

Euro-IX Update

RIPE65 - Amsterdam

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Euro-IX Affiliates

- 65 affiliated IXPs :
 - 51 IXPs in Europe (30 Countries)
 - Operating over 70 Internet exchanges
 - 14 IXPs from the rest of the world
 - Latest member to join ALB-IX , JINX and MOZ-IX (twined with Netnod)
- 11 affiliated patrons:
 - ADVA Optical Networking
 - Brocade
 - Extreme Networks
 - Interxion
 - MRV
 - Telehouse
 - Cisco
 - Force10 now DELL
 - Juniper Networks
 - Telecity
 - Transmode

The past..

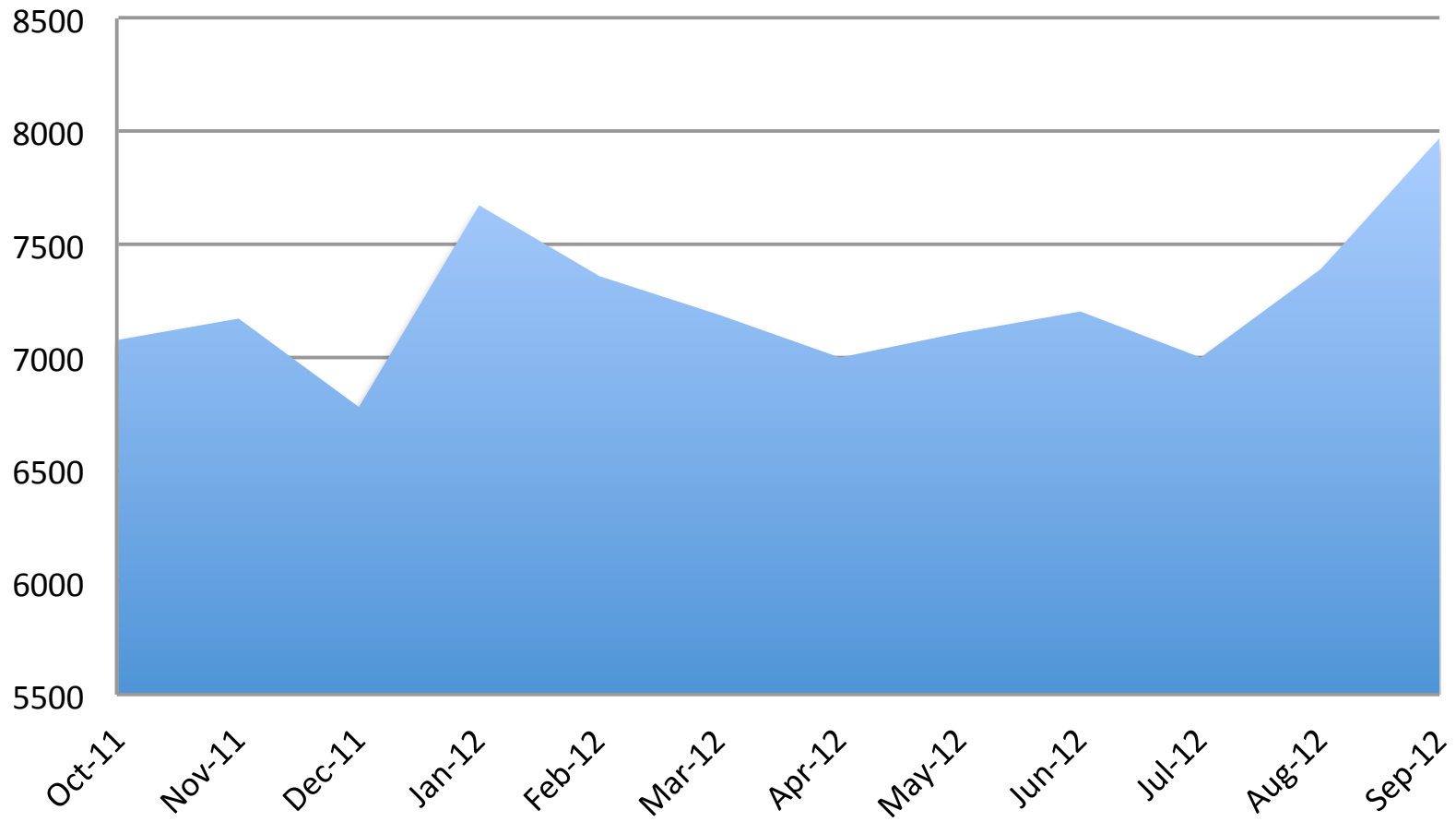
- First IXPs appeared around the start of the 1990s
- Initially from academic and research institutes
- Commercial IXPs emerged around 2000/2001
- Between 2001 to 2003 we saw the establishment of 42 IXPs

153 known IXPs in Europe
42 (50) Countries
118 Cities

● **Euro-IX Affiliated IXPs**
● **Non Euro-IX Affiliated IXPs**



Euro-IX Membership Traffic (Gbps) 12 Months over the Public Peering LAN



Euro-IX in other Regions

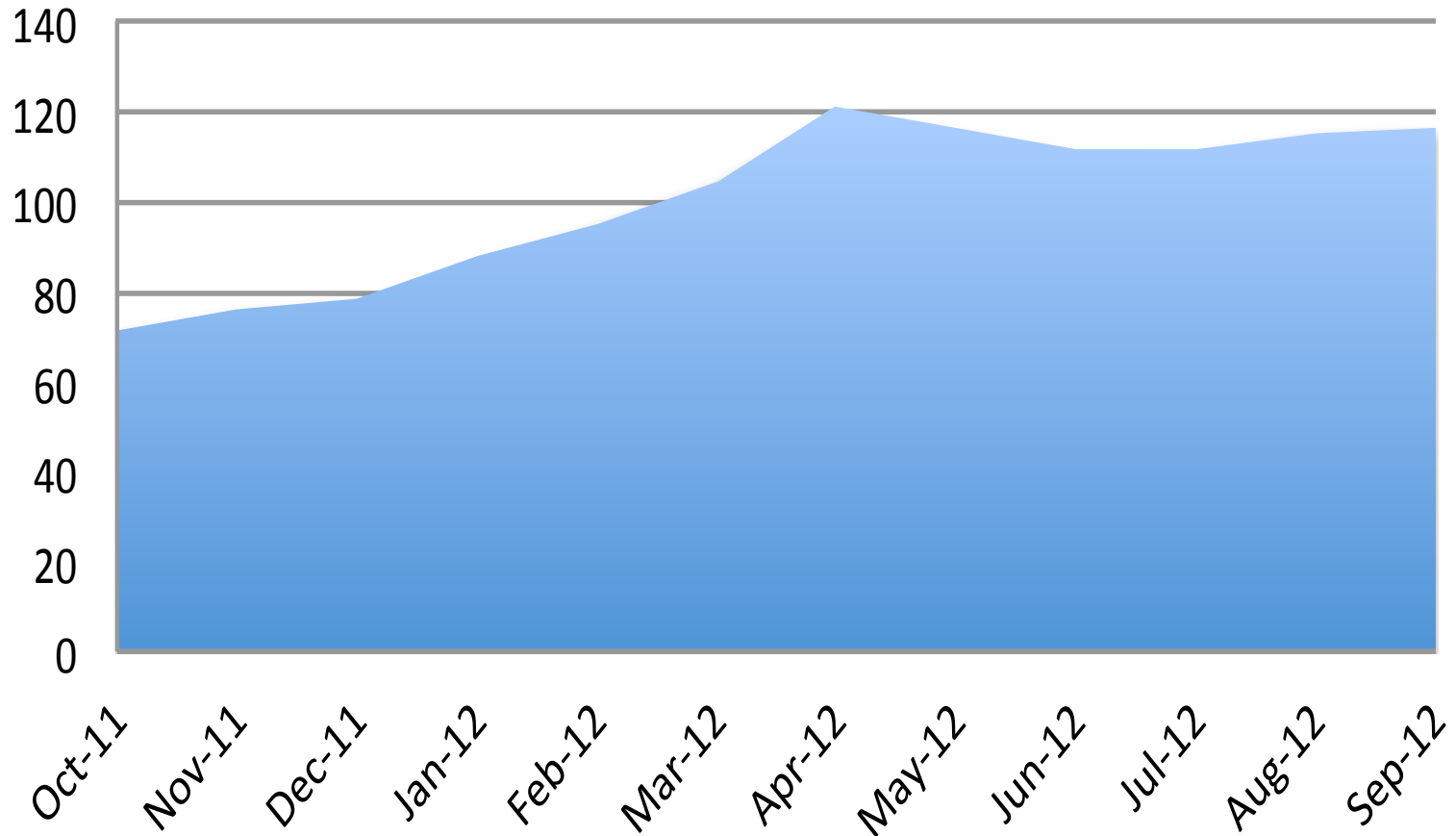
- Africa Members – 4
 - Twin DE-CIX – TIX
 - Twin NETNOD – KIXP
 - Twin NETNOD – MOZ-IX
- Asia Members – 5
 - Twin DE-CIX - NPIX
- Latin America and Caribbean Members – 2
- USA Members – 4

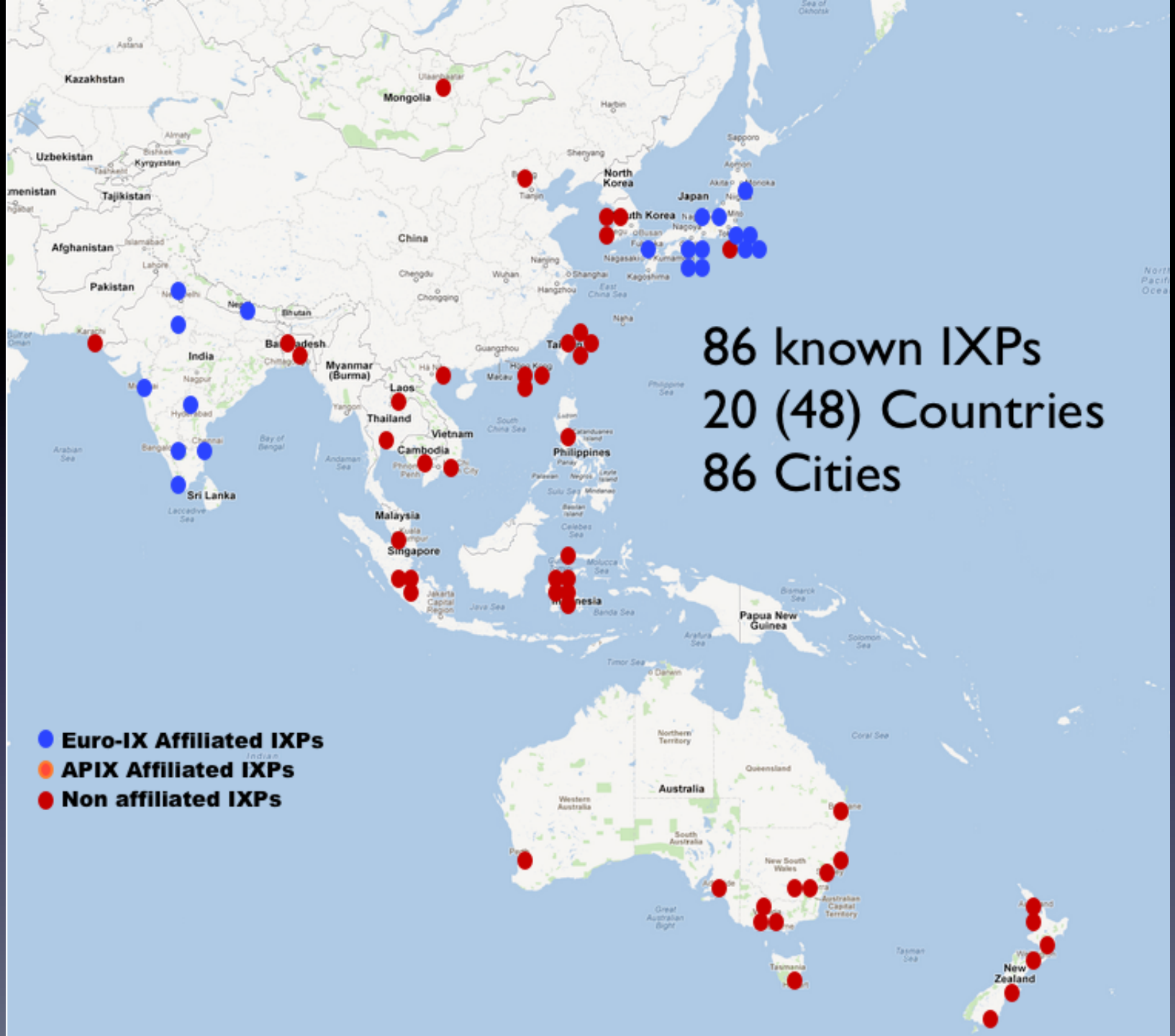
Federation of Internet Exchanges

- Since 2005 non EU IXPs were invited to Euro-IX
- Formation of LAC-IX , APIX and AF-IX
- MoU to form the IX-F
- Idea to have a Global IXP DB
- Automate Data Collection
- Set standards

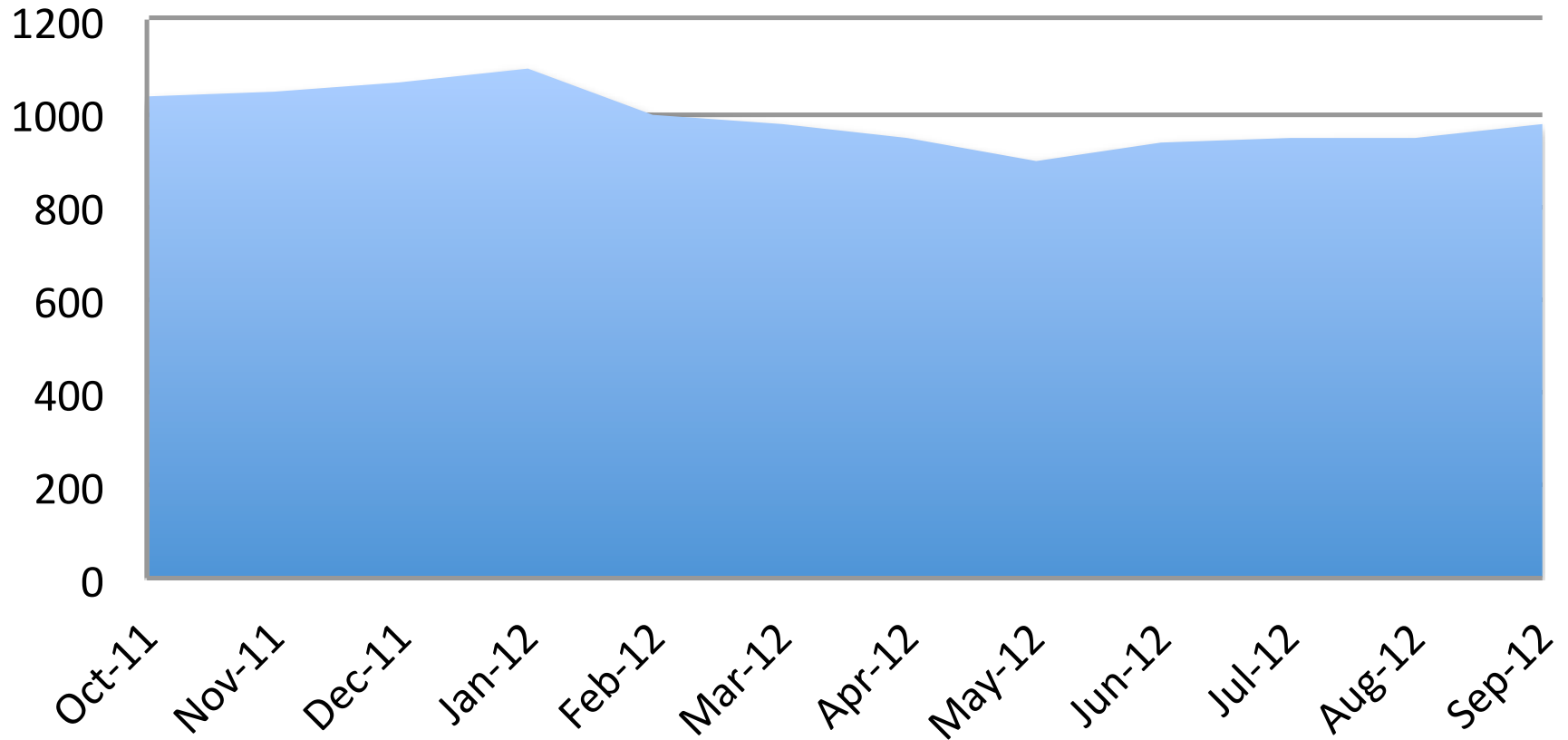
Known LAC-IX region IXPs traffic in Gbps

47% increase in 12 months





Known Asia region IXPs traffic in Gbps

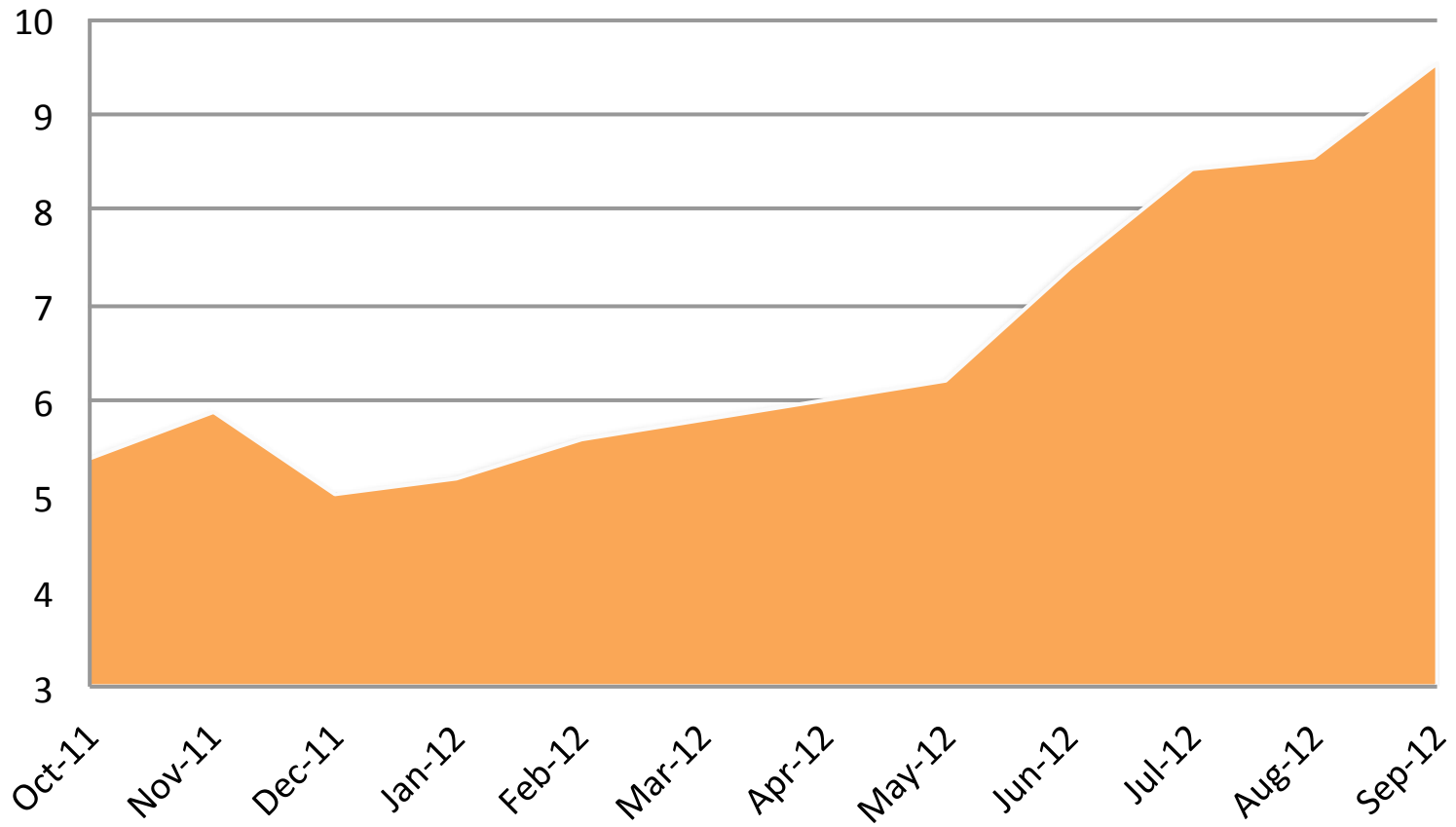


25 known IXPs
18 (54) Countries
24 Cities

- Euro-IX Affiliated IXPs
- Non Euro-IX Affiliated IXPs
- Status Unknown IXPs



Known African IXP Traffic in Gbps

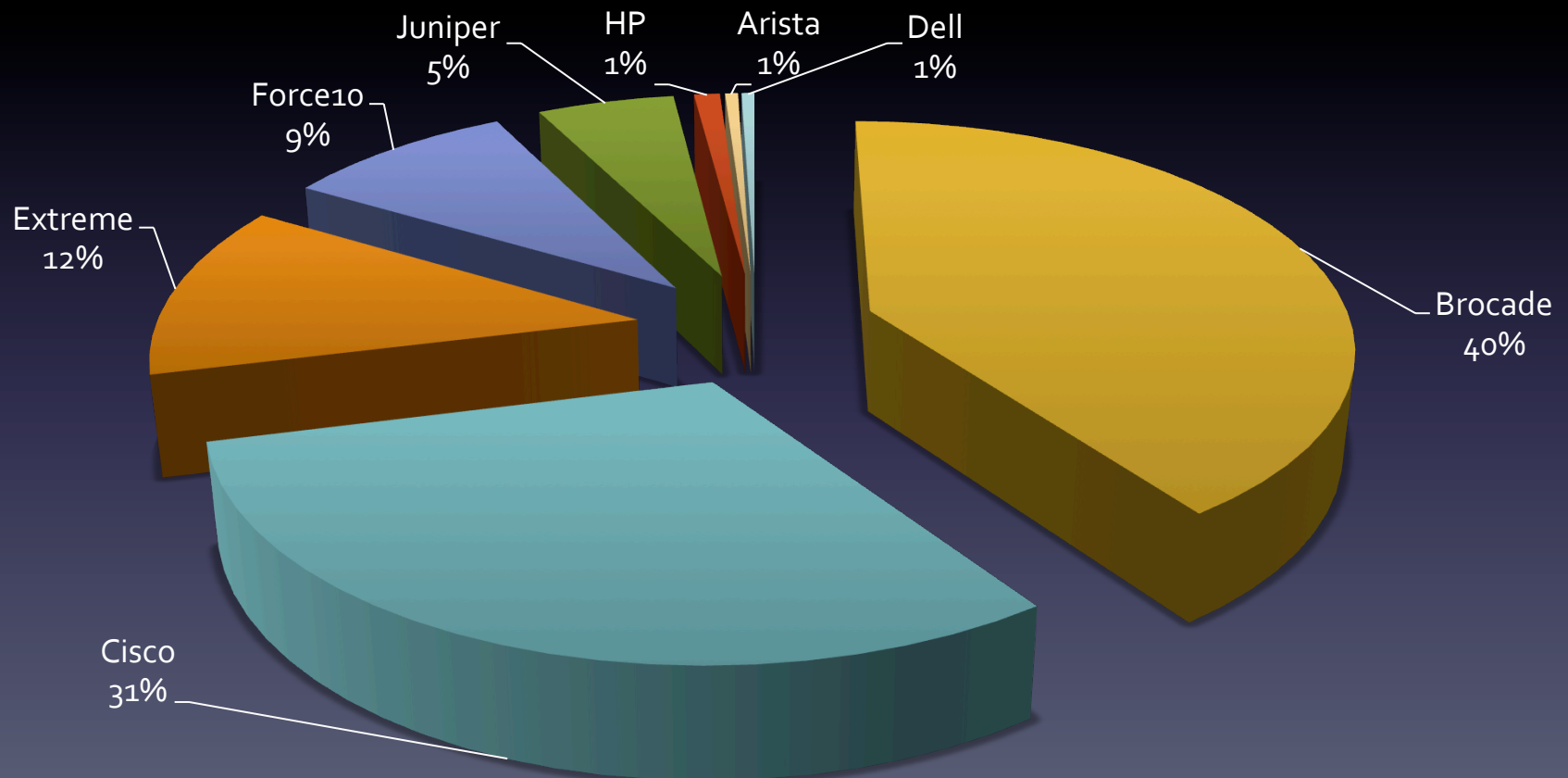


What else does Euro-IX do

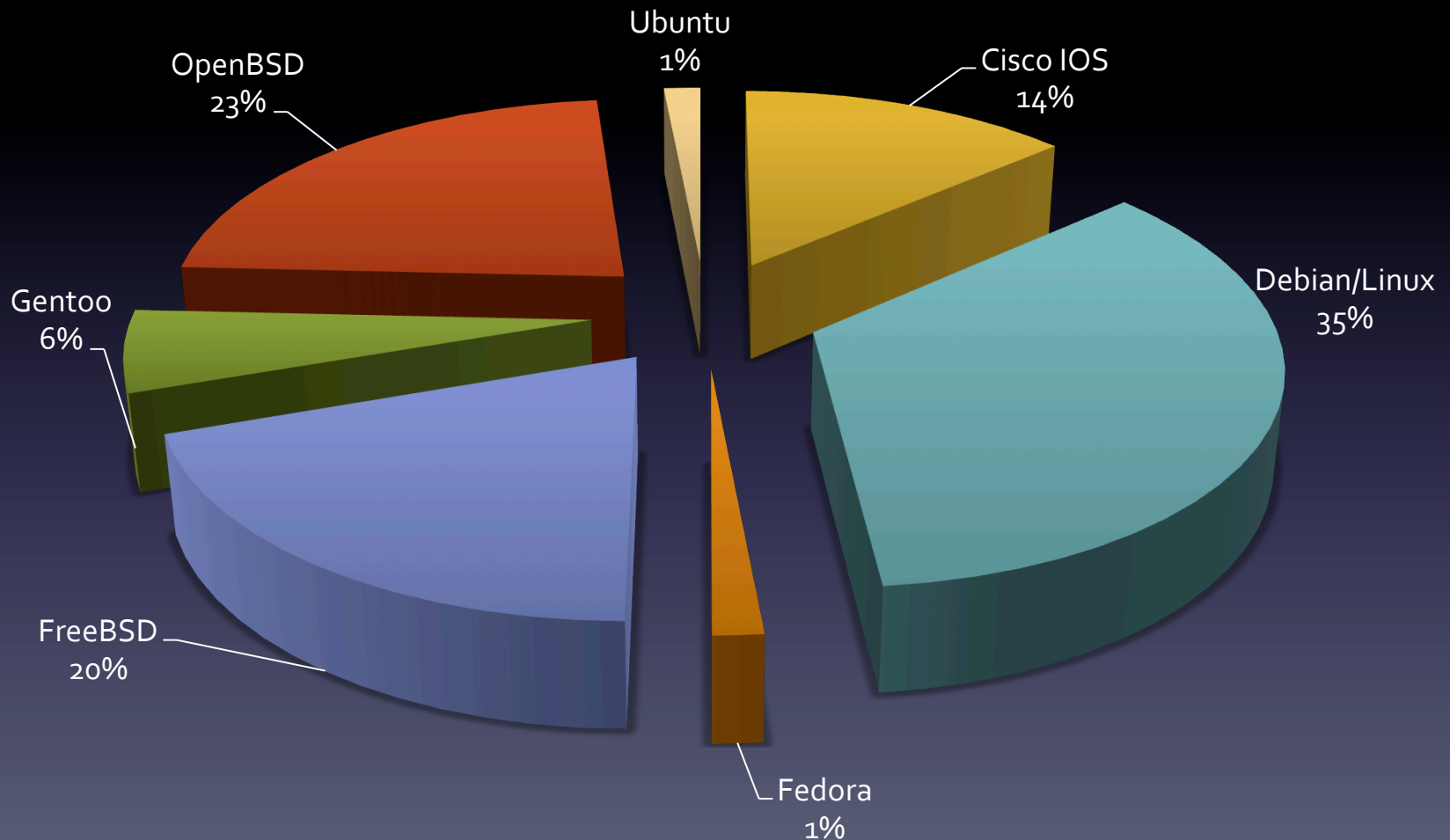
- 2 Forums a year
- Maintains the Website, database and tools
- Mailing Lists
- Working Groups and Task Forces
- Euro-IX Board
- Forum Program Committee
- Euro-IX BMC - Benchmarking Club
- Other project, e.g., Euro 2012 CL with RIPE NCC
- Annual European IXP Report

Euro-IX Database

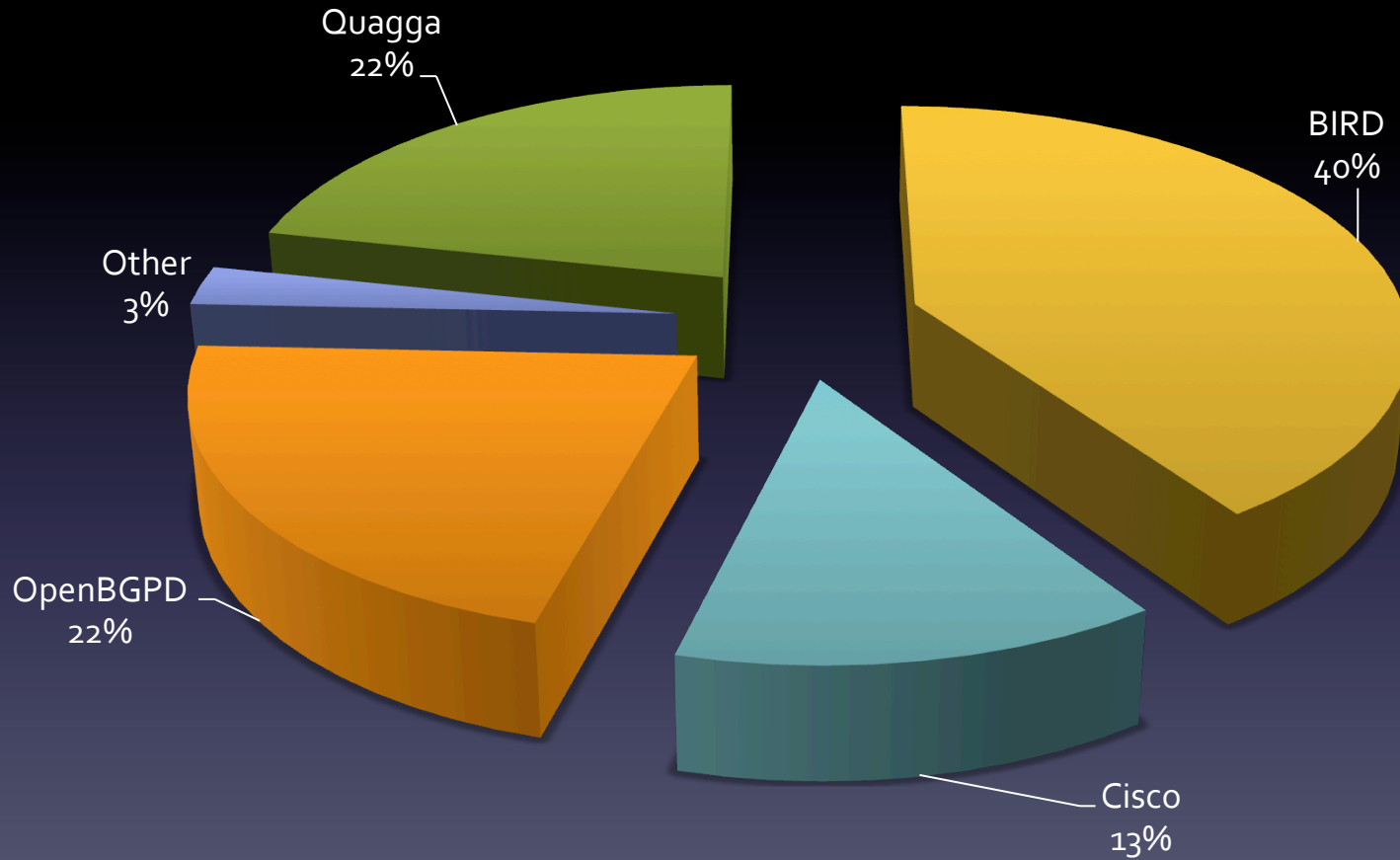
Market share of switch/router vendors among European IXPs [%]



Route server operating systems in use [%]



Route server daemons in Use [%]



If you want to know more...

- Take a look at the Euro-IX website
 - Details of all Euro-IX affiliated IXPs
 - Documentation
 - Tools
- Twitter @euroix

THANK YOU

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