What do we do?

• 2 Forums per year
• Maintaining the Website, database and tools
• Newsletter – Subscribe here: www.euro-ix.net/newsletters
• Working Groups
• Annual European IXP Report
• “Good for the internet” projects

Why do we do it? Good of the community!
Association of IXPs

76 affiliated IXPs:

• 53 IXPs in the Euro-IX Region=> in 32 Countries, operating over 100 IXPs

• 23 IXPs from the rest of the world

• Newest Members:
  Angonix (Angola), SOX (Serbia)
11 Patrons

- ADVA Optical Networking
- Alcatel-Lucent
- Brocade
- BTI Systems
- Extreme Networks
- Huawei

- Interxion
- Juniper Networks
- MRV
- Telecity
- Telehouse
Euro-IX Database
Range of ASNs connected to Members

- 6 - 25 ASNs
  - KINIX (Congo), FICIX (Finland)

- 26 - 50 ASNs
  - SOX (Serbia), UAE-IX (UAE)

- 51 - 100 ASNs
  - NaMeX (Italy), JPNAP (Japan)

- 101 - 200 ASNs
  - UA-IX (Ukraine), TorIX (Canada)

- 201 - 400 ASNs
  - PLIX (Poland), MSK-IX (Russia)

- 401 - 704 ASNs
  - PTT.br (Brazil), AMS-IX (NL)
Who connect to our Members

=> 91% of our member IXPs had dedicated hosting providers connected to their exchange in 2014
=> the 1GigE and 10 GigE ports were the types the most used at member IXPs in 2014
Use of Route Servers

Proportion of Euro-IX Member IXPs using Route Servers:
- Route Servers: 79%
- No Route Servers: 21%

Average proportion of IXP participants that are on Route Servers:
- Participants on route servers: 81%
Route Server DB – Daemons used

- Bird: 57%
- Cisco: 19%
- Quagga: 14%
- OpenBGPd: 9%
- Other: 1%
IXPs in Euro-IX Region

189 known IXPs
48 Countries
142 Cities

Check our Map: www.euro-ix.net/location-of-ixps
Traffic Growth in Euro-IX Region

- Known aggregated traffic over public peering LAN
- From **15,887 Gbps** to **20,228 Gbps**
- Data collected from 85 IXPs
Internet Exchange Federation
Internet Exchange Federation (IX-F)

- MOU signed by APIX, Euro-IX and LAC-IX to form the IX-F in November 2012 – [www.ix-f.net](http://www.ix-f.net)
- Af-IX signed the MoU to join the IX-F
- Idea to have a Global IXP DB
- Global IXP BCOPs
- Automate Data Collection from IXPs
- Plans to collaborate with other external Databases
IX-F Board

• Af-IX
  Nishal Goburdhan – JINX (South Africa)
  Kyle Spencer – UIXP (Uganda)

• APIX
  Raphael Ho - Equinix (Hong Kong)
  Katsuyasu Toyama - JPNAP (Japan)

• Euro-IX
  Arnold Nipper - DE-CIX (Germany)
  John Souter - LINX (United Kingdom)

• LAC-IX
  Ariel Graizer - NAP CABase (Argentina)
  Milton Kashiwakura - PTT.br (Brazil)
IXPs outside Euro-IX Region
IXPs in APIX Region

89 known IXPs
19 Countries
49 Cities

Check our Map: www.euro-ix.net/location-of-ixps
Traffic Growth in APIX Region

- Known aggregated traffic over public peering LAN
- From 1,195 Gbps to 1,563 Gbps
- Data collected from 17 IXPs
IXPs in Af-IX Region

- 33 known IXPs
- 25 Countries
- 31 Cities

Check our Map: [www.euro-ix.net/location-of-ixps](http://www.euro-ix.net/location-of-ixps)
Traffic Growth in Af-IX Region

- Known aggregated traffic over public peering LAN
- From 127 Gbps to 154 Gbps
- Data collected from 11 IXPs
IXPs in LAC-IX Region

56 known IXPs
16 Countries
49 Cities

Check our Map: www.euro-ix.net/location-of-ixps
Traffic Growth in LAC-IX Region

- Known aggregated traffic over public peering LAN
- From **428 Gbps** to **703 Gbps**
- Data collected from 29 IXPs
IXPs in NA-IX Region

- 102 known IXPs
- 2 Countries
- 57 Cities

Check our Map: [www.euro-ix.net/location-of-ixps](http://www.euro-ix.net/location-of-ixps)
Traffic Growth in NA-IX Region

- Known aggregated traffic over public peering LAN
- From 852 Gbps to 1,206 Gbps
- Data from 13 to 21 IXPs
IXPs in the Middle East

8 known IXPs
14 countries

(PeeringDB has 7 IXPs and 10 networks)

Check our Map: www.euro-ix.net/location-of-ixps
The Internet Revealed – IXP Movie

Now available in Arabic, French, Turkish, Spanish, Romanian, Portuguese and German, check out our Youtube channel: https://www.youtube.com/channel/UCFyucVRAAMzxyJlsxnGwsjw

=> more languages to come, if your interested in translating the video, contact us!
Thank you!

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