The RIR system

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Internet Protocol (IP) Address

- It needs to be globally unique

- It is an address, not an identity

  - Represents a location in a network

  - If you move, your address is likely to change

193.0.6.190
193.0.6.191
193.0.6.192
193.0.6.193
193.0.6.194
193.0.6.195
193.0.6.196

What is the RIPE community?

- Réseaux IP Européens

- Established in 1989

- Open, bottom-up, inclusive, transparent

- Responsible for making policy, sharing information and best practices

- RIPE structures:

  - Working groups

  - Mailing lists

  - RIPE Meetings

What is RIPE NCC?

- RIPE Network Coordination Centre

- Independent, not-for-profit membership organisation

- Established in 1992

- One of the five RIRs (Regional Internet Registry)

- Serving Europe, the Middle East, parts of Central Asia

- Around 140 staff based in Amsterdam, Dubai and Moscow

What does RIPE NCC do?

- Receives large IP address blocks from IANA

  - Distribute those in smaller blocks to its members

  - Publish and maintain a list of who has which block

  - Implement the rules (policies) set by the RIPE community

- Supports the infrastructure of the Internet through technical coordination

- Provide services for the benefit of the Internet community at large

RIR Service Regions
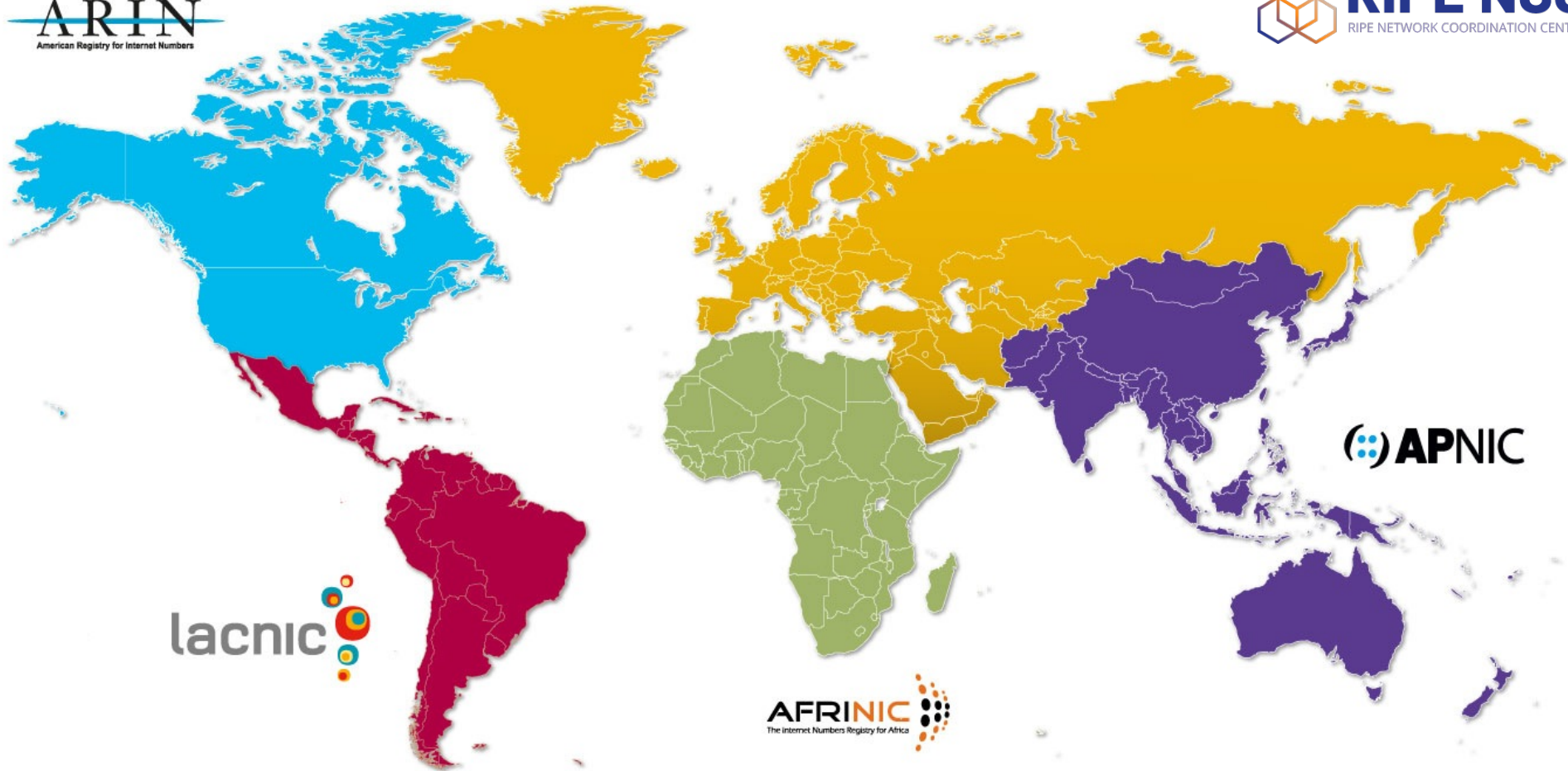
RIPE Policy Development

- Relate to the operation of the Internet (e.g. process of resource allocation, assignment, transfers)

- Developed by and for the RIPE community

- Decisions based on mailing list discussion
  - Face to face meetings help

- Rough Consensus
  - Properly address all concerns and objections
  - Work out differences
  - No voting or counting

Our meetings

- RIPE Meetings - 5 days; in service region

  - RIPE 75, 22-26 October 2017 in Dubai

- ENOG - 2 days; all over Eurasia

  - ENOG 14, 9-10 October in Minsk

- SEE - 2 days; all over South East Europe

  - SEE 7, 18-19 June 2018 in Timisoara

Get Involved

- **RIPE Academic Cooperation Initiative (RACI)**

  - covers travel and accommodation for academics to come and present at our meetings

  - Join the academic mailing list:
    https://www.ripe.net/raci/mailing-list

- **RIPE fellowship**

  - provide travel and accommodation for underrepresented groups to attend

  - Join the mailing list:
    https://www.ripe.net/participate/mail

Learn More

- The RIPE Academy

  - free online courses

  - Local Internet Registry (LIR), RIPE Database, IPv6

  - https://academy.ripe.net

- Online webinars

  - RIPE Atlas, RIPE policies, new LIRs, RIPE Database, IPv6

  - webinar recordings available

  - https://www.ripe.net/support/training/learn-online/webinars

Questions

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