



RIPE

Réseaux IP Européens

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RIPE

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History of RIPE

- **Started in May 1989**
- **First Meeting:**
 - 14 participants
 - Half day
- **Protocol Wars:**
 - OSI is good
 - Invented by the phone companies
 - TCP/IP is bad
 - Not invented by the phone companies



RIPE Terms of Reference

ripe-1: <http://www.ripe.net/ripe/docs/ripe-001.html>

Recognising that IP networks are growing beyond the LAN's in Europe, and are extending over national and international WAN's in Europe, the RIPE co-ordinating body has been created.

RIPE stands for the "Réseaux IP Européens".

The objective of RIPE is to ensure the necessary administrative and technical co-ordination to allow the operation and expansion of a pan-European IP network.

- RIPE acts as a forum for the exchange of technical information and the creation of expertise on IP networking.
- The area of relevance for RIPE is Europe.
- All parties operating wide area IP networks are encouraged to participate.
- RIPE promotes and co-ordinates interconnection of IP networks within Europe and to other continents.
- RIPE establishes agreement on common network management practices and the operational management of the interconnected networks.
- RIPE serves as a focal point for other common activities of the participants related to IP networking.
- All documents produced by RIPE will be publicly available.
- RIPE is not a network service provider. IP networks collaborating in RIPE remain under the executive authority of their respective organisations.

Amsterdam

29 November 1989



What Does RIPE Do?

- ✓ **Operational Coordination of IP Networks**
- ✗ **No Standards Development**
- ✗ **No Names Assignment**
- ✗ **No Network Operation**



About RIPE

- **Not a legal entity**
- **No formal membership**
- **No votes: consensus is the word**

- **Chairman:**
 - Organises the RIPE Meetings
 - Keeps an eye on the work between RIPE Meetings
 - External liaison

- **Real work is done in the Working Groups (WG)**
- **Sometimes Task Forces (TF)**
- **Sometimes Birds of a Feather meetings (BOF)**



RIPE Meetings

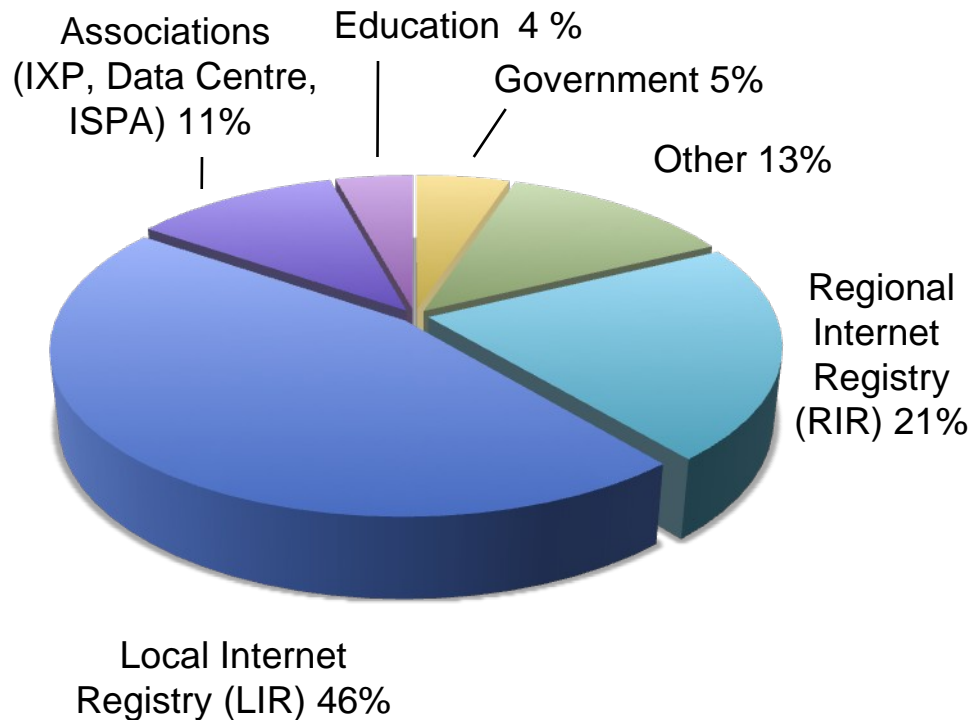
- **Twice a year**
- **Five days long**
- **WG, TF and BOF sessions**
- **Plenary sessions**
- **Other sessions:**
 - Workshops
 - Tutorials
 - RIPE NCC Training

✓ **OPEN - OPEN - OPEN - OPEN**

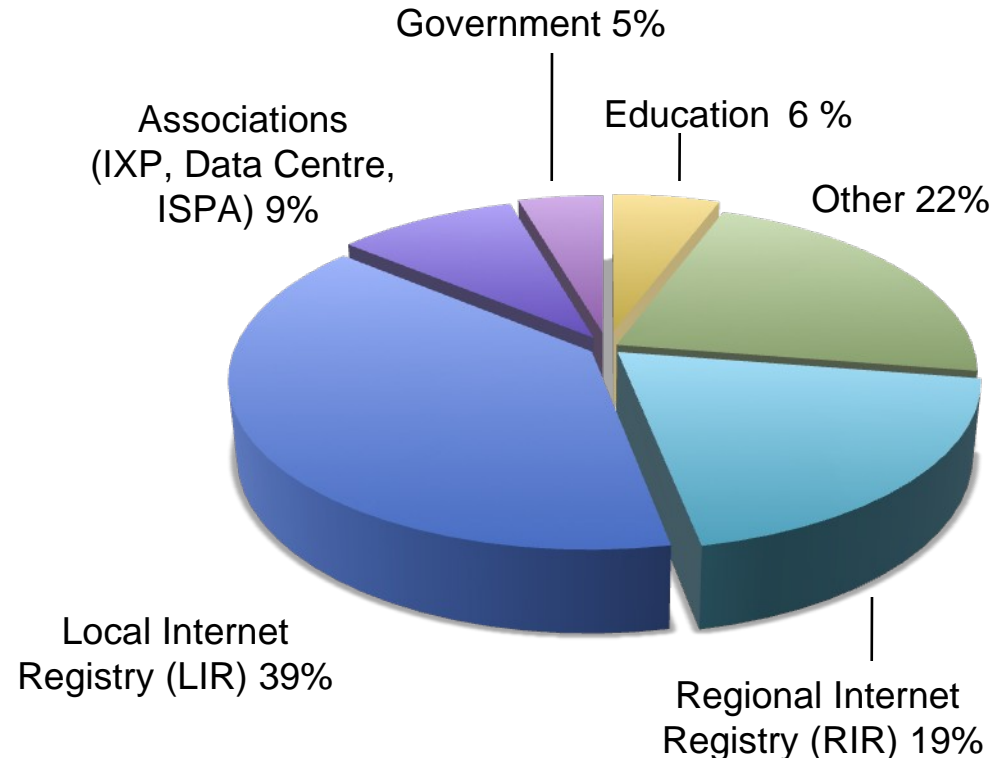


RIPE Meeting Attendance per Organisational Category

RIPE 58 Amsterdam, NL



RIPE 59 Lisbon, PT





RIPE Working Groups (1)

- **Address Policy Working Group:**

Develops policies relating to the management and registration of Internet addresses and routing identifiers (IPv4, IPv6 and Autonomous System (AS) Numbers).

- **Anti-Abuse Working Group:**

Fighting the problem of network abuse.

- **Cooperation Working Group:**

Focusing on cooperation between the private and public sectors on Internet matters.

- **Database Working Group:**

Discussion about the RIPE Database.

- **DNS Working Group:**

Discussion on current DNS related issues in technology and operations.



RIPE Working Groups (2)

- **ENUM Working Group:**

The ENUM Working Group discusses developments relating to Internet resource mapping using E.164 telephone numbers as identifiers, commonly known as ENUM.

- **European Internet Exchange (EIX) Working Group:**

European Internet Exchanges technical issues.

- **IPv6 Working Group:**

Following the progress of specification and implementation of IPv6.

- **RIPE NCC Services Working Group:**

Discussion about new and existing RIPE NCC services and evaluating the RIPE NCC's yearly Activity Plan.



RIPE Working Groups (3)

- **Routing Working Group:**

Discussion and information exchange about Routing Registries.

- **Test-Traffic Working Group:**

Following the progress of the RIPE NCC Test Traffic Measurement (TTM) Service and discussion of data and methods of collection.

How to take part:

- Subscribe to mailing lists
- Participate in RIPE Meetings

✓ **OPEN - OPEN - OPEN - OPEN**



Policy Development Principles

- **Open**

- **Anyone can participate:**
 - Including Governments
- **Policy fora**
- **Mailing lists**

- **Developed Bottom-Up**

- **Internet community**
- **Technology changes**
- **Internet Engineering Task Force (IETF)**

- **Transparent**

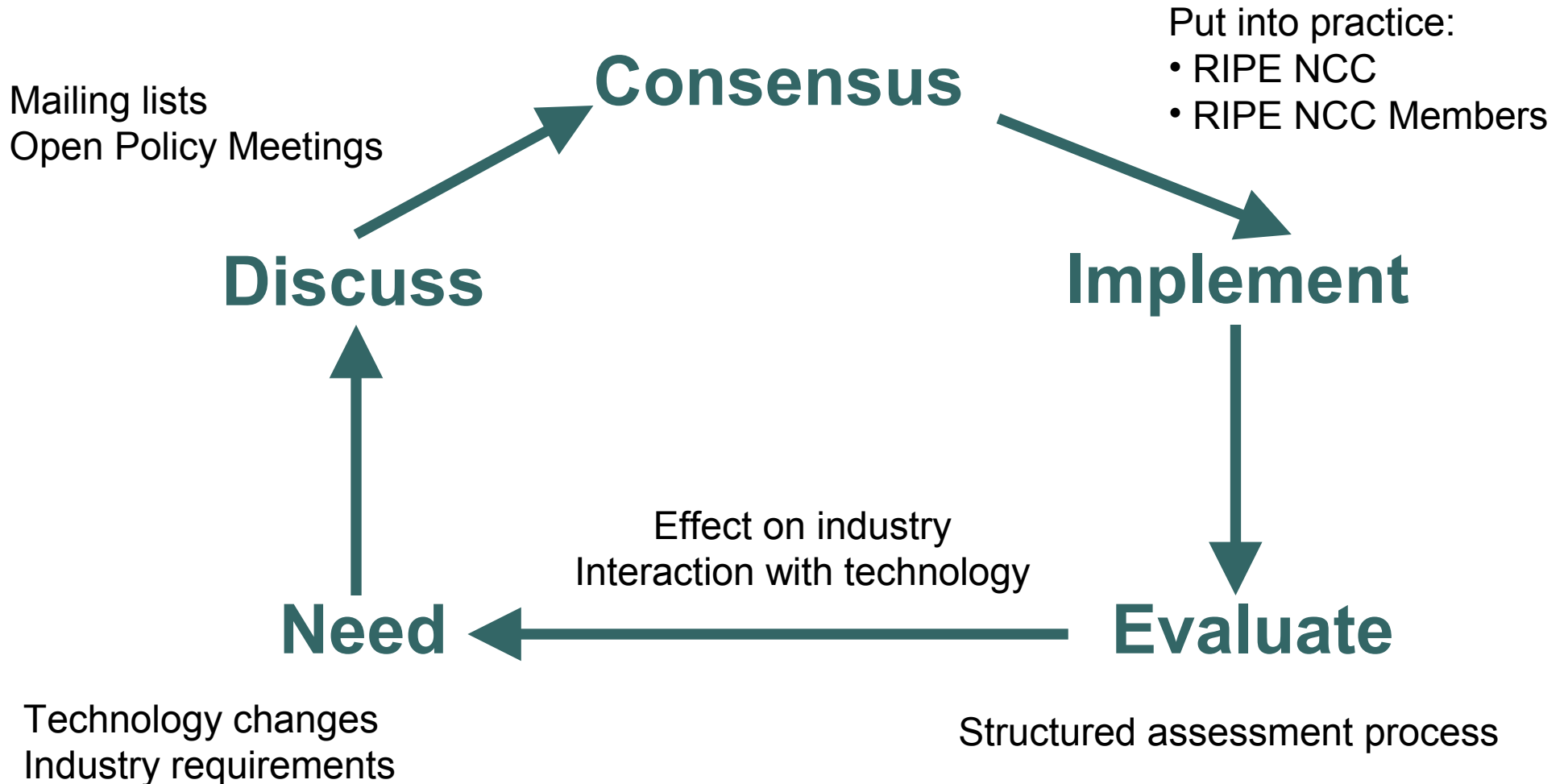
- **Mailing list archives**
- **Minutes:**
 - Policy fora
 - RIR Executive Boards

- **Documented**

- **Formal policy documents**
- **Implementation procedures**



Policy Development Process



Address Management Policy

Conservation

- Efficient use of resources
- Allocation based on need

Aggregation

- Limit routing table growth
- Support provider-based routing policies

Registration

- Ensure uniqueness
- Troubleshooting



More Information

- **RIPE Document Store:**
<http://www.ripe.net/ripe/docs/index.html>
- **RIPE Meetings (including minutes and webcasts):**
<http://www.ripe.net/ripe/meetings/index.html>
- **RIPE Mailing Lists/Mailing List archives:**
<http://www.ripe.net/ripe/maillists/index.html>
- **RIPE Working Groups:**
<http://www.ripe.net/ripe/wg/index.html>
- **RIPE Policy Development:**
<http://www.ripe.net/ripe/policies/index.html>

Questions?

