



# LACNIC Update

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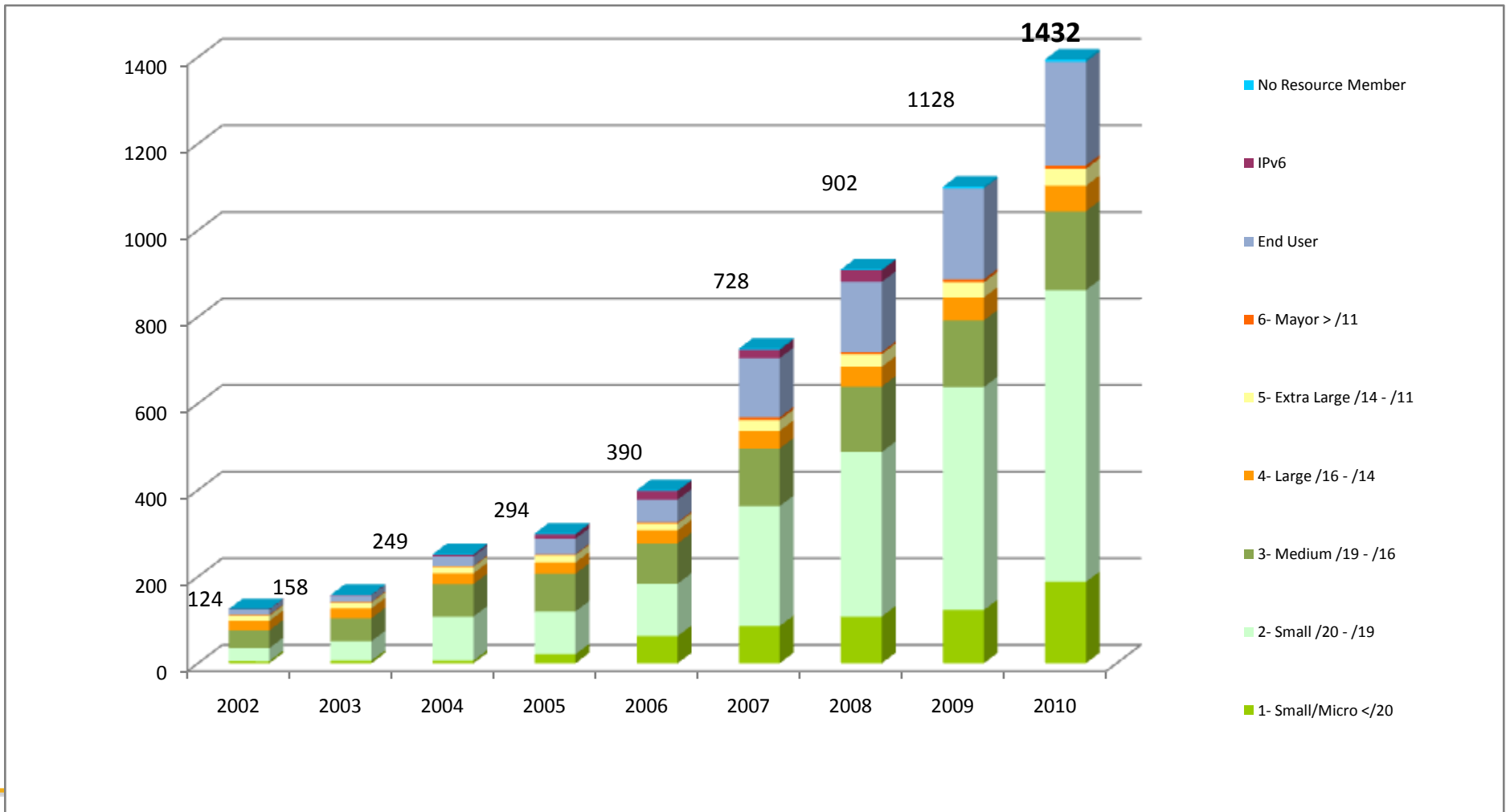
LACNIC

# Our projects in 2010



- Strategic Planning Project
  - Customer Oriented
  - New Web Site (planned for Dec 2010)
  - LACNIC politic positioning
  - IT Systems Reengineering
- Engineering
  - RPKI The Resource Public Key Infrastructure )
  - EPP (Extensible Provisioning Protocol)
  - DNSSEC
  - IPv6 Project

# Membership evolution



# Participation in Public Forums



- 15 XIII Cumbre REGULATEL – AHCIET – July, Lima, Peru
- IETF 78 – July, Maastricht, The Netherlands
- XIII COM/CITEL – August, Washington D.C., US.
- APNIC 30 – August, Gold Coast, Australia
- IGF - September, Vilnius, Lithuania.
- NANOG 50 / ARIN XXVI – October, Atlanta, Georgia
- ITU Plenipot PP-10 – October, Guadalajara, México
- LACNOG 2010 – October, Sao Paulo, Brazil
- RIPE 61 – November, Rome, Italy
- XVII CCPI – CITEL – November, Salta, Argentina

# Other important projects



- AMPARO
  - To provide training and to promote the creation of Computer Security Incident Response Teams (CSIRTs)
- FRIDA
  - Regional Fund for Digital Innovation in Latin America and the Caribbean
- Raíces (Roots)
  - Target: To install anycast copies of root servers (DNS) in the region (ended this year)
- Public Affairs

# LACNIC XIV



- Held in Sao Paolo, Brazil
- Co-organized with LACNOG 2010 and 4<sup>th</sup> PTT Forum
- Almost 300 participants
- 5 policies presented, 4 reached consensus.
- LACNIC IPv4 reserves and IPv4 exhaustion model presented

# Policies



- LAC-2009-09 Modification: 2.3.3.3. Direct Allocations to Internet Service Providers
- LAC-2010-05 Initial allocation and assignment of IPv4 addresses for ISPs
- LAC-2010-06 Assignment to End Users with need of interconnection
- To update the “Multihoming” requirement with a more flexible one like “Interconnection Needs”.
- Consensus reached

# Policies (cont...)



- LAC-2010-03 Inclusion of ASN in the whois when available
- Inclusion of ASN of origin (provided that it is available) in the information of WHOIS of all the LACNIC's received prefixes.
- Consensus reached



# Policies (cont ...)



- LAC-2010-04 Global Policy for IPv4 Allocation by the IANA post exhaustion
- This is a proposal to create a policy allowing for the allocation of IPv4 address space after the depletion of the IANA IPv4 address pool.
- Returned to discussion by Policy Forum chairs.  
Require more discussion

# Available Space



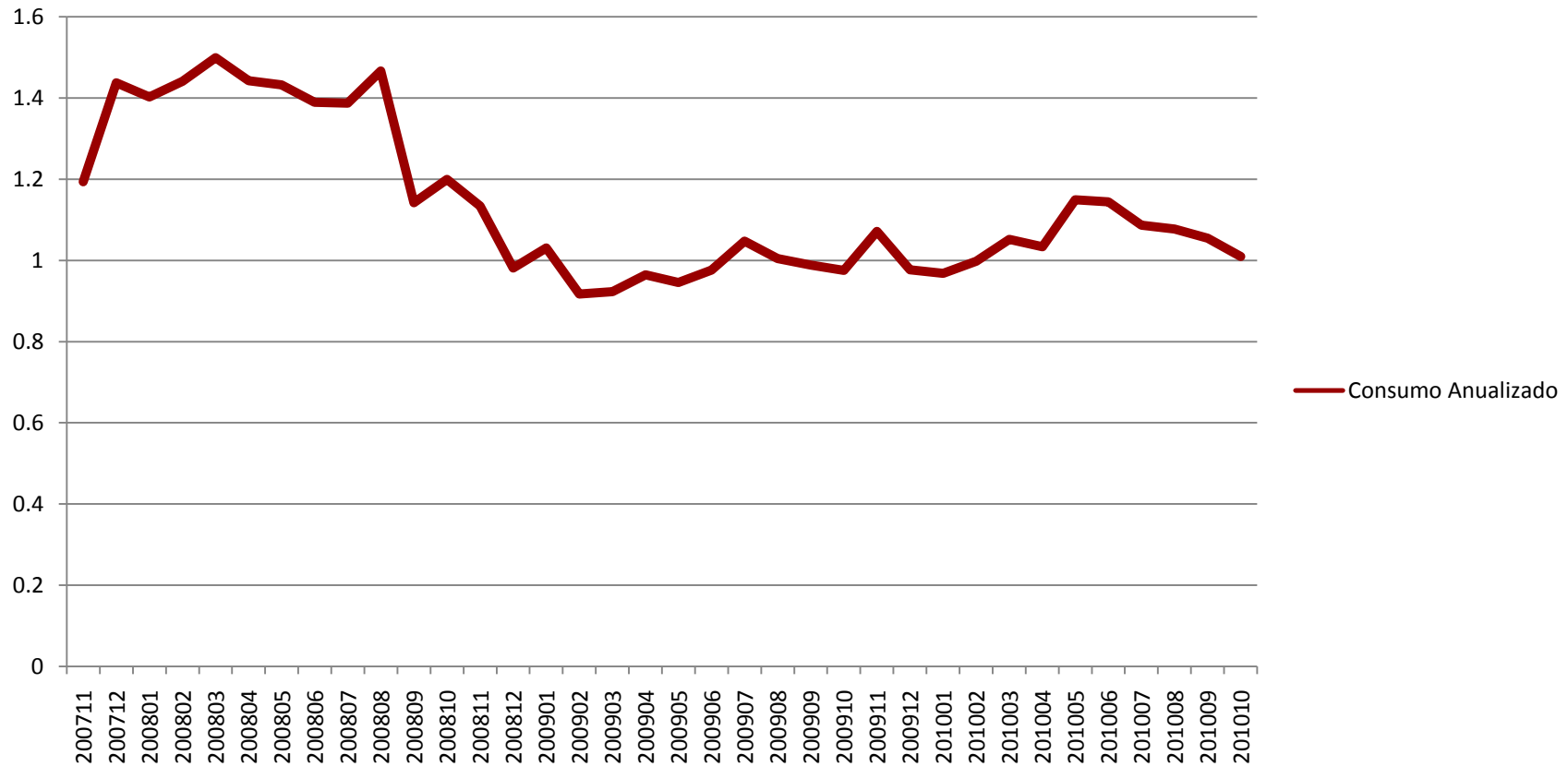
| Block | Used     | Available | Available (/8) |
|-------|----------|-----------|----------------|
| 177   | 2097152  | 14680064  | 0.875          |
| 181   | 0        | 16777216  | 1              |
| 186   | 12695552 | 4081664   | 0.243          |
| 187   | 16777216 | 0         | 0              |
| 189   | 16777216 | 0         | 0              |
| 190   | 14822400 | 1954816   | 0.116          |
| 200   | 16416000 | 361216    | 0.021          |
| 201   | 16777216 | 1042432   | 0.062          |
| ERX   | 0        | 25624576  | 1.527          |

# Available today

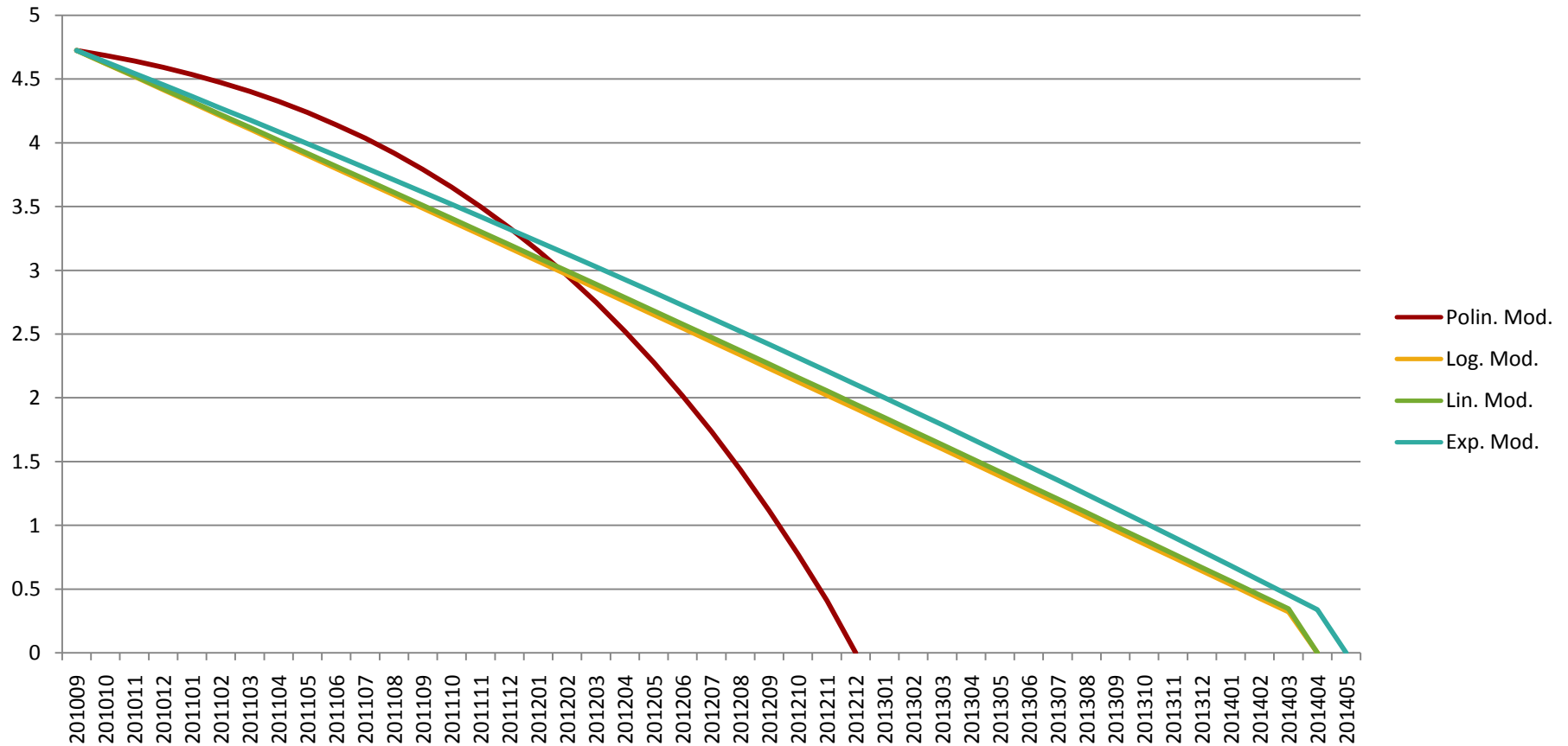


|                     |   |
|---------------------|---|
| Available today /32 | 64521984                                    |
| Available today /8  | 3.845809937                                 |
| Reserved last /10   | -0.25                                       |
| Global Policy       | 1   |
| <b>Total</b>        | <b>4.5958 /8 = 77,104,896<br/>addresses</b> |

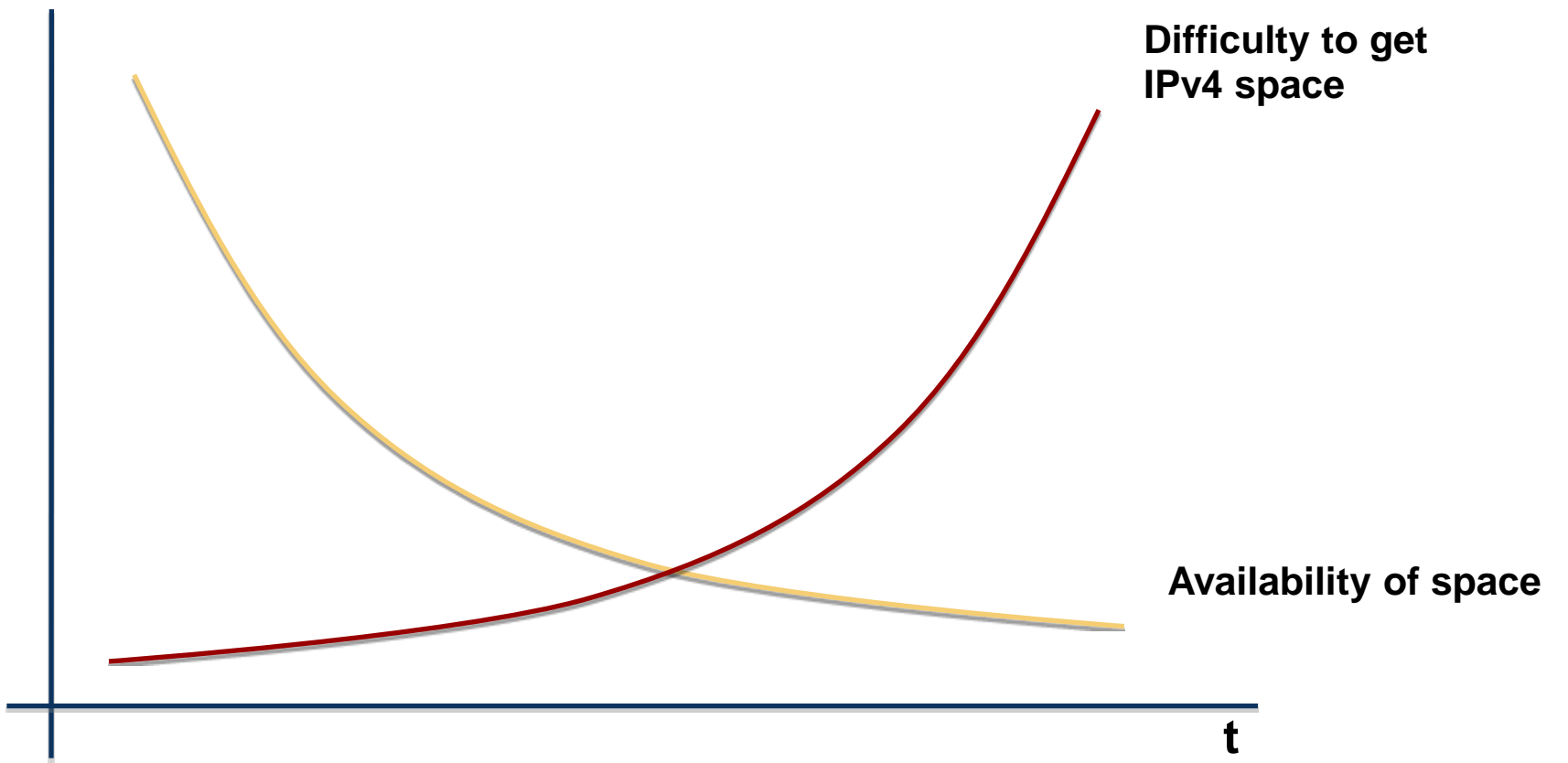
# IPv4 annualized use (36 months)



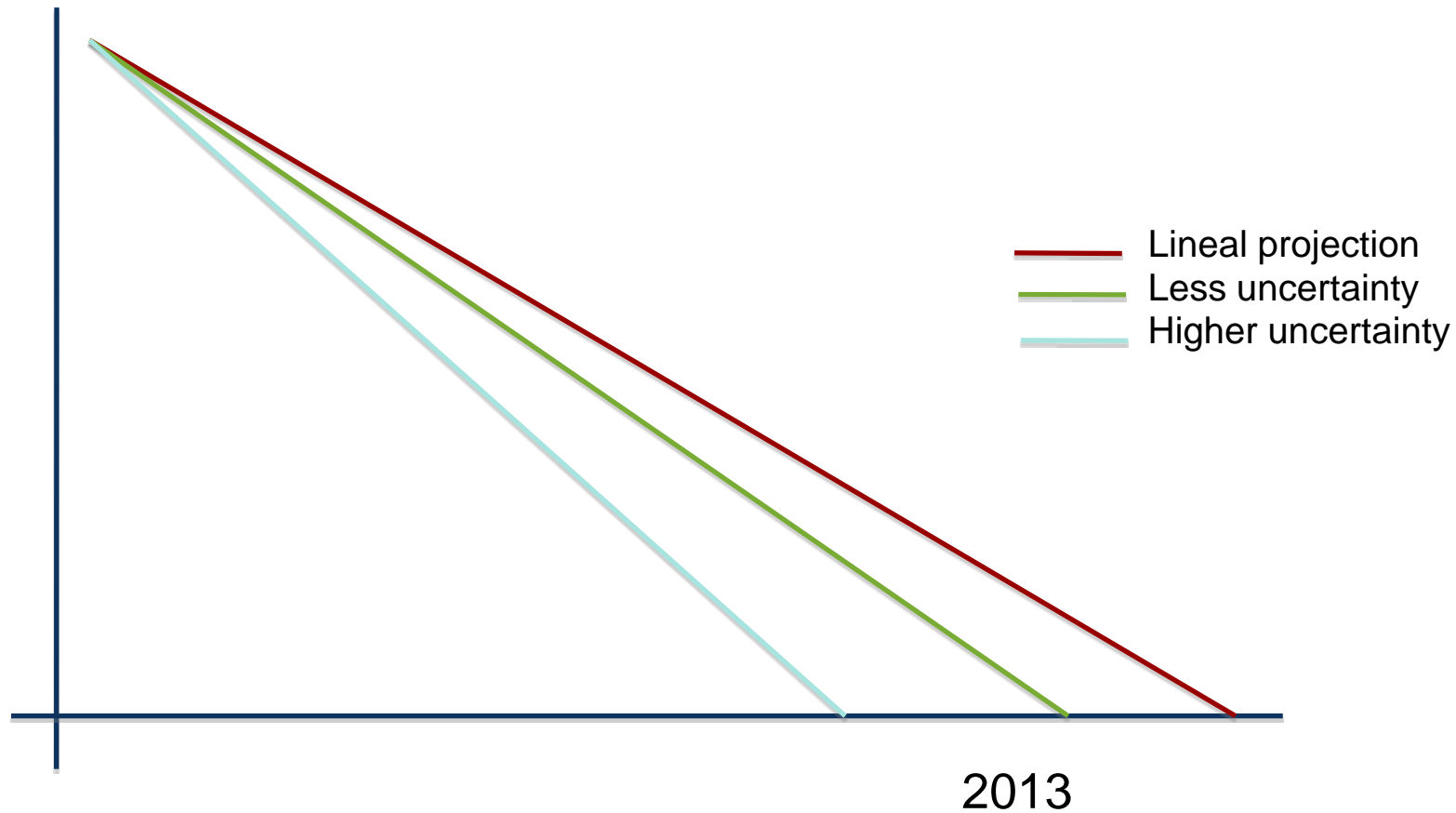
# Projections of space (Sep. 2010)



# Availability vs accesibility



# Projections with uncertainty



# Next Meetings



- LACNIC XV

General meeting, Policy Forum,  
LACTLD and technical forums  
(Security, IPv6, IXs).

Possibly LACNOG 2 as well  
Cancun, Mexico. May 2011.



- LACNIC XVI

Policy Forum and co-organized with LACNOG 2 or 3  
October 2011  
Venue TBC





Thank you !

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**are::you:IPv6:ready?**