

Netlantis

...where all the routes meet.



LE PROJET NETLANTIS

Un projet de

Pascal Gloor



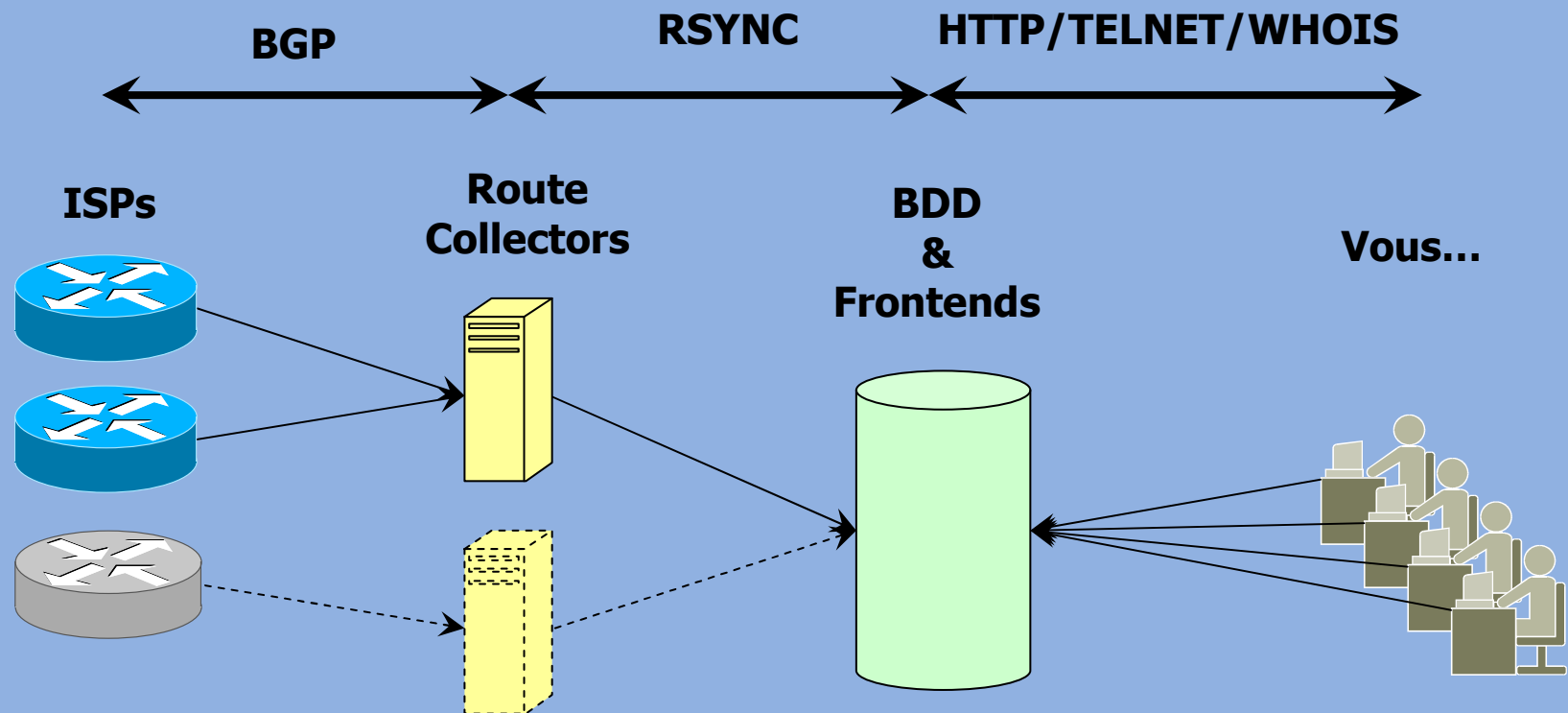
et

Philippe Bourcier

Citali

ETUDIER BGP A GRANDE ECHELLE ET EN TEMPS REEL

- Evolution du routeserver du SWINOG et du FRNOG
- Collecte des tables de routage BGP
- Remplissage d'une base de données
- Outils Web pour consulter la base de données



- **Outils graphiques**
 - GASP (Graphical AS Paths)
 - AS MATRIX (basé sur graphviz)
 - ...

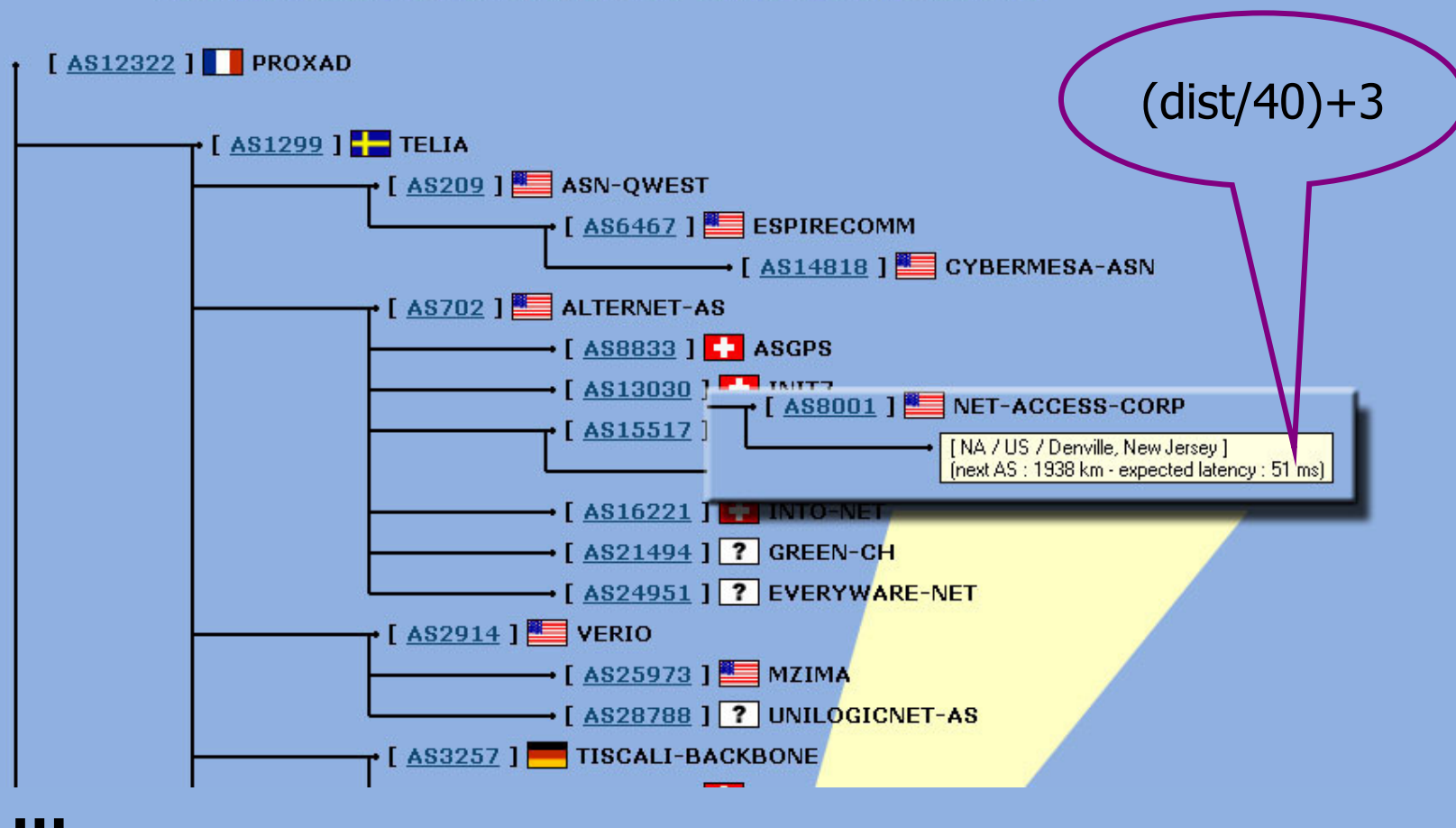
- **Outils d'analyse**
 - Check your AS
 - Bogon AS (>32768)
 - Bogon prefixes (RFC1918, IANA, etc...)
 - The Robban Tool
 - ...

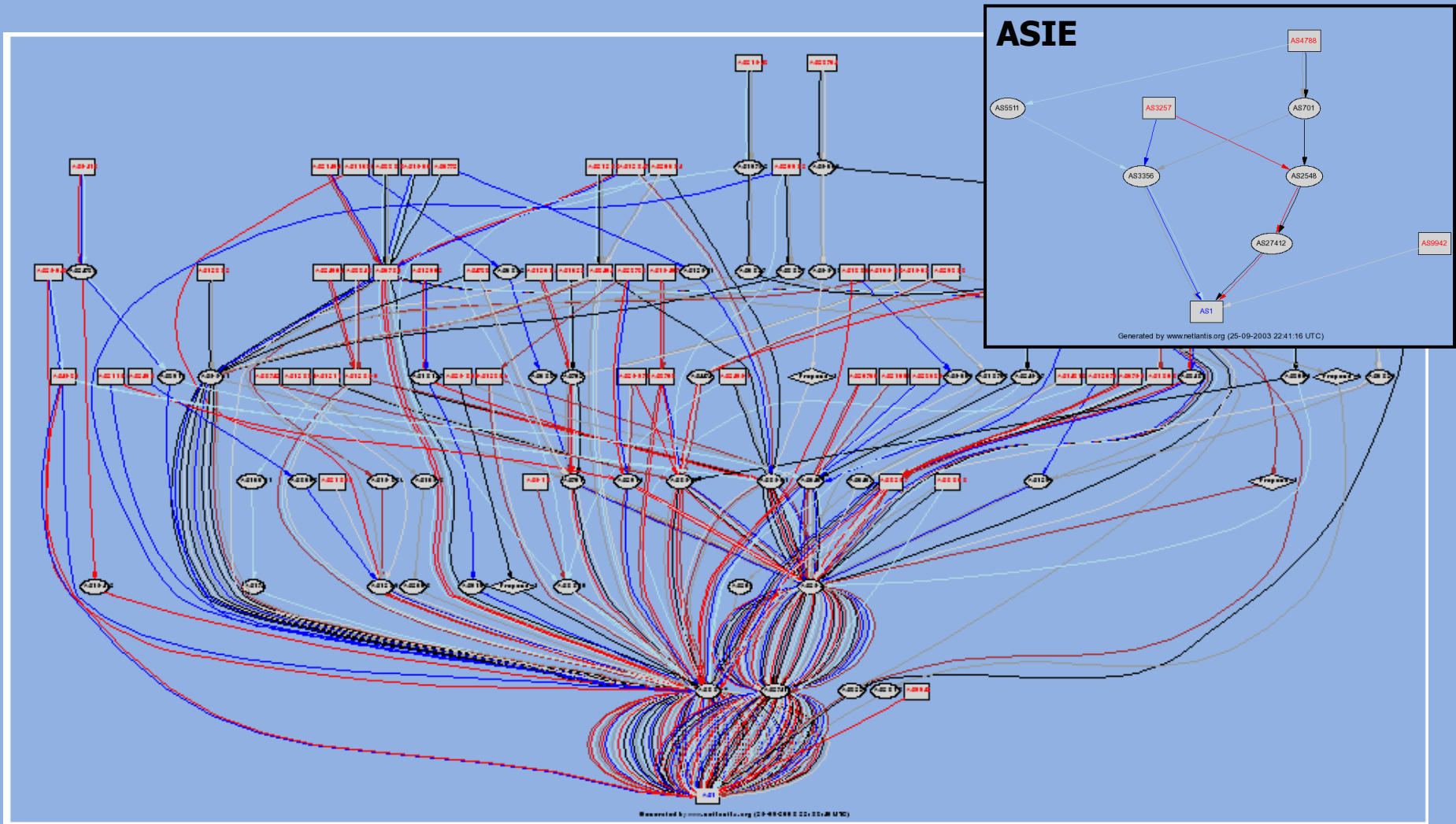
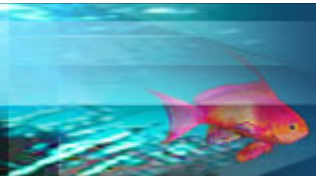
- **Autres**
 - Telnet and whois query tool
 - Cisco IP Phone XML interface
 - ...

Graphical AS Path for 213.228.0.0/18

This network is announced by AS12322.

Hold your mouse over the flag to get more details about a particular AS.





AS CHECKER RESULTS FOR AS15600

AS NAME : LAN-SERVICES
MAINTAINER : CH-LAN-MNT
DESCRIPTION : LAN Services AG Autonomous System
SOURCE : RIPE

PREFIXES ANNOUNCED BY AS15600

62.204.96.0/19 193.218.104.0/24 194.158.233.0/24 194.230.57.0/24
194.230.79.32/27 195.65.76.0/24 195.65.77.0/24 195.65.78.0/24
212.60.32.0/19 213.142.160.0/19 213.213.160.0/19 213.221.192.0/18

neighbor AS513 (192.65.184.3) : Some as paths are different

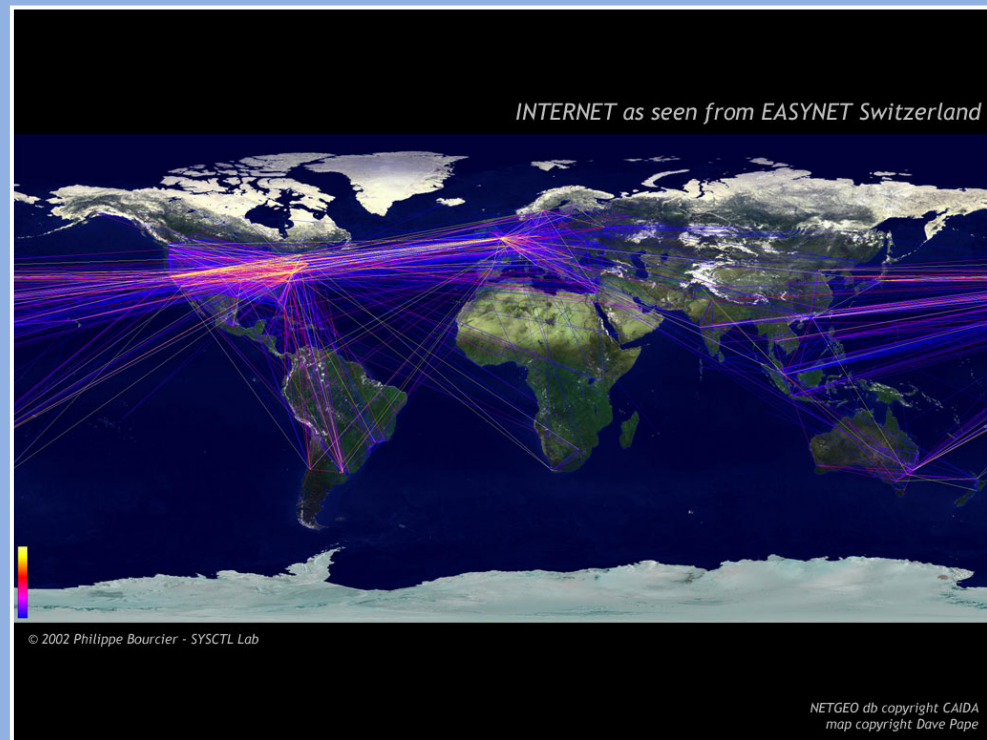
62.204.96.0/19 updated at 01-09-2003 05:13:22 path: 513 6730 15600
193.218.104.0/24 updated at 01-09-2003 05:13:28 path: 513 6730 15600
194.158.233.0/24 updated at 01-09-2003 05:13:31 path: **513 3320 3549 15600**
194.230.57.0/24 updated at 01-09-2003 05:13:30 path: **513 12350 15600**
195.65.76.0/24 updated at 01-09-2003 05:13:30 path: 513 12350 15600
195.65.77.0/24 updated at 01-09-2003 05:13:30 path: 513 12350 15600
195.65.78.0/24 updated at 01-09-2003 05:13:30 path: 513 12350 15600
212.60.32.0/19 updated at 01-09-2003 05:13:34 path: **513 6730 15600**
213.142.160.0/19 updated at 01-09-2003 05:13:34 path: 513 6730 15600
213.213.160.0/19 updated at 01-09-2003 05:13:34 path: 513 6730 15600
213.221.192.0/18 updated at 01-09-2003 05:13:34 path: 513 6730 15600

WARNING this neighbor does NOT have 194.230.79.32/27 in its routing table!

neighbor AS559 (194.42.48.11) : Some as paths are different

62.204.96.0/19 updated at 30-08-2003 20:40:38 path: 559 15600
193.218.104.0/24 updated at 30-08-2003 20:40:48 path: 559 15600
194.158.233.0/24 updated at 30-08-2003 20:40:49 path: **559 3549 15600**
[...]

- Remplacer NETGEO (CAIDA)
- ROOTZMAP
- NETEO
- BGPMON





PYRANHA

ZEBRA met toutes les routes en mémoire...
... performances catastrophiques

PYRANHA est un logiciel dont
le but est d'enregistrer les
updates BGP en temps réel

NETLANTIS EST UN PROJET OUVERT

- Projets de recherche
- Suggestion pour un outil existant
- Suggestion d'un nouvel outil
- ...

- La BDD MySQL traite jusqu'à 1000 requêtes/sec
- Plus de 7 Millions de préfixes en base de données
- Plus de 80 peers
- 7 Route Collectors, 2 USA, 4 Europe, 1 Asie

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Nos Sponsors...



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PYRANHA
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