

IXP collaboration

APNIC 21- IX SIG Perth Australia

Serge Radovcic of Euro-IX

serge@euro-ix.net

02 March 2006

APNIC 21 - IX SIG

0

Quote from APNIC Meeting archive:

“It was suggested that good communication could lead to better quality of IXPs and that more communication between IXPs should occur in the future.”

The panel

- **Bill Woodcock - PCH (North America)**
- **German Valdez - LACNIC (Latin America)**
- **Adiel Akplogan - AfriNIC (Africa)**
- **Kurtis Lindqvist - Netnod (Europe)**
- **Gaurab Raj Udaphaya - NPIX (Asia & Pacific)**

IXP Collaboration

1. What is *collaboration*?
2. Tour of the World: What already exists?
3. Discussion

What is collaboration

- Definition (1): “traitorous cooperation with an enemy”
- Definition (2): “the action of working together, especially in a joint intellectual effort.”

What is collaboration

- We will be looking at collaboration in the widest sense of the word:
 - Sharing information:
 - IX Updates at meetings
 - Information Repositories/Databases
 - Collaborative papers
 - Discussion
 - Mailing lists
 - Working groups
 - Dedicated IX meetings
 - Associations
 - IX related Events
 - Other....

IXP Collaboration

So lets go on a ‘Tour of the World’ and ask our panel to give a brief outline of their regions in regards to:

- IXPs in the region
- What forms of IXP collaboration exist

What already exists

North America (approx 85 IXPs)

- *ARIN*:
 - No dedicated IXP track
- *NANOG*:
 - Peering BOF
- *Peering Forum*:
 - Organised by several US and European IXPs

What already exists

Latin America (approx 19 IXPs)

- *LACNIC*:
 - Works with NAPLA
- *NAPLA*:
 - Latin American Regional Internet Exchange Meeting. Have held meetings almost annually since October 2001.
 - NAPLA 2006 meeting will be held in Guatemala in May in conjunction with LACNIC IX.

What already exists

Africa (approx 12 IXPs)

- *AfriNIC*: (RIR since March 2005)
 - No IX track at their meetings

- *AfNOG*:
 - No IX track at their meetings

What already exists

Europe (approx 87 IXPs)

- *RIPE Meetings:*
 - European Internet Exchange (EIX) WG: (Jan 1988)
 - IX updates, Discussions, 'IX Switch wish list'.....
 - Peering BOF
- *DVAP: Association for German IXPs (2003)*
- *Euro-IX:*
 - *European Internet Exchange Association (May 2001)*
 - *Biannual Forums, website, staff, papers, and more.....*

What already exists

Asia/Pacific (approx 59 IXPs)

- *NZNOG*: No apparent IXP track
- *JANOG*: IXP related discussions
- *SANOG*: 1st meeting in January 2003. Have always had regional IX updates and covered discussions on IXPs and peering.
- *APRICOT*: 'Peering game' and IXP Tutorials
- *APNIC*: IX SIG
 - Mailing list began in October 2001.
 - 1st meeting: APNIC 13, Bangkok, March 2002.
 - IXP updates, discussions, mailing lists, more..

What already exists

Globally (approx 260 IXPs)

- *Euro-IX*: (Global since January 2005) Association of 37 IXPs from 23 Countries on three continents
- *PCH*: IXP construction, information repositories, training and more...
- *Peering DB*: Peering, colo and IXP database
- *IRC #IX*: IXP and Peering community

Questions to the Panel

In your region:

- *What you would like to see happen?*
- *What do you believe would work?*

Discussion

- What do you want to see happen in your region?
- What about globally?
- Are your regional needs different?
- Is there scope for a world wide association?
 - Would you be willing/able to join this association?
- Would you attend an annual ‘World IXP Forum’?
 - Would you travel to Europe, US?
- What do the ISPs in the audience think?
 - Are information repositories about IXPs useful?

Summary

- **Panel summaries**
- The plan is to send out a world wide survey on this topic, to as many IXPs as possible?

Further contact

Serge Radovicic
serge@euro-ix.net