# RIPE 60 - EIX WG PRAGUE

#### EURO-IX UPDATE

SERGE RADOVCIC
EURO-IX

## What is Euro-IX?

- European Internet Exchange Association
- Formed in May 2001

- The association's aim is to further develop, strengthen and improve the Internet Exchange Point (IXP) community
- Via meetings, information repositories, mailing lists and other inter-IXP cooperation activities

### Euro-IX affiliates (1)

- 48 affiliated IXPs (operating 100+ IXPs)
  - Europe: 39 (operating 61 IXPs in 25 countries)
  - Africa, Asia and North America: 9 (operating 40 IXPs in 8 countries)
- I affiliated patrons:
  - Layer 2 switch vendors, optical switch vendors, colocation operators....

## Euro-IX affiliates (2)

- Newest Euro-IX affiliates
  - IXPS:

BIX.BG - Sofia

SFINX – Paris

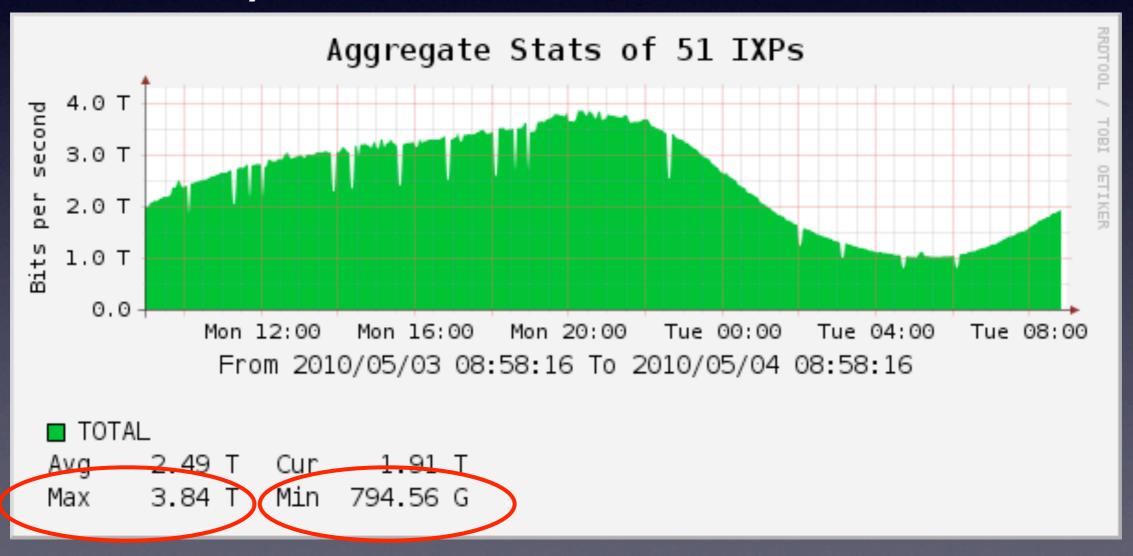
Telx – U.S.A. (4 locations)

Patrons:

Arista, MRV and Transmode

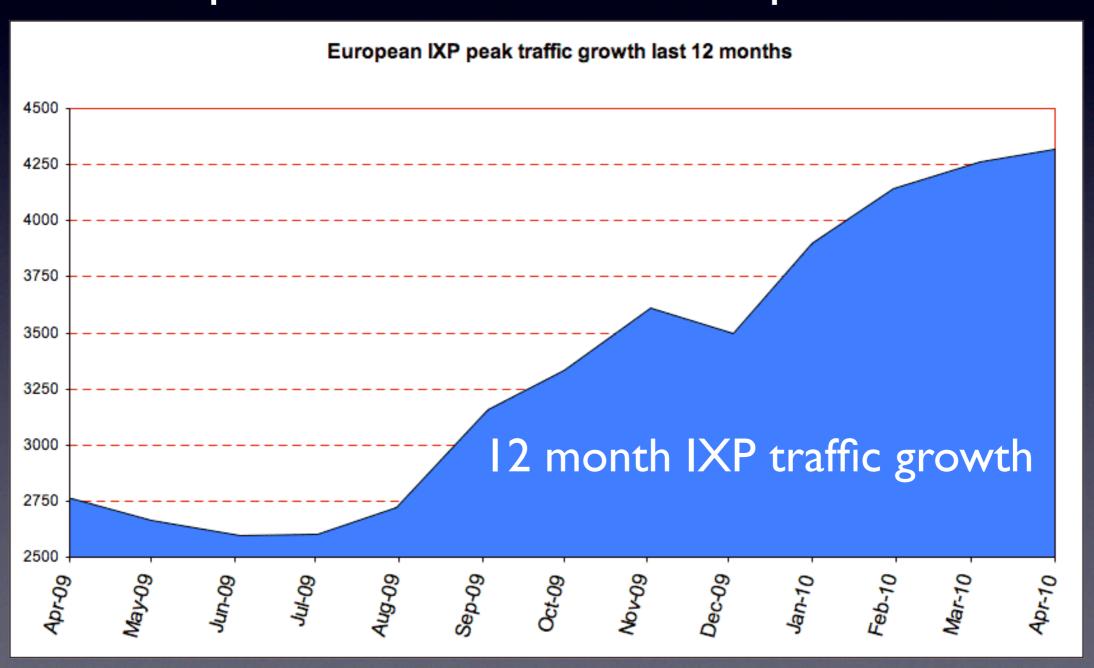
## Euro-IX IXP traffic

- Real time European member statistics
- Makes up about 90% of all European IXP traffic
- Weekday: Peak at 21:00 CEST; low at 05:45 CEST



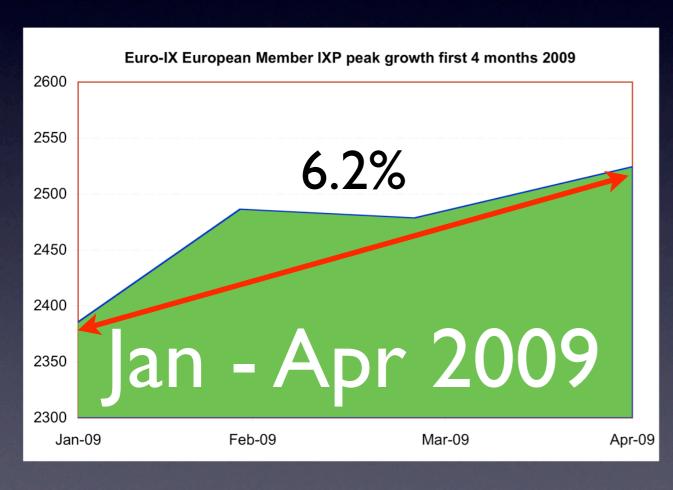
## European IXP traffic

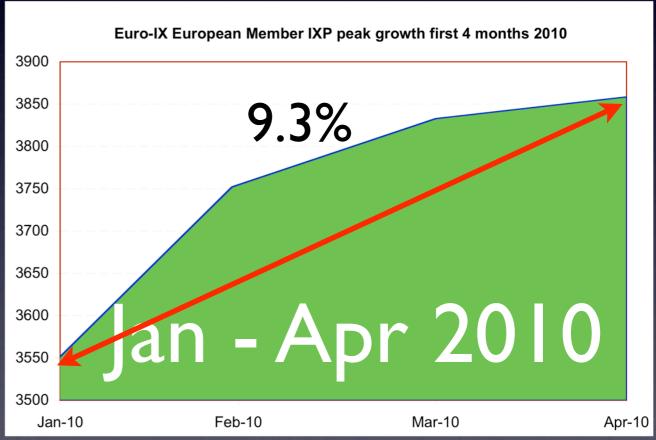
- Combined European IXP peak traffic has risen from:
  - 2.759 Tbps end April '09 to 4.316 Tbps end April '10
  - 1.557 Tbps or 56% increase in the past 12 months



#### Begin 2009 versus 2010 IXP traffic

- The increase in peak traffic from the end of January 2009 to the end of April 2009 was 6.2%
- In 2010 this increase was 9.3%





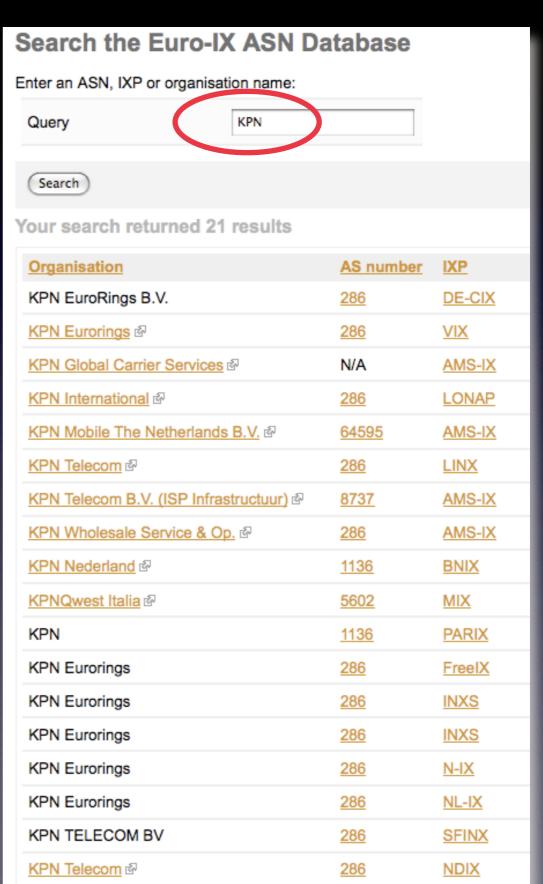
## IXP participants

	Total IXP	Unique ASNs	Present at	>1 % of total
	participants		> one IXP	
Europe	5.438	2.998	885	16.3%
Asia-Pac	1.108	640	212	19.1%
N. America	2.021	839	304	15.0%
S. America	274	158	37	13.5%
Africa	200	112	3	1.5%
Global	9.041	4.475	1.387	15.3%

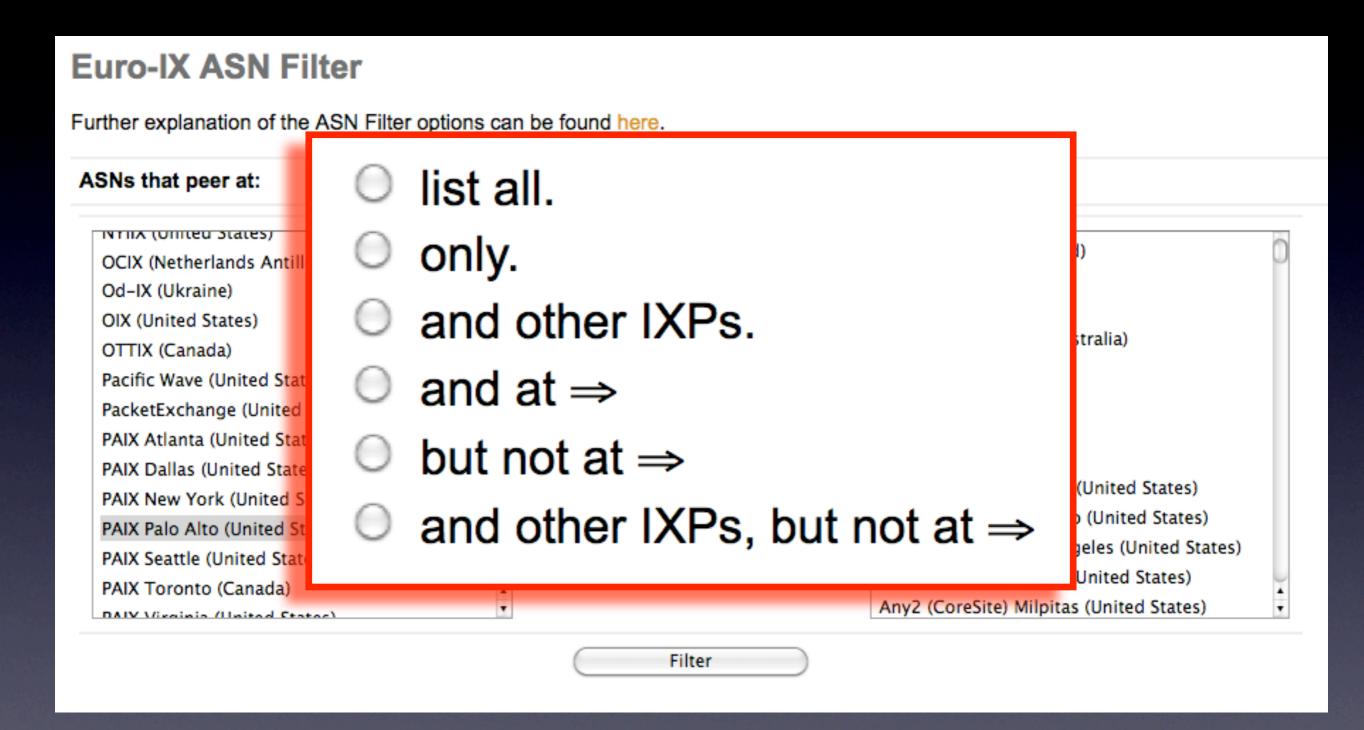
Data captured from the Euro-IX ASN database on the 03rd of May 2010

## Euro-IXASN DB

#### Search the Euro-IX ASN Database Enter an ASN, IXP or organisation name: AS2686 Query Search Your search returned 18 results IXP Organisation AS number AT&T Global Network Services Hellas & 2686 AIX AT&T Global Network Services & 2686 AMS-IX AT&T Global Network & 2686 BIX Æ T&TA 2686 BNIX AT&T EMEA ₽ 2686 CIXP AT&T GNS Deutschland 2686 DE-CIX AT&T 2686 Equinix 2686 **ESPANIX** AT&T Global Network Services Oy & 2686 FICIX AT&T GNS & 2686 LINX AT&T Global Network Services & 2686 MIX AT&T & 2686 Netnod AT&T Global Network Services 2686 NIX 2686 AT&T CR & NIX.CZ AT&T GNS - EMEA 2686 **PARIX** AT&T GLOBAL NETWORK SERVICES 2686 SFINX AT&T ₽ 2686 TOP-IX AT&T & 2686 VIX

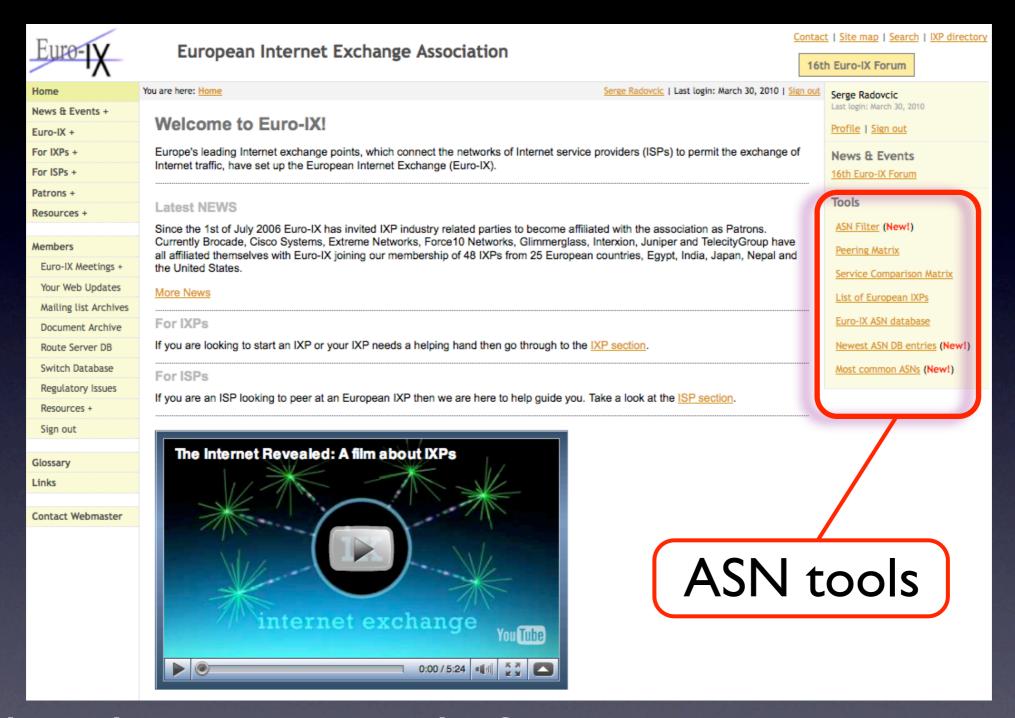


#### Euro-IX ASN Filter - New!!



https://www.euro-ix.net/member/m/asnfilter

## Euro-IX ASN tools



All tools are reachable from the right hand side of the home page: <a href="https://www.euro-ix.net">www.euro-ix.net</a>

## Euro-IX News (I)

- 16th Euro-IX Forum Brussels 19/20 April
  - Low attendance due to flight disruptions
- 17th Euro-IX Forum Oslo 27/28 September
  - The host will be NIX
- Euro-IX is now looking to have a more active relationship with other IXP associations around the globe (i.e. NAPLA and APIX)

## Euro-IX News (2)

"IXP news" RSS - currently 12 IXPs involved

- Newest entries in Euro-IX ASN DB via RSS
  - Handy for peering coordinators!

- Euro-IX Film competition: The Internet Revealed
  - ▶ Version 2.0 released after feedback from RIPE 59
  - www.euro-ix.net/film/

## EUROPEAN INTERNET EXCHANGE ASSOCIATION

HTTP://WWW.EURO-IX.NET

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