



RIPE

Réseaux IP Européens

Rob Blokzijl

RIPE Chairman

K13@NIKHEF.nl



RIPE

- **History**
- **Terms of Reference**
- **About RIPE**
- **RIPE Working Groups**
- **RIPE Meetings**
- **Policy Development Process**
- **More Information**



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

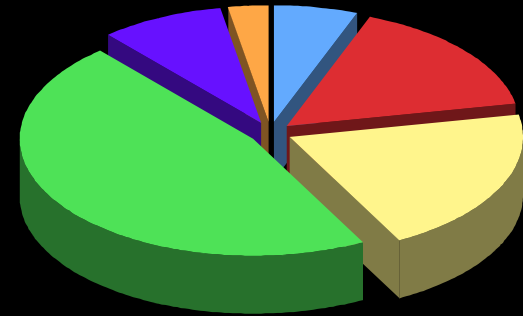
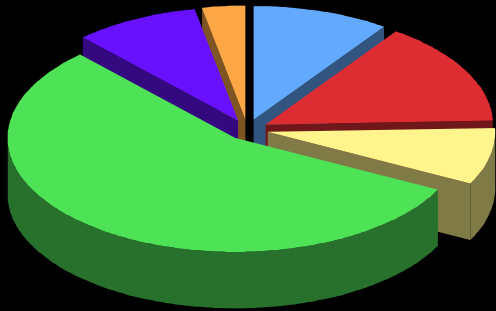
✓ **OPEN - OPEN - OPEN - OPEN**



RIPE Meeting Attendance per Organisational Category

RIPE 53, Amsterdam

RIPE 54, Tallinn





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-Spam Working Group:**

Fighting the problem of spam.

- **Database Working Group:**

Discussion about the RIPE Database.

- **DNS Working Group:**

Discussion on current DNS related issues in technology and operations.

- **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.



RIPE Working Groups (2)

- **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.
- **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.



RIPE Working Groups (3)

- **How to take part:**
 - Subscribe to mailing lists
 - Participate in RIPE Meetings

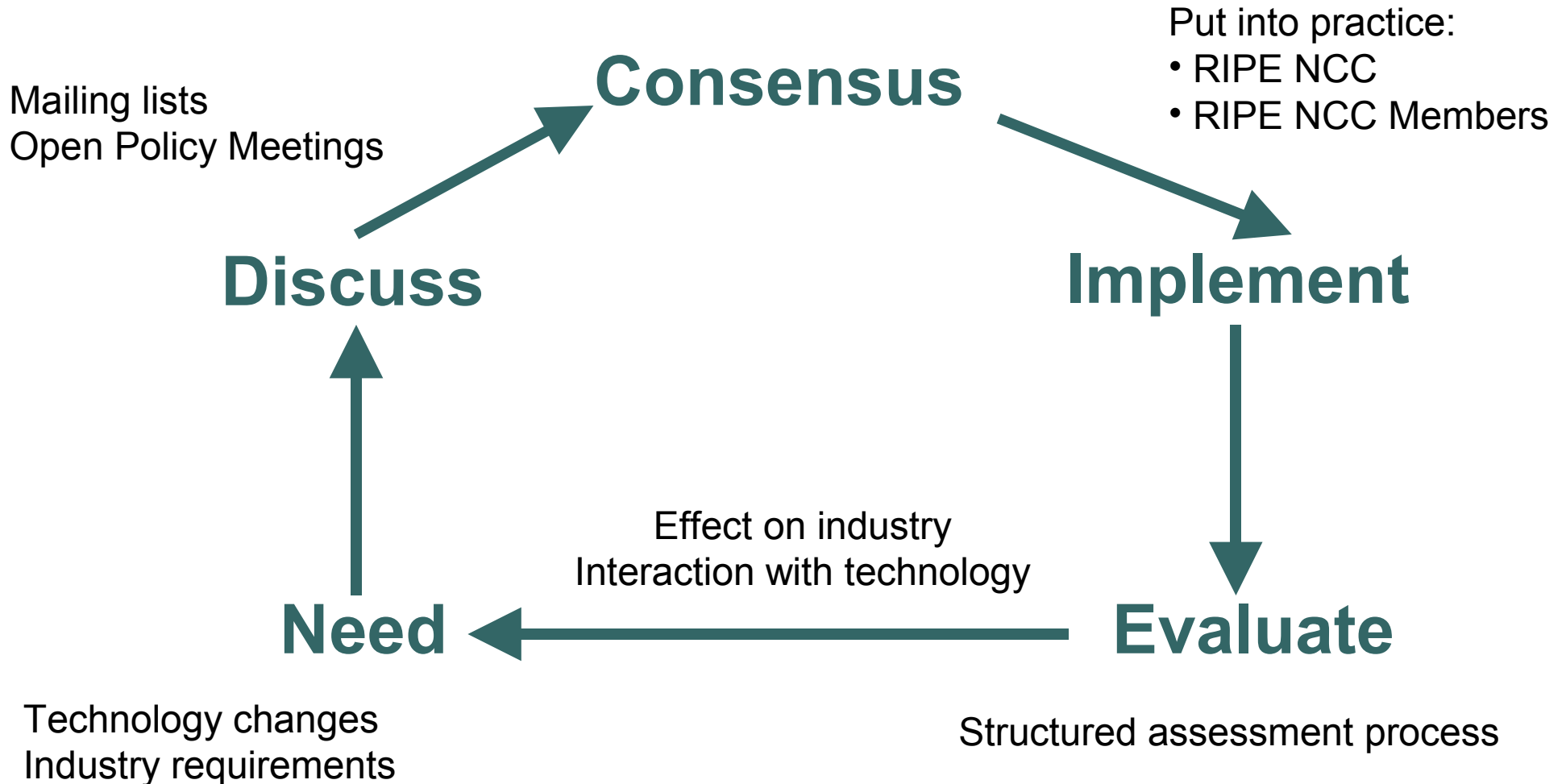
✓ **OPEN - OPEN - OPEN - OPEN**

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?

