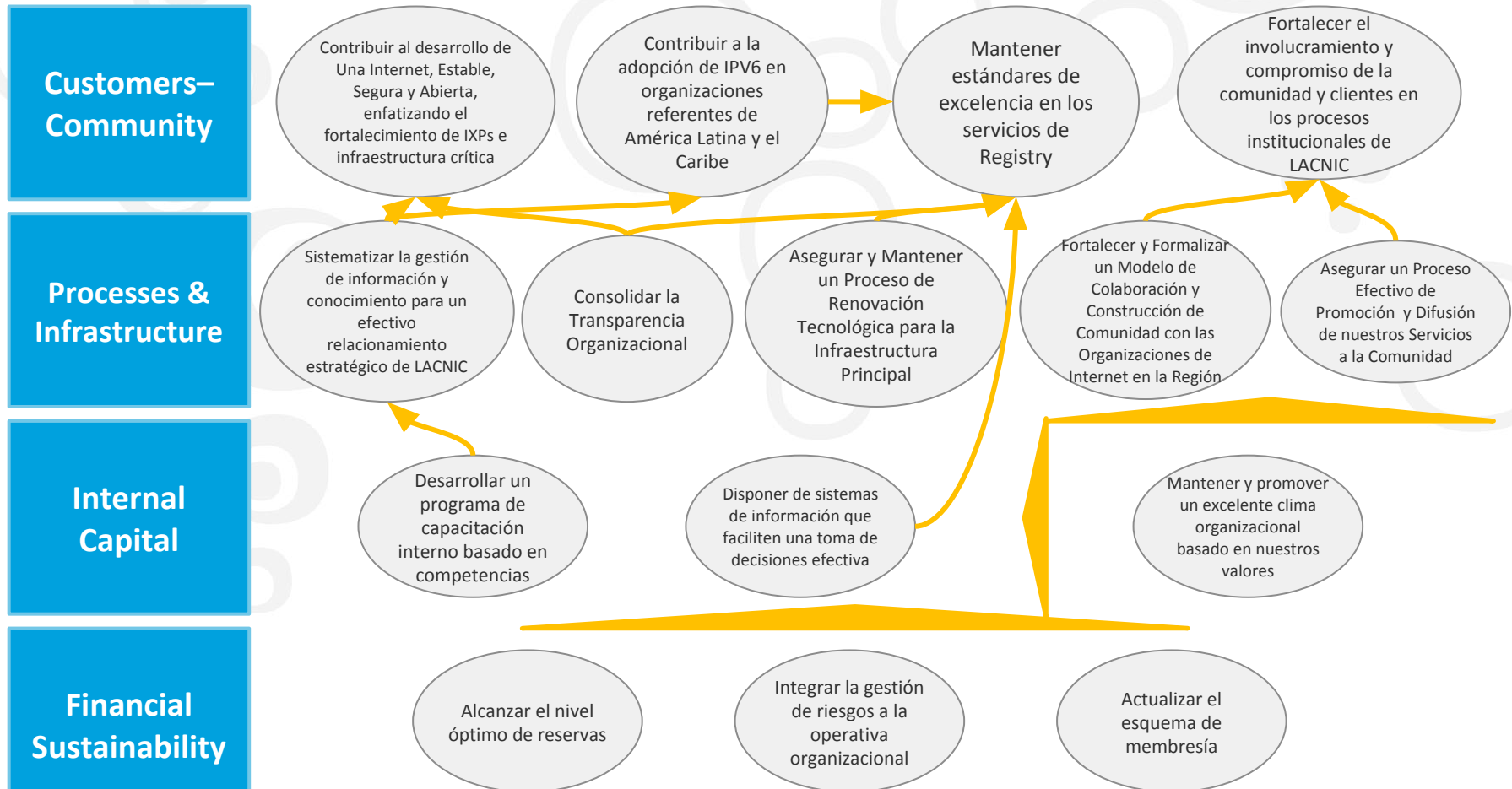
“To manage Internet number resources for Latin America and the Caribbean through the **participatory development of policies**, based on a culture of excellence, **transparency**, and continuous improvement, adding value to our community by:

- building capacity among the regional community by means of training initiatives, cooperation, and collaboration with other organizations;
- engaging and bringing a regional perspective to industry and Internet Governance forums;
- strengthening the multi-stakeholder, participatory, and bottom-up Internet Governance model; and
- promoting the use and development of Internet standards, involving the regional community in the process.

Permanently serving as a regional leader in topics relating to Internet development.”

Strategic Plan 2017-2020

Strategic Map



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Questions?
Thank you!!