

# How to Rule the Internet

*(together with  
everybody else)*

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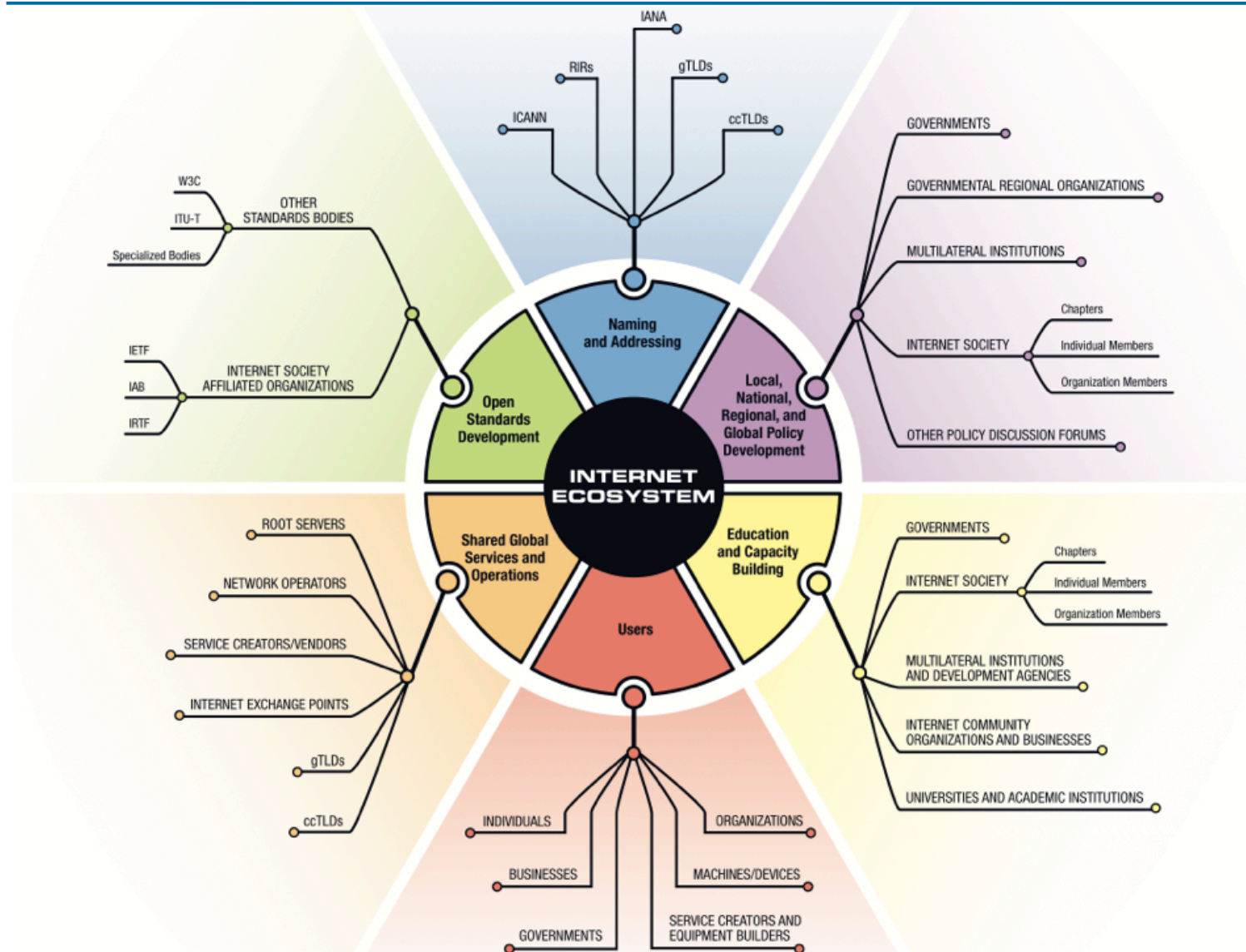


# What RIPE and Hackers Have in Common

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- **The community:**
  - People from ISPs, hosting & other Internet businesses
  - Free-SW developers, security professionals, students, researchers
- Decision making processes are **consensus-based**
  - Bottom-up, open and transparent
- Abundance of TLAs
  - ITU, IGF, WTPF, ISOC, IETF, IAB, IRTF...
  - ICANN, IANA, RIR, LIR, NRO
- **Desire to make the better Internet!**

# The Internet Ecosystem



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# Introduction to RIPE and RIPE NCC

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# The Internet Registry System

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- Five RIRs worldwide
  - **R**egional **I**nternet **R**egistries
  - Not-for-profit organisations
  - Funded by membership fees
  - Policies decided by regional communities
  - Neutral, impartial, open, transparent
- Some joint efforts conducted as the NRO (Number Resource Organization):

<http://nro.org>

# The Five RIRs



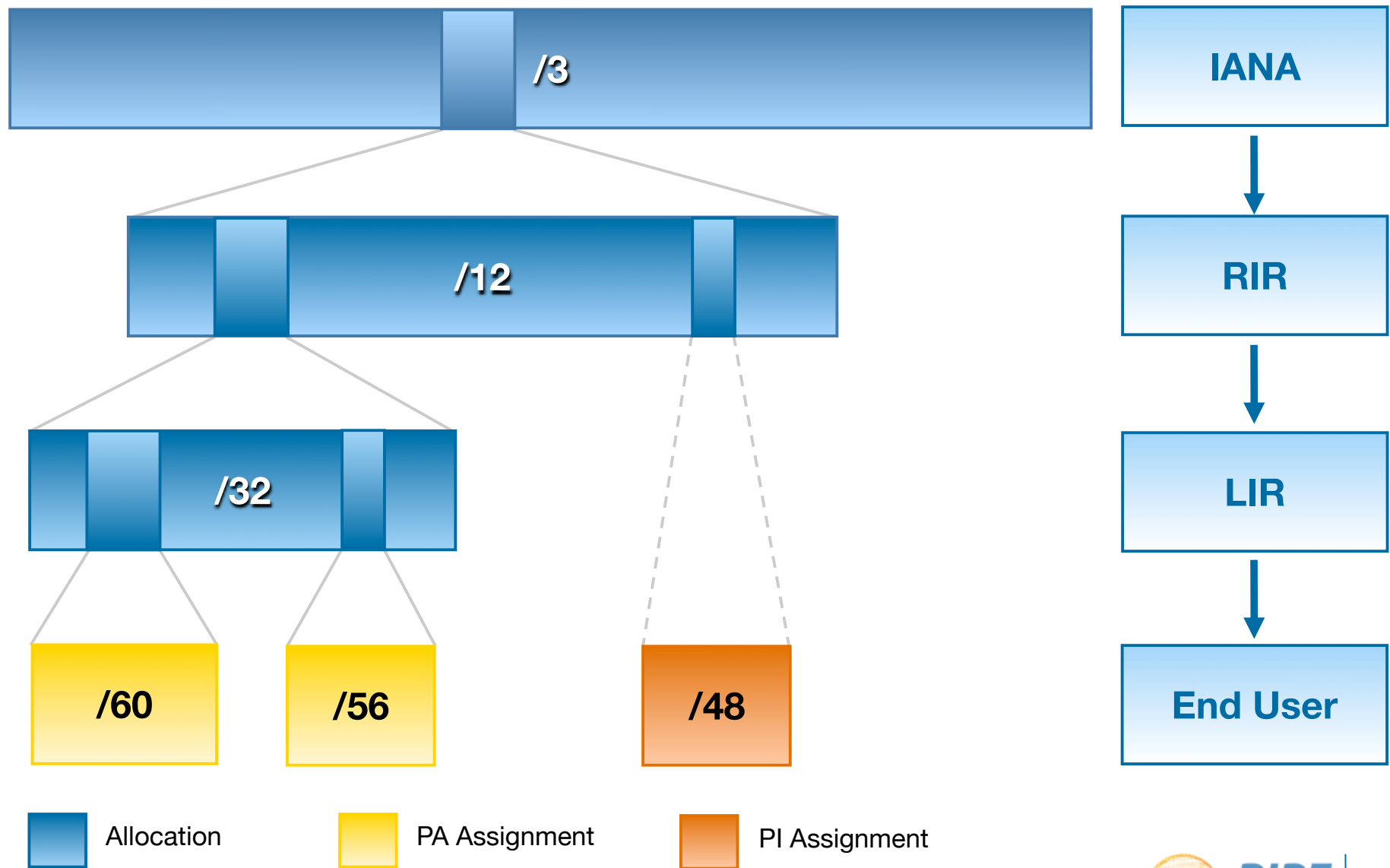
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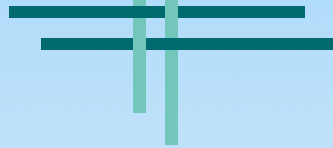
# IPv6 Address Space Distribution



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# RIPE and RIPE NCC

**RIPE**



- Réseaux IP Européens
- Started in 1989
- Not a legal entity
- An open community
- No official membership
- Makes policies
- Meets twice a year
- Work is done in Working Groups on mailing lists



**RIPE**  
NCC

- RIPE Network Coordination Centre
- Started in 1992
- Not-for-profit organisation
- Located in Amsterdam
- Has members called Local Internet Registries (LIRs)
- Implements policies
- Facilitates two RIPE Meetings each year
- Provides services to both members and non-members
- Governed by an Executive Board elected by membership
- Neutral, Impartial, Open, Transparent

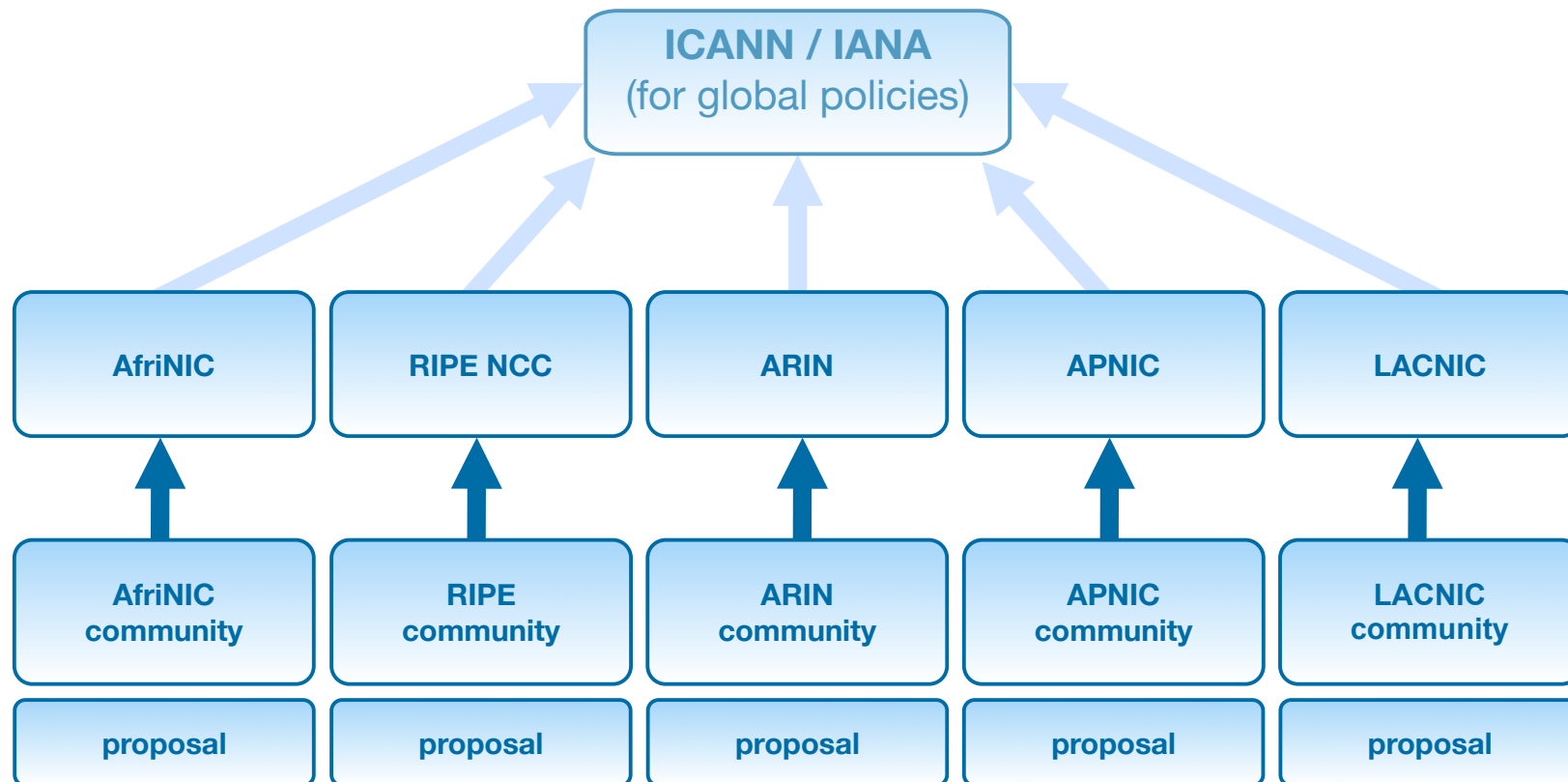


# RIPE Policy Development Process

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- Open
  - Anyone can participate
  - On mailing lists and at meetings
- Transparent
  - List discussions archived publicly
  - Meetings transcribed, webcast, minuted, archived
- Policies developed bottom-up
  - Community members make proposals
  - Community takes time and effort to work on them
  - RIPE NCC implements

# Who Makes Policies?

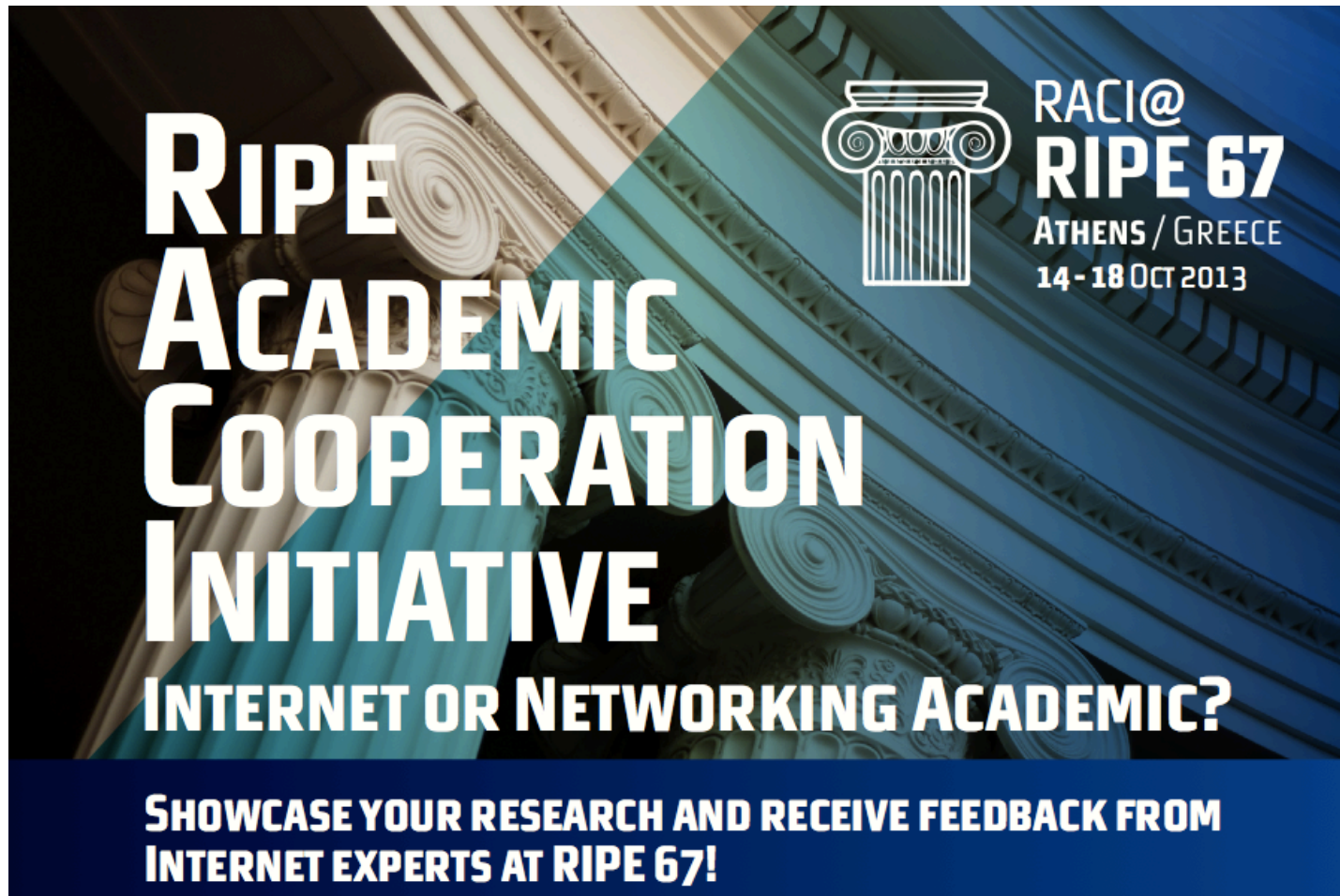


# Topics That **You** Can Influence

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- Cooperation Working Group
  - Internet governance issues, law enforcement
- Routing Working Group (WG)
- Address Policy WG
- Anti-abuse WG
- DNS WG
- Measurements, Analysis and Tools WG
- Open Source WG -- new!!
- (etc.)

# Increasing Involvement of Students: RACI



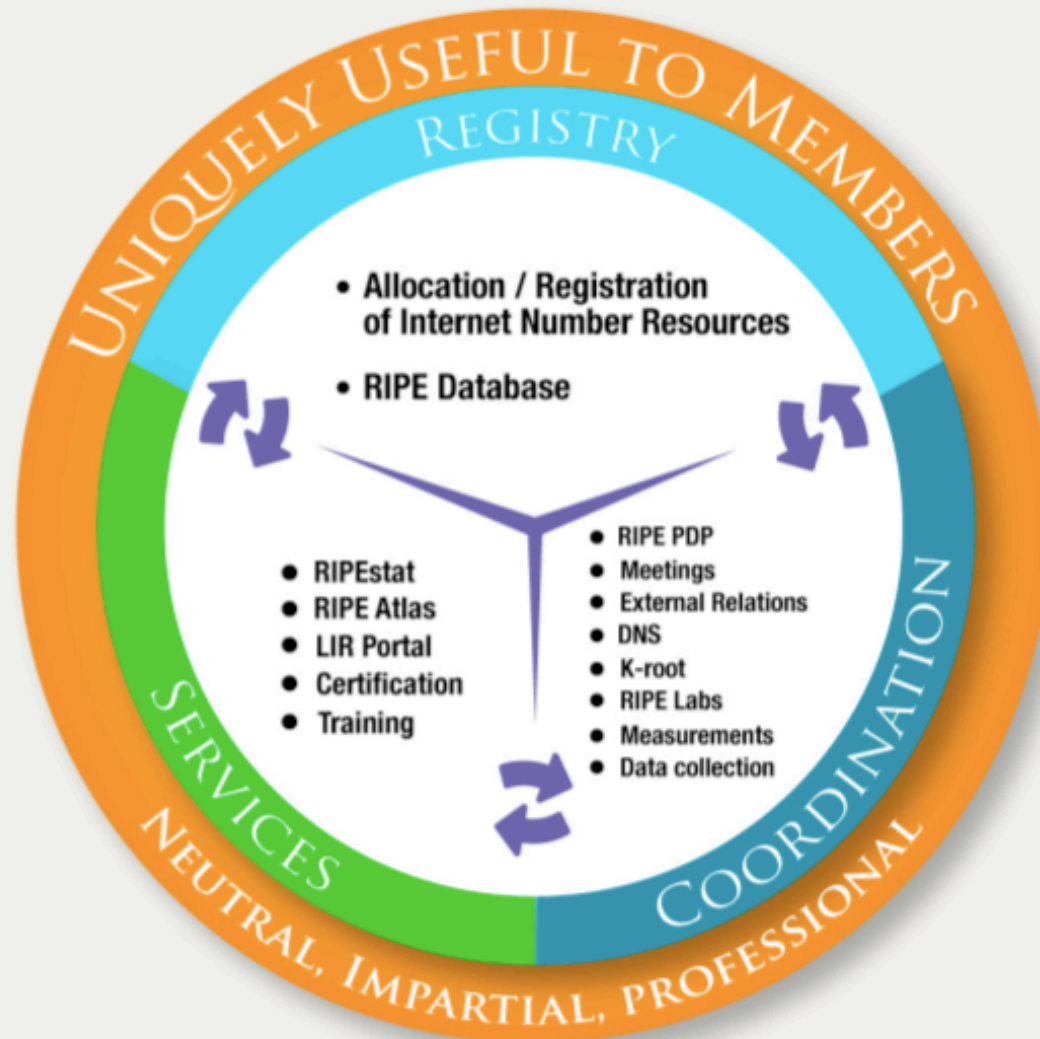
- <https://labs.ripe.net/Members/fergalc/raci-2013-from-dublin-to-athens>

# Not Only an RIR: RIPE NCC Services

Shameless Plug :)



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# RIPE NCC Research & Development

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- Collecting data about Internet addressing, usage of number resources and reverse DNS
  - e.g. <http://IPv6RIPEness.ripe.net>
- **R**outing **I**nformation **S**ervice: Collecting BGP data
- RIPE Atlas: global active measurements
  - ping, traceroute, DNS, SSL from 4000 probes
  - <https://atlas.ripe.net>
- RIPEstat: entry point to & correlation of our data
  - web interface, widgets, API, CLI, raw data, tools
  - <https://stat.ripe.net>



# Contribute! You Can Make a Difference

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- Subscribe **& post** to the mailing lists
- Take part in the face-to-face meetings
  - RIPE community meetings twice a year
  - Regional meetings five times a year (free!)
- Learn from our training material & documentation
- As a member of RIPE NCC, you can
  - attend free training courses and webinars
  - suggest and give feedback on activities and services
  - elect Executive Board
  - vote for the “charging scheme” (fee amount & schedule)

# Take Active Part in Governing the Internet!

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<http://www.ripe.net>

<http://www.ripe.net/internet-coordination/internet-governance>

<http://www.ripe.net/ripe/mail/wg-lists>

<http://www.ripe.net/ripe/meetings>

<http://ripe67.ripe.net/programme/raci>

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