



# Euro-IX Update

*LAC Peering Forum 2018*

*30 April 2018*



# Association of IXPs

82 affiliated members

- 56 IXPs in the Euro-IX region, 49 countries, operating over 100 peering LANs
- 26 IXPs from the rest of the world
- Newest members:
  - SAIX (Saudi Arabia)
  - CRIX (Cost Rica)





# Euro-IX Patrons



THE ELASTIC NETWORK

**ciena**

**NOKIA**

**JUNIPER**  
NETWORKS

**ARISTA**

**interxion**<sup>TM</sup>



**EQUINIX**

**Extreme**<sup>®</sup>  
Connect Beyond the Network

**Coriant**

**smartoptics**

**euro-ix**



# Euro-IX Staff

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## London

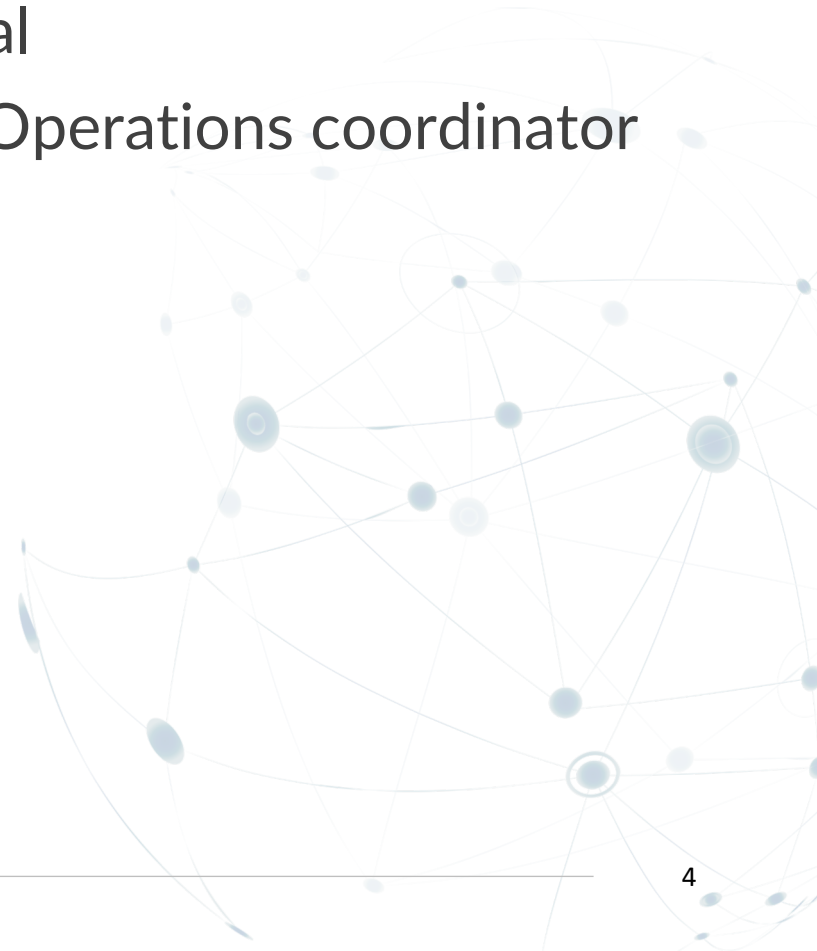
- Bijal Sanghani – Secretary General
- Rebecca Class-Peter – Events & Operations coordinator

## Peterborough

- Michael Lewis – UK Accountant

## Amsterdam

- V EVP – NL Accountants







# Euro-IX Board



Andy Davidson  
IXLeeds/Asteroid



Ondrej Filip  
NIX.CZ



Kurtis Lindqvist  
LINX



Harald Michl  
VIX



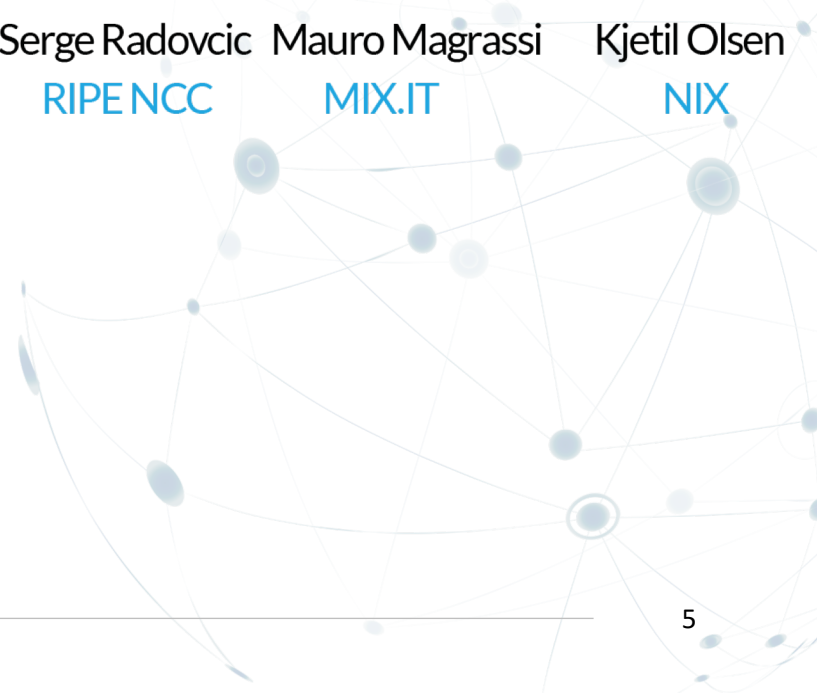
Serge Radovicic  
RIPE NCC



Mauro Magrassi  
MIX.IT



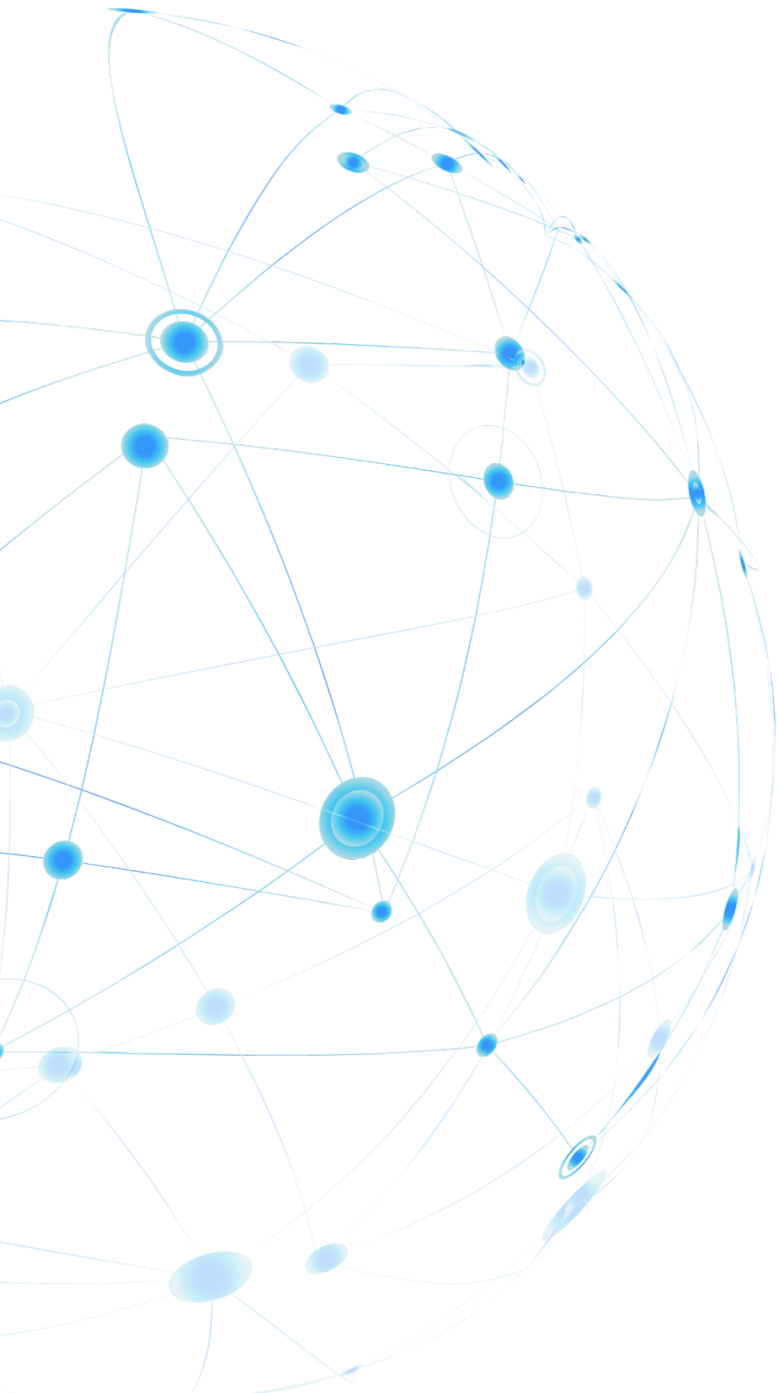
Kjetil Olsen  
NIX





# Euro-IX Activities

- Two forums a year
- Publish a number of reports
- Collect monthly traffic statistics
- Fellowship and Mentor-IX programs
- Newsletter – Subscribe here: <https://www.euro-ix.net/en/communications/newsletters/>
- Working Groups
- Social Media
  - Twitter @euroix
  - Facebook fb.me/maineuroix
  - YouTube youtube.com/channel/UCFyucVRAAMzxyJlsxnGwsjw



# Benchmarking Club





# Euro-IX Benchmarking Club

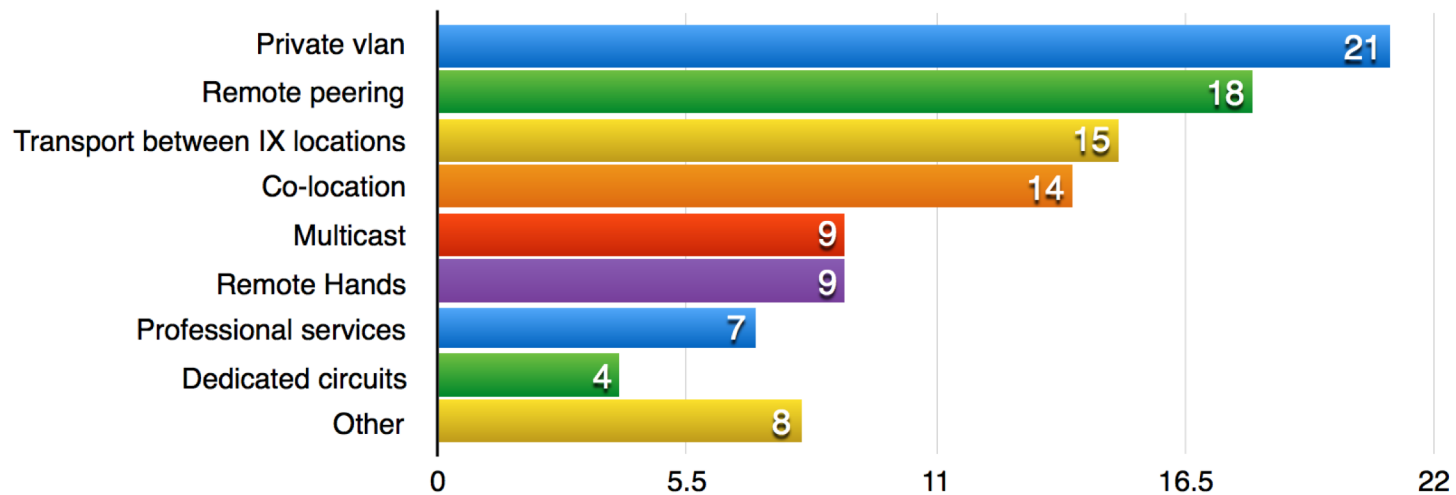
- Committee –
  - John Souter - LINX
  - Luca Cicchelli – TOP-IX
  - Stefan Wahl - ECIX
  - Maria Isabel Gandía Carriedo - CATNIX
- We closed the BMC on **19<sup>th</sup> March**
- The more IXPs that we get involved the more accurate and more valuable the information will be –
  - Round 11 we had 44 participants
  - Round 12 we had 30 participants
  - **Round 13 we had 38 participants**



# Euro-IX Benchmarking Club - Results

## 15/ What extended services do you offer?

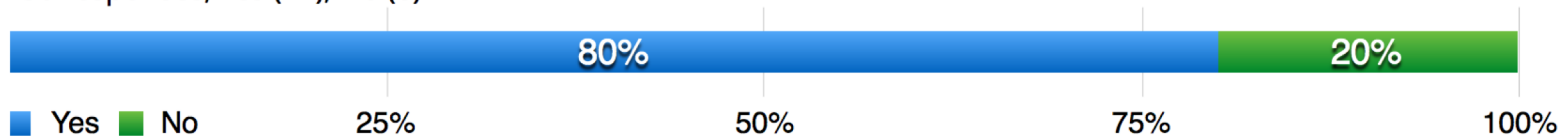
28 responses with many offering more than one service:



# Euro-IX Benchmarking Club - Results

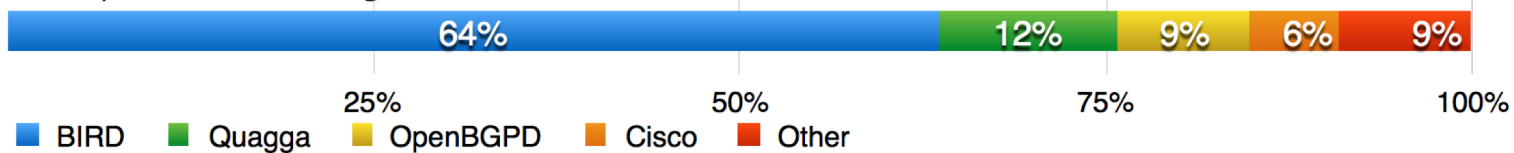
## 37/ Do you currently use Route Servers?

30 responses, Yes (24), No (6)



## 41/ If you use Route Servers, which one do you use?

30 responses, with 3 listing more than one daemon

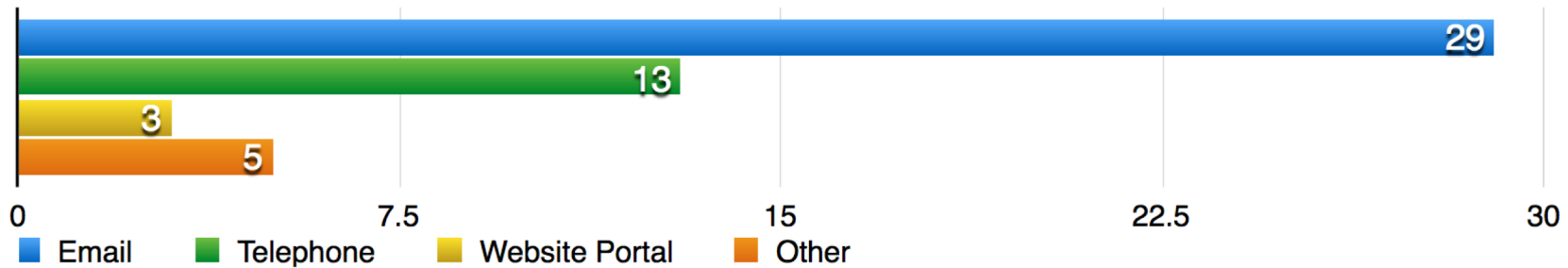




# Euro-IX Benchmarking Club - Results

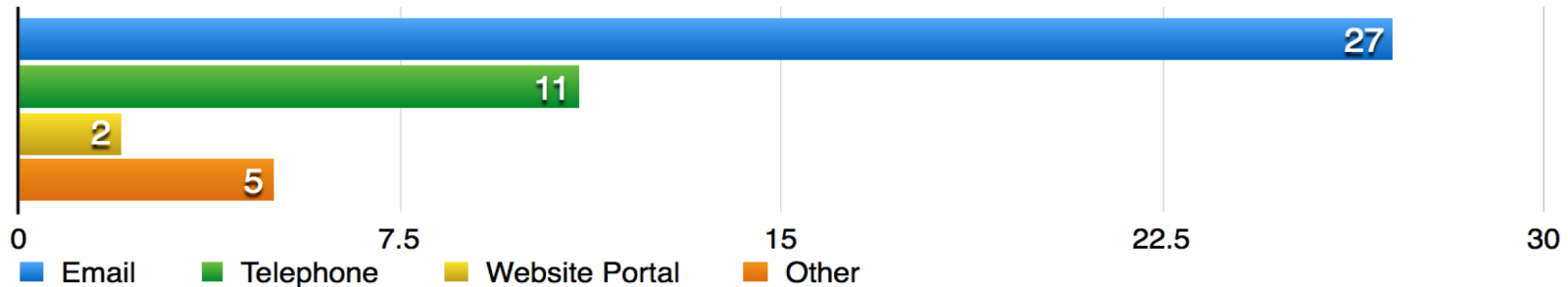
## 52/ By what method do you receive the most service requests?

Multiple responses, Email 29, Telephone 13, Website 3, Others 5 (IRC (2), Facebook, Twitter, Skype)



## 53/ By what method do you receive the most incident reports?

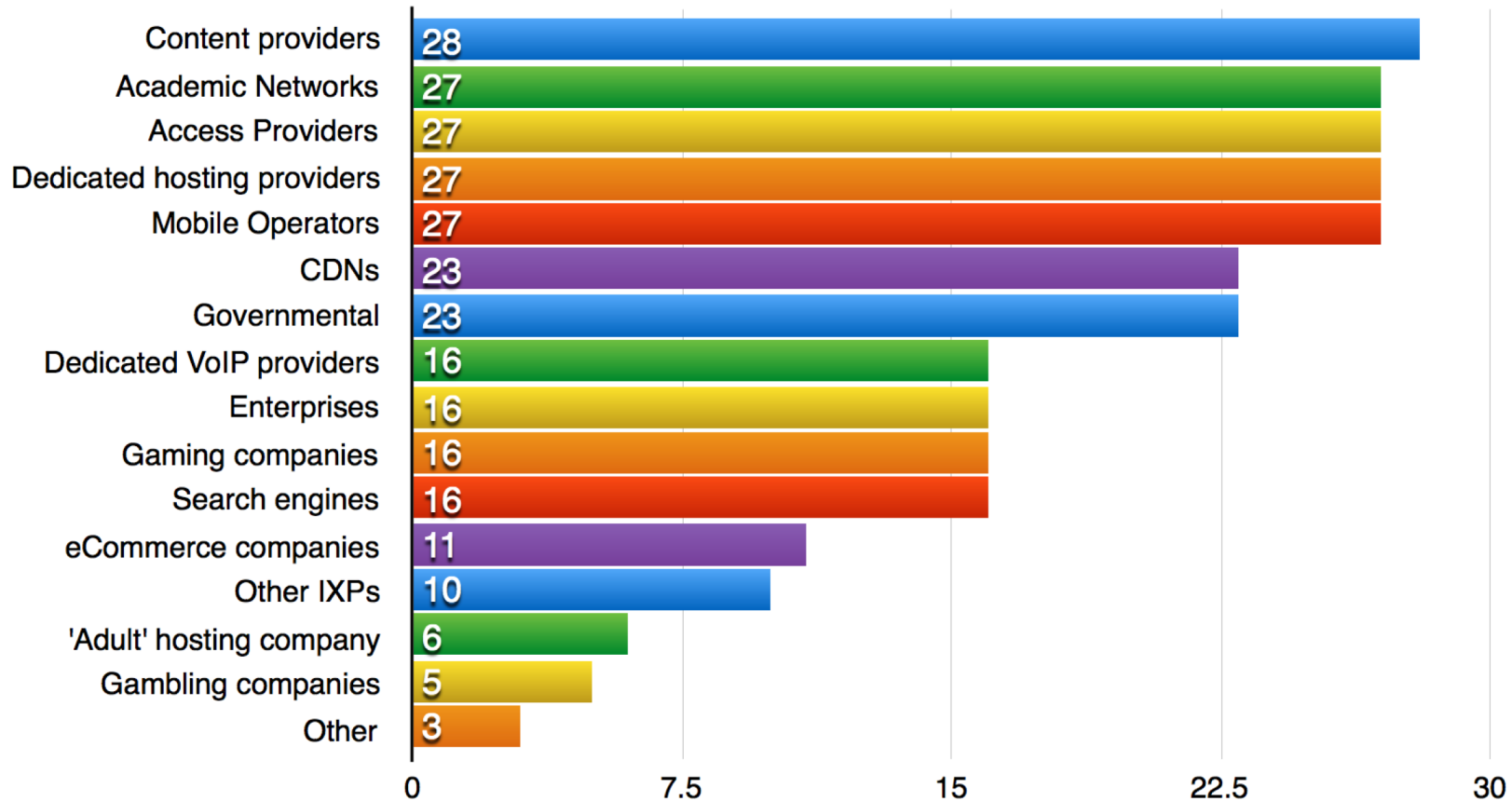
Multiple responses, Email 27, Telephone 11, Website 2, Others 5 (Twitter (2), Signal, Skype, IRC)



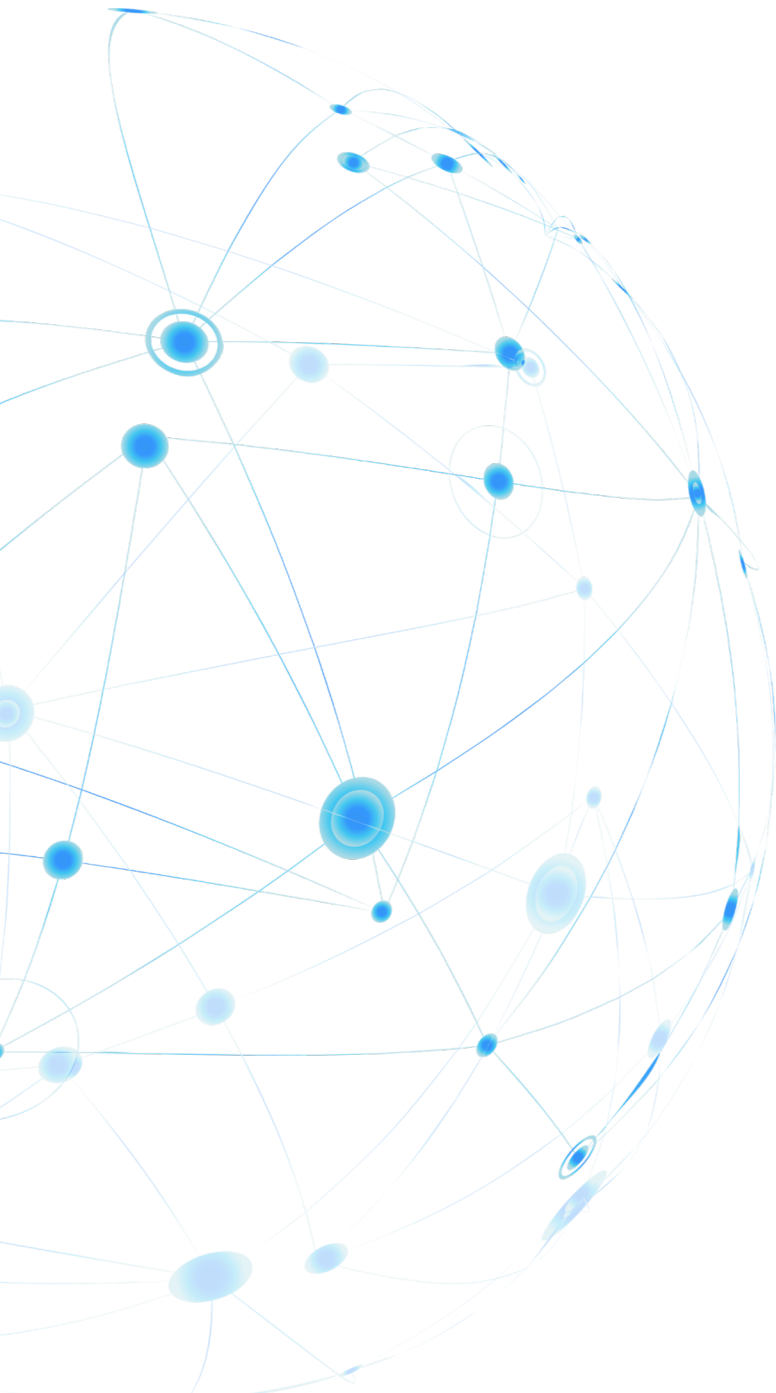
# Euro-IX Benchmarking Club - Results

## 56/ Do you have any of the following types of members/customers at your exchange?

281 responses, multiple answers per IXP







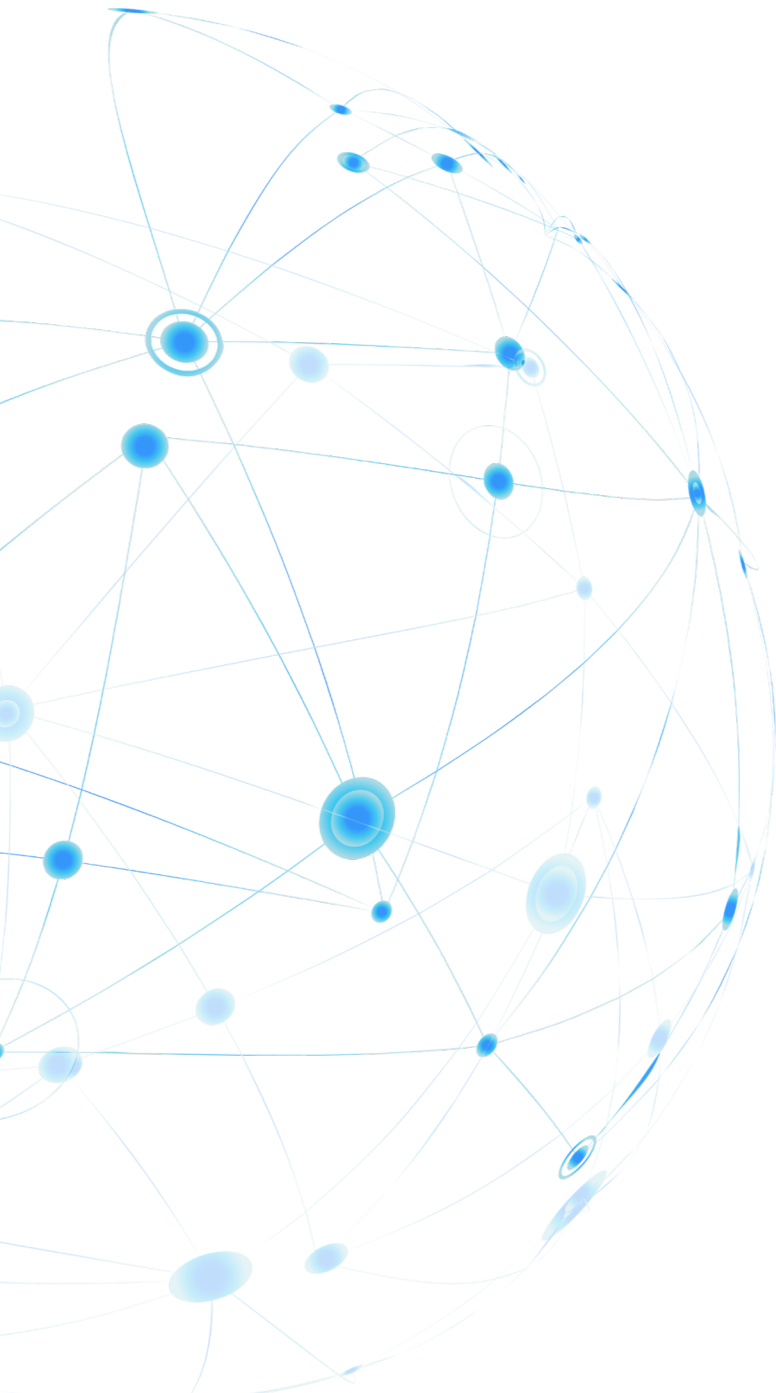
# The Euro-IX RS Large BGP Community standard list





# Route Server Large BGP community standard list

- In 2017 RFC 8092 and 8195 was published – Large BGP Communities
- A number of IXPs got together and agreed a definition and standard list of BGP Large Communities to use on Route Servers
- Helps the community understand what information is being conveyed
- Two ranges defined:
  - Action communities - 0-999
  - Information communities – 1000 - 1999
- Includes reserved space for future additions
- List available - <https://www.euro-ix.net/en/forixps/large-bgp-communities/>



# Spamhaus



# Issues with Spamhaus

- Issues with Spamhaus blocking IXP
  - Spamhaus asked some Euro-IX members to disconnect some networks they believed to be spammers or have customers who engage in spam.
  - We acknowledge the damage that Spam and related abuse does
  - Spamhaus has black-listed IXP mail servers, which causes communication issues between IXP operators and it's participants
  - Engaged with Spamhaus and looking at next steps how we can work together to stop them doing this.



# Euro-IX Video



Short video about IXPs, available now in English, Italian, German, French, Spanish, Portuguese, Arabic, Mandarin, Russian, Romanian and Greek subtitles.



euro-ix