Global Management of Internet Resources & Policy Development in RIPE

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RIPE NCC

RIPE NCC

- A not-for-profit membership association

- Founded in 1992

- Offices in Amsterdam and Dubai

- More than 16,000 members

What We Do

- Serve as Regional Internet Registry (RIR) for Europe, the Middle East and parts of Central Asia

- Secretariat for the RIPE community

- Manage K-root, one of the 13 Internet root name servers

- Training courses, capacity building and support

- Measurement and analytical tools (RIPE Atlas, RIPEstat, Routing Information Service)
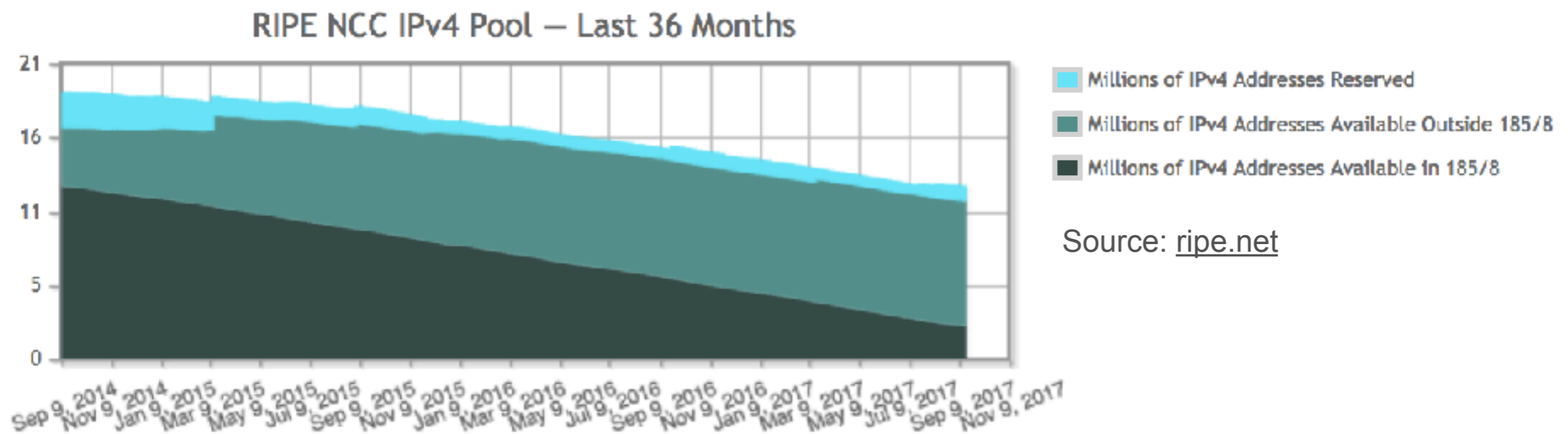
Regional Internet Registry?

- There are five RIRs

- RIRs distribute and register Internet number resources

> - Distribute IPv4, IPv6 addresses and AS Numbers
>
> - Maintain the RIPE Registry and public RIPE Database

- On 14 September 2012, the RIPE NCC began to allocate IPv4 address space from the last /8 of IPv4 address space it holds

- Each RIPE NCC member can request a one time /22 allocation (1,024 IPv4 addresses)

RIPE NCC IPv4 Pool — Last 36 Months

- Millions of IPv4 Addresses Reserved
- Millions of IPv4 Addresses Available Outside 185/8
- Millions of IPv4 Addresses Available in 185/8

Source: ripe.net

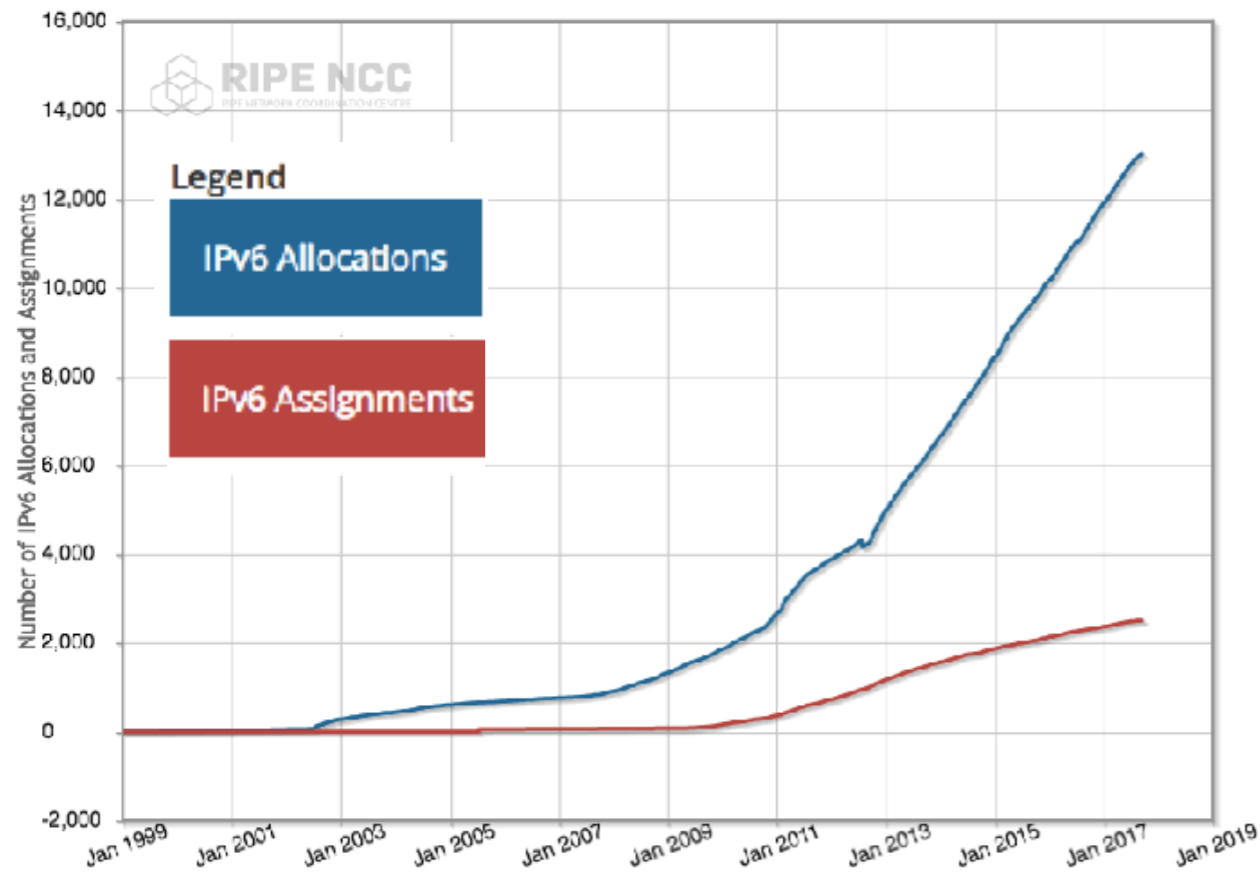# IPv4: **Current Situation**

- On current predictions, 3-4 years of IPv4 (under current policy)
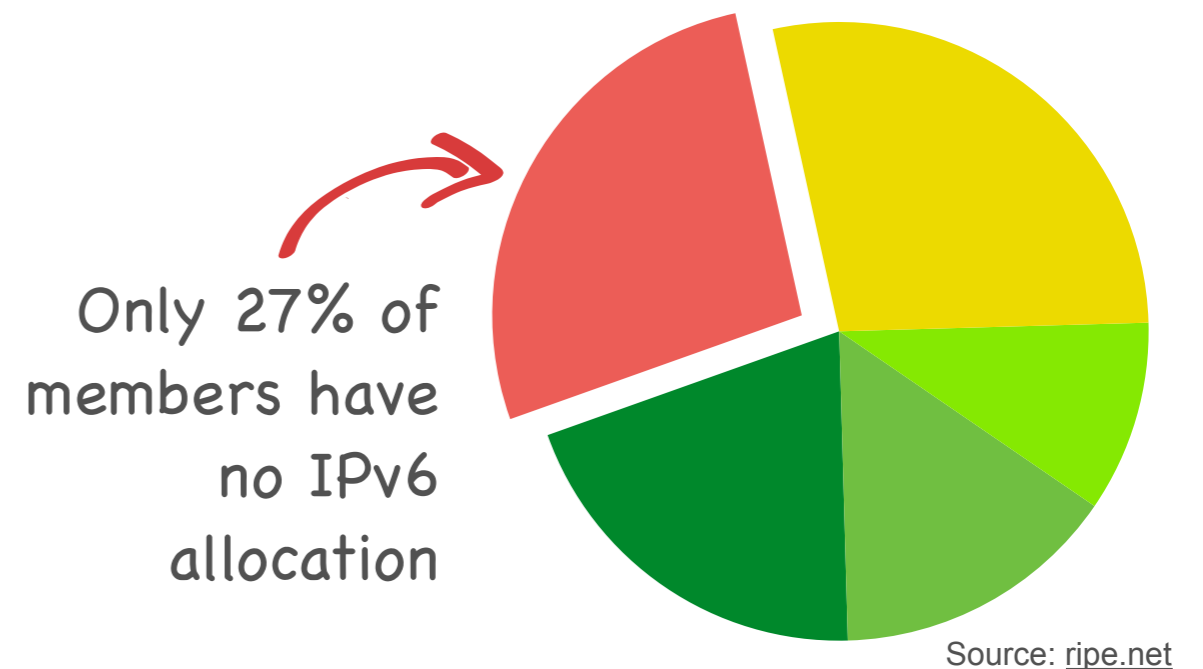
- An active market has emerged in IPv4 transfers

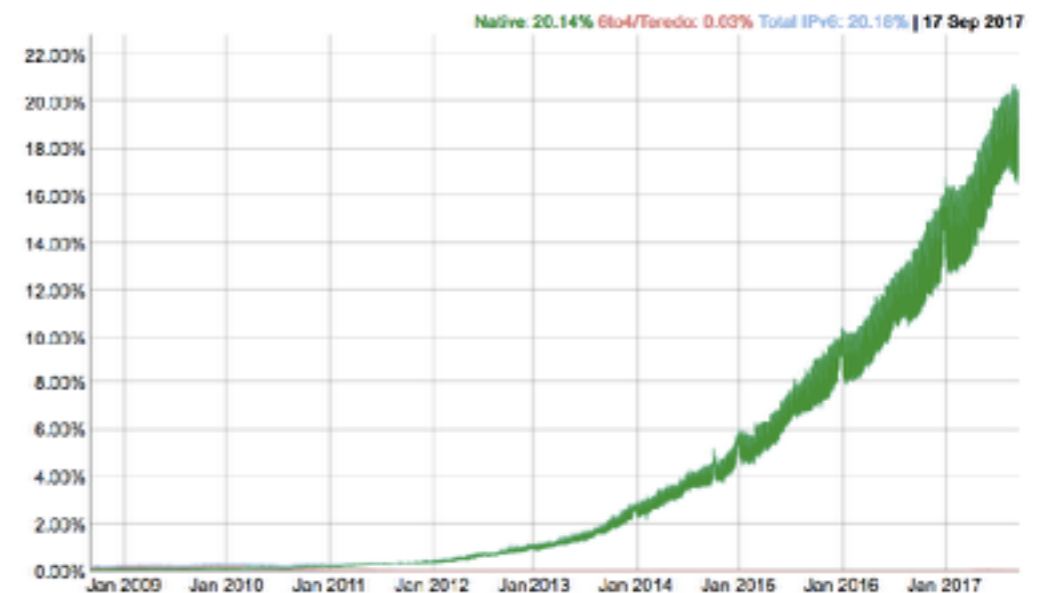Accurate registration in the RIPE Database of addresses is the priority!

And IPv6?

- Strong distribution of IPv6 to RIPE NCC members

Only 27% of members have no IPv6 allocation

Source: ripe.net

- Global IPv6 traffic rates are climbing

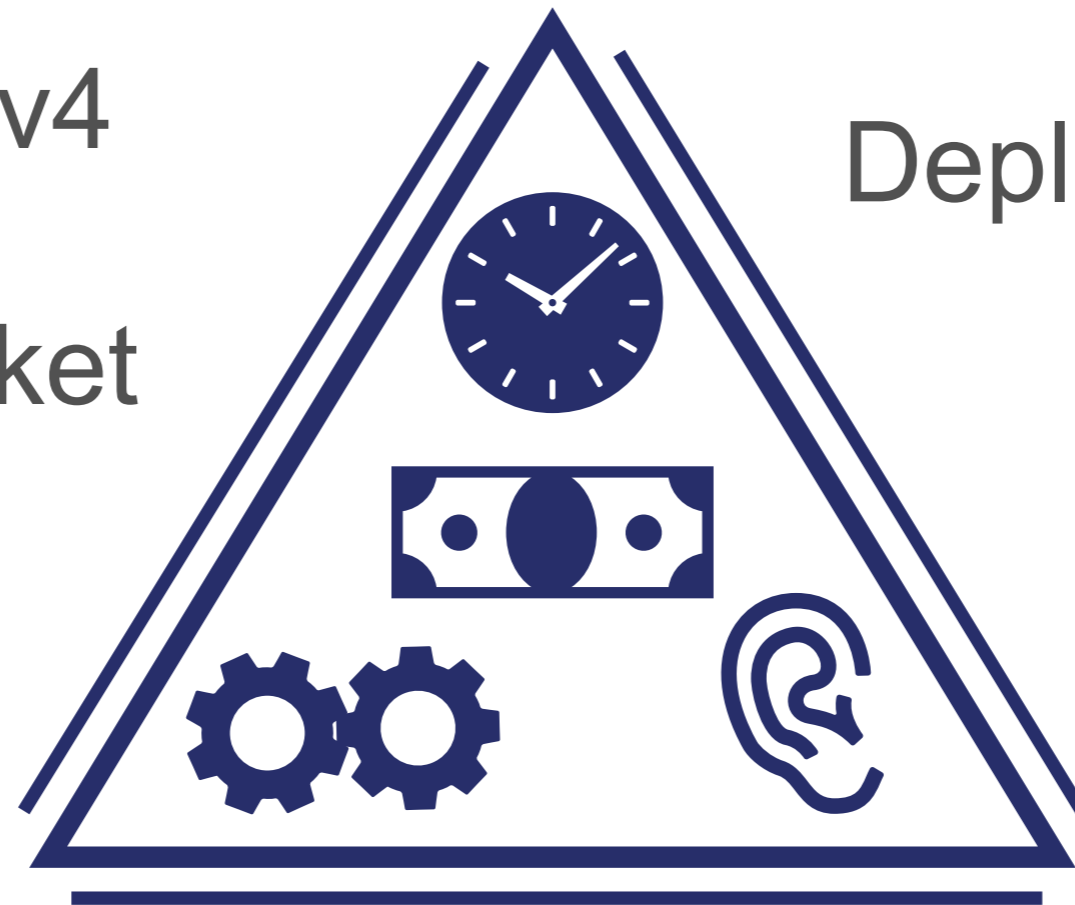 – At around 20% globally, but big variance at country level
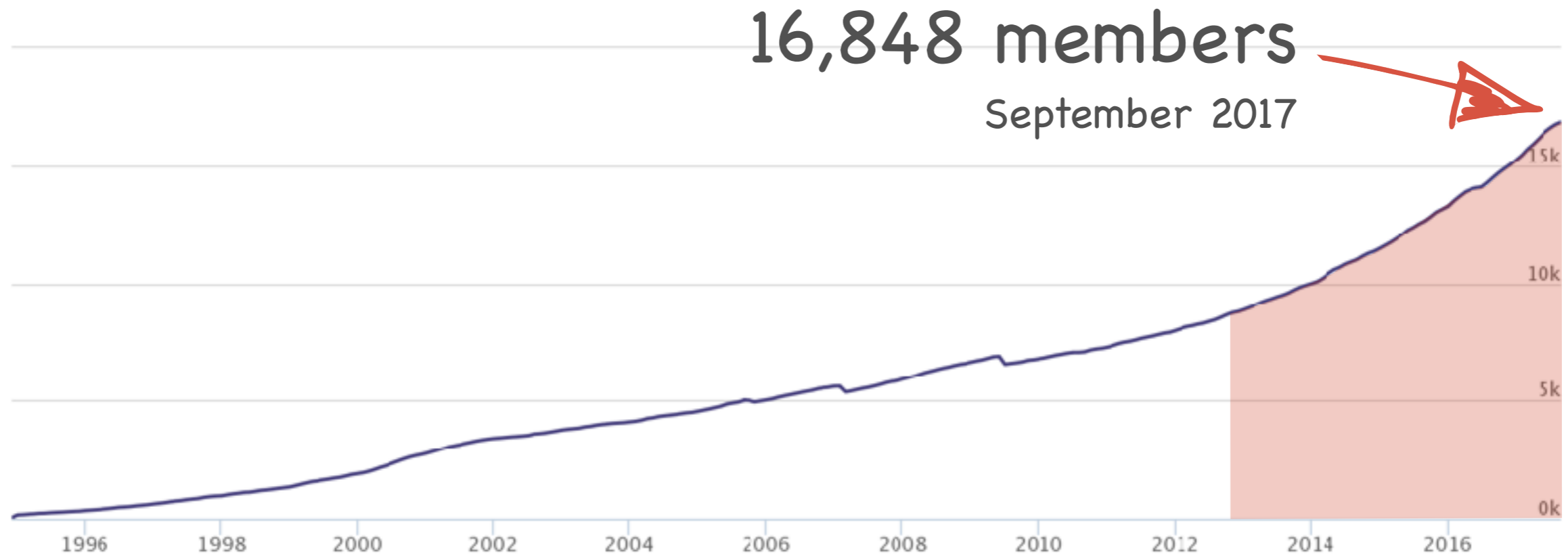

Source: Google.com

The Operator's Choice

Purchase IPv4 through the transfer market

Deploy IPv6

Invest in Carrier-Grade NAT solutions

# Our Membership

16,848 members

September 2017

- Growing Internet industry
- More diverse organisations becoming members
- Policies surround IPv4 exhaustion

RIPE Policy Development

- **RIPE NCC does not make policy!**

- RIPE Policies are developed through an open, transparent, bottom-up process

- Anyone can get involved in policy discussions and proposals

  - Discussions take place on the relevant RIPE Working Group mailing lists

  - ...but not much participation from Arab country stakeholders

  - Monthly PDP updates are sent out by the RIPE NCC in Arabic

RIR Governance Model
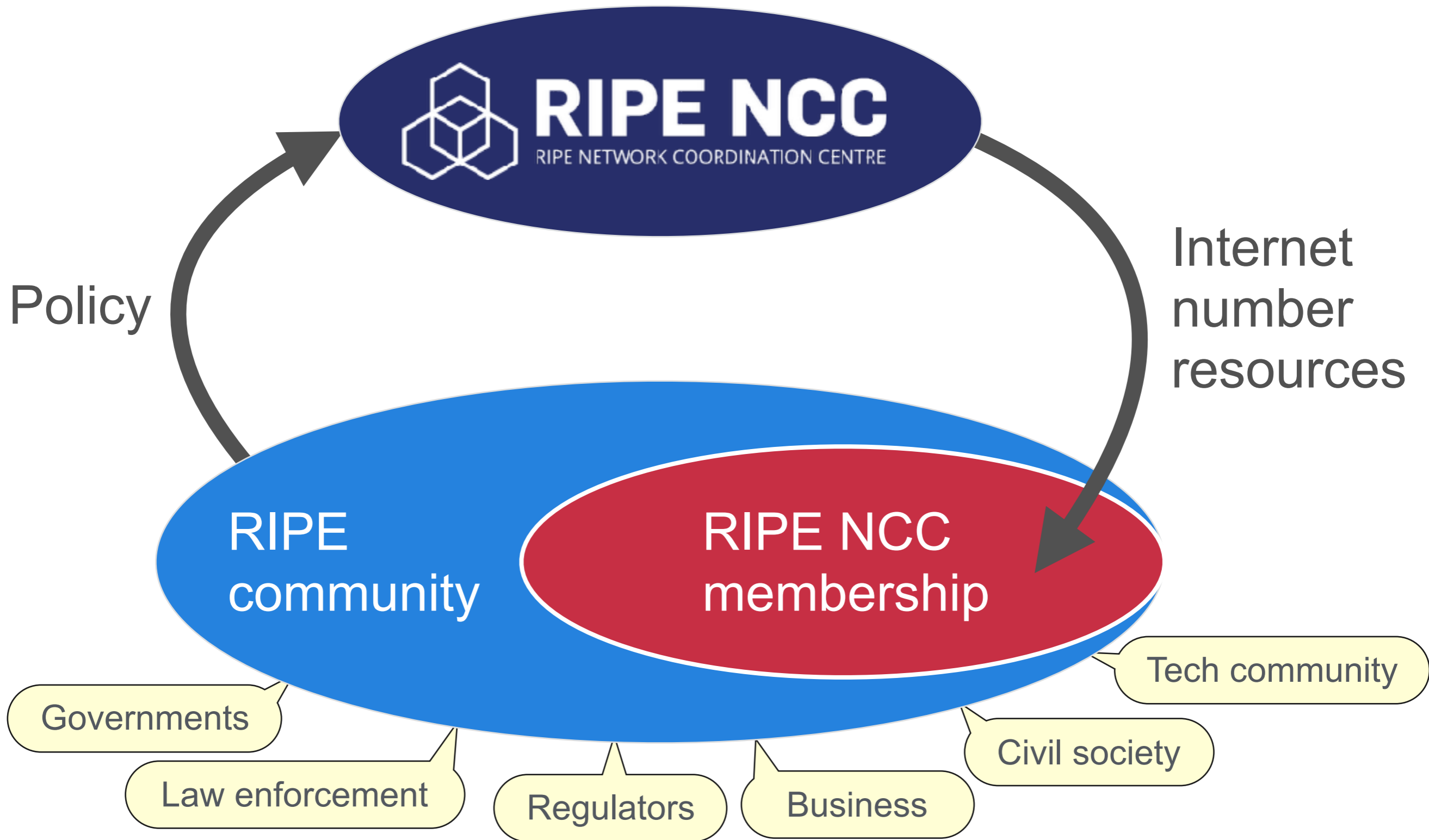
Building Confidence

- The registry system relies on the confidence of all Internet stakeholders

  - That the RIPE NCC can carry out its responsibilities professionally and responsively

  - That the RIPE policy development process is open, inclusive and effective

  - That the global registry system is effective in addressing the needs of all stakeholders

So why are we here today?

Governments and RIPE Policy

- Government policy

  - National regulation can affect the RIPE NCC and our members

  - Exchanging information can lead to better public policy

- RIPE policy

  - Governments and regulators are part of the RIPE community

    → And have their own interests in RIPE policy development

Challenges for Government

- Different ways of working can prevent open participation

- Few government staff have background in RIPE

- How to address this:
  - RIPE Cooperation Working Group
  - RIPE NCC outreach to governments, law enforcement, regulators
  - Capacity building about RIPE and the Policy Development Process
  - MoUs

Our Goals

- Inform you about the opportunities and concerns relevant to core mission and our membership

- Listen to your feedback on Internet-related issues that concern you as governments in this region

- Build trust and confidence as a foundation for further discussion and cooperation

- How can we help you develop your Internet industry?

Join Us!

RIPE 75

Dubai , UAE

22 - 26 Oct 2017

https://ripe75.ripe.net