



# RIPEstat Use Cases

---

Vesna Manojlovic

Measurements Community Building

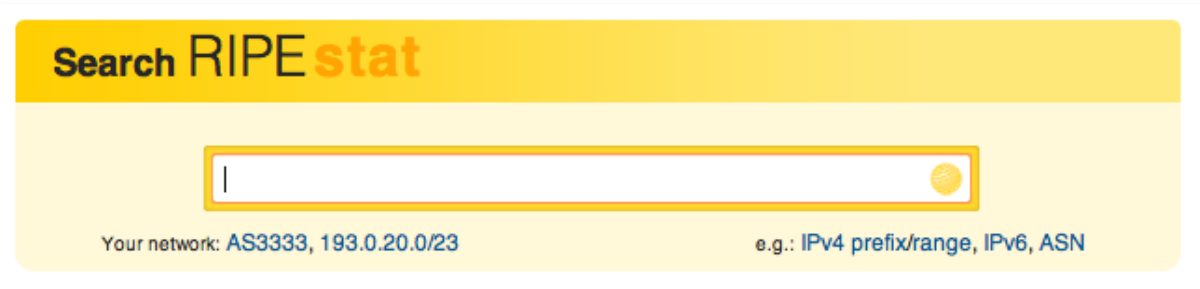
MAT-WG, RIPE 68, May 2014, Warsaw

RIPE 68, May 2014, Warsaw



**RIPE**  
NCC

- RIPEstat is a “one-stop shop” for information about Internet number resources
  - From the RIPE NCC: registration data and RIPE Database, routing (RIS), reverse DNS, RIPE Atlas measurements
  - External sources: RIRs, routing registries (IRR), geolocation, blacklists, M-Lab network activity
- Search by: IPv4, IPv6 address/prefix; AS Number; hostname; country; keywords (new)

A screenshot of the RIPEstat search interface. It features a yellow header with the text "Search RIPEstat". Below the header is a search input field with a magnifying glass icon on the right. Under the input field, there is a placeholder text "Your network: AS3333, 193.0.20.0/23" and a hint "e.g.: IPv4 prefix/range, IPv6, ASN".

Search RIPEstat

Your network: AS3333, 193.0.20.0/23 e.g.: IPv4 prefix/range, IPv6, ASN

# Web Interface: Query Results Page

RIPEstat | 3

Search box

Widgets

Widgets grouped into thematic tabs





## Country View: Poland

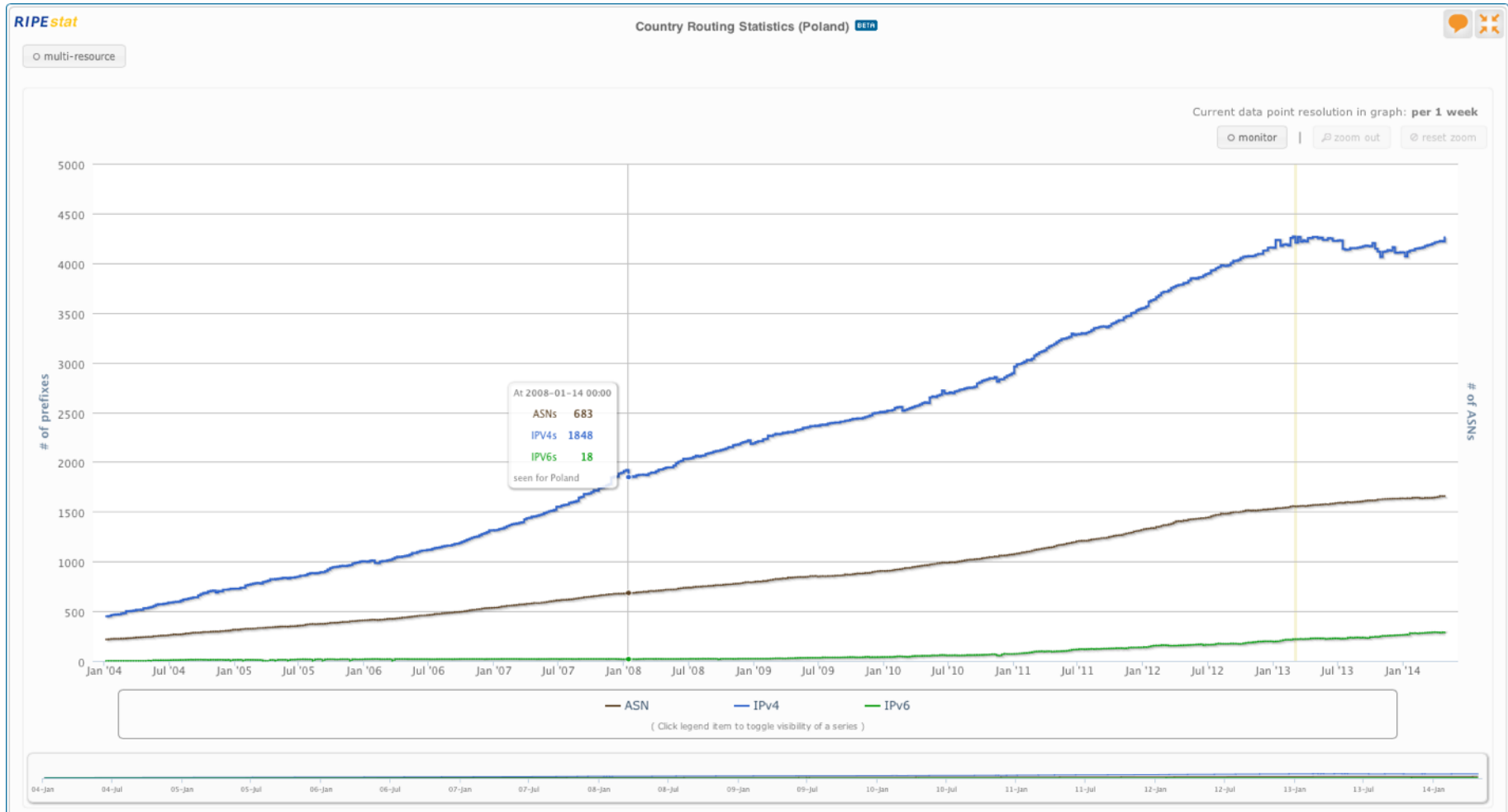
---



**RIPE**  
NCC

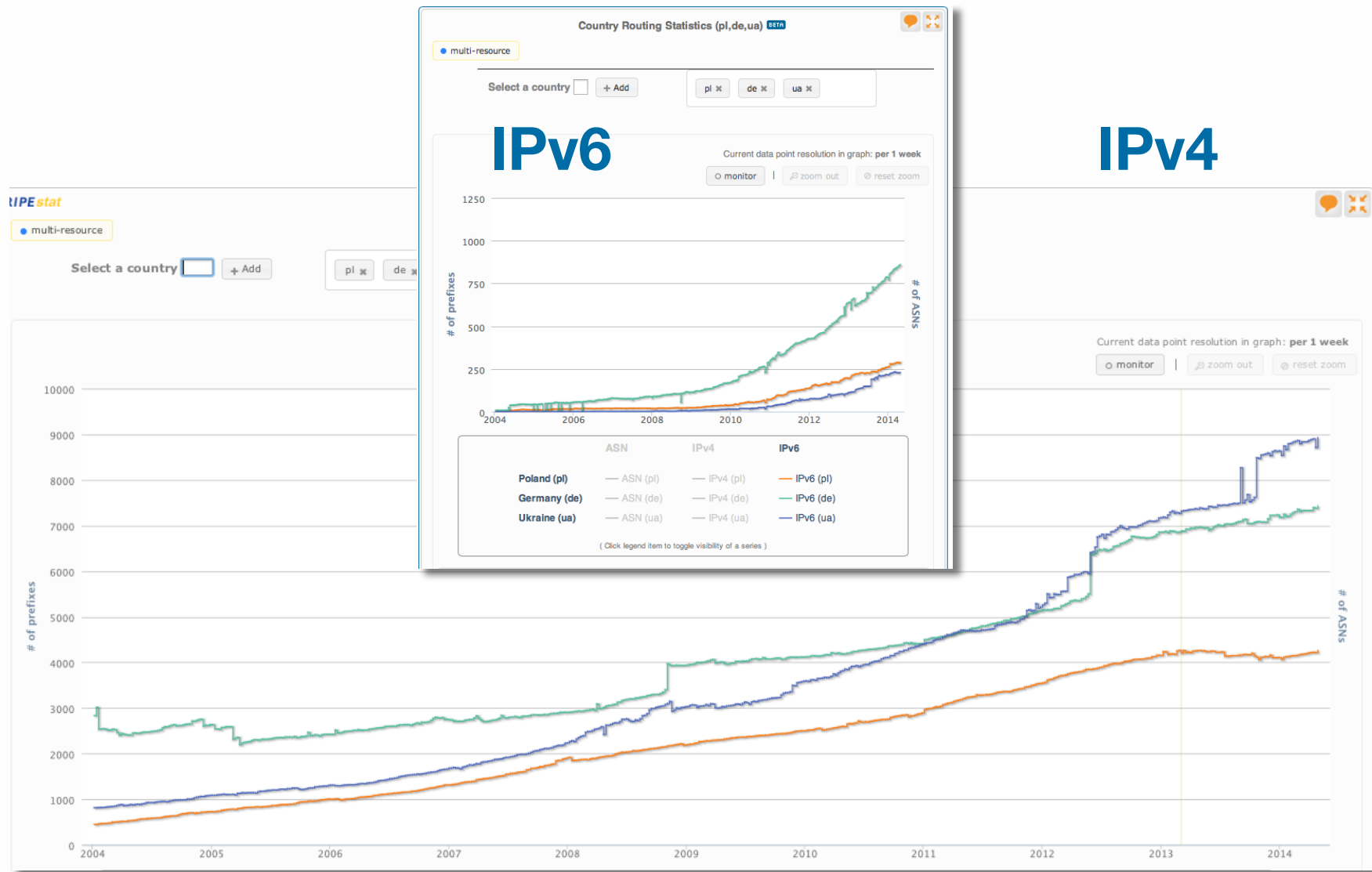
# Polish Historical Routing Statistics

RIPEstat | 5



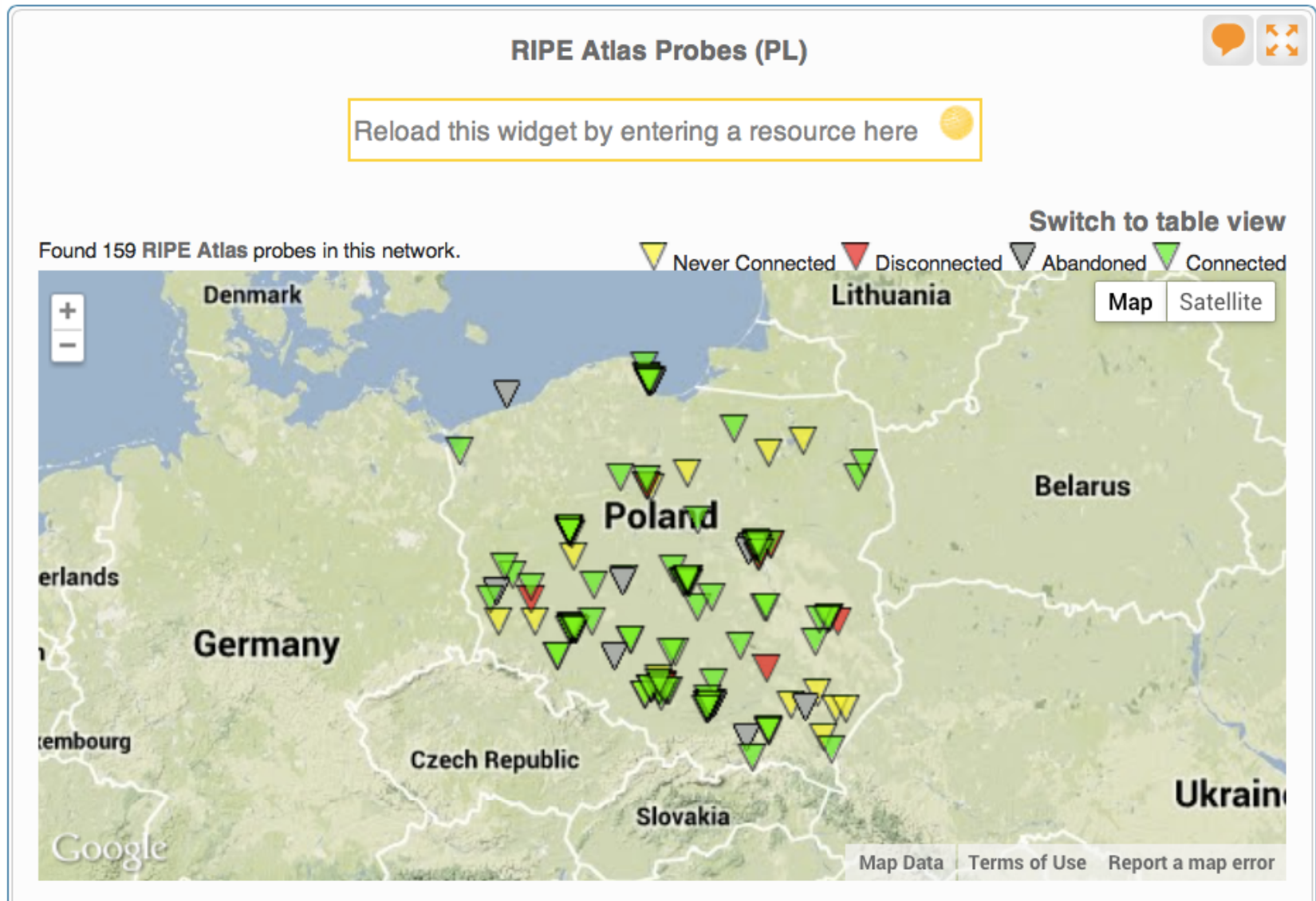
# Comparison: Poland & Neighbours

RIPEstat | 6



# RIPE Atlas Probes in Poland

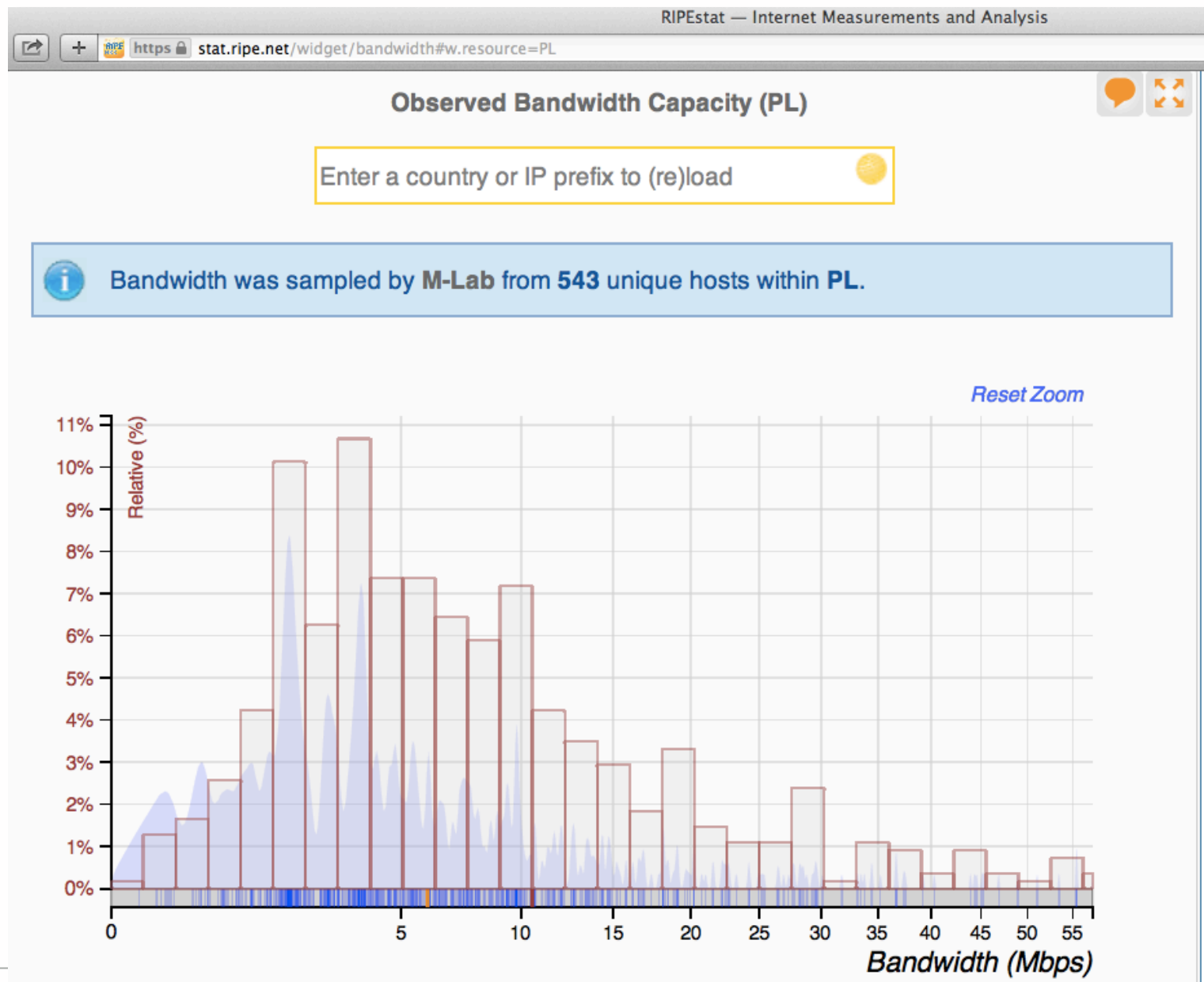
RIPEstat | 7





# Observed Bandwidth Capacity (M-Lab)

RIPEstat | 8







## Use Cases

---



**RIPE**  
NCC

- RIPEstat is used extensively for Assisted Registry Checks by LIRs
- Registration Services of RIPE NCC are proactively identifying routing and reverse DNS inconsistencies
- [https://labs.ripe.net/Members/matt\\_parker/assisted-registry-check-first-results](https://labs.ripe.net/Members/matt_parker/assisted-registry-check-first-results)

- In April 2014, Indosat (AS4761) announced prefixes which were not allocated to them
- Many ASNs were affected and temporarily “disappeared”

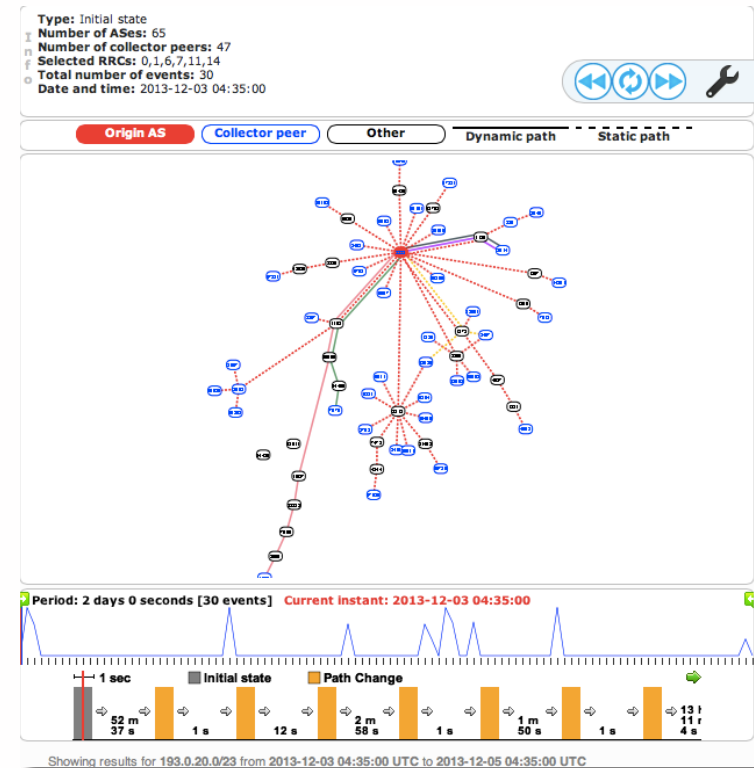


- <https://labs.ripe.net/Members/wilhelm/bgp-leaks-in-indonesia>

- Indonesian incident visible in BGPlay

- The most famous incident:  
YouTube hijacked by  
Pakistan Telecom:

<http://www.youtube.com/watch?v=IzLPKuAOe50>



- BGPlay is back as part of RIPEstat

- Making peering decisions



- [https://labs.ripe.net/Members/suzanne\\_taylor\\_muzzin/ripestats-multiple-widget-and-resource-comparison](https://labs.ripe.net/Members/suzanne_taylor_muzzin/ripestats-multiple-widget-and-resource-comparison)

# Looking up RIPE Atlas Activity

RIPEstat — Internet Measurements and Analysis







https://stat.ripe.net/widget/atlas-targets#w.resource=8.8.8.8

You are here: Home > Data & Tools > RIPEstat > atlas-targets

### RIPE Atlas Measurement Targets (8.8.8.8)

8.8.8.8

Show 10 targets/page Search:

Measurement ID	Stopped	Type	Target IP	Target Hostname
1040720 	ongoing	ping	8.8.8.8	google-public-dns-a.google.com
1006491 	ongoing	traceroute	8.8.8.8	not specified
1006192 	ongoing	ping	8.8.8.8	not specified
1004827 	ongoing	traceroute	8.8.8.8	not specified
1002630 	ongoing	ping	8.8.8.8	not specified
1478085 	2014-02-24 13:41 UTC	dns	8.8.8.5	not specified

- Improve back-end stability and performance to enable resilience of current services and scale for future growth
- Increase data quality and consistency
  - Plans to renew the RIS collection process
  - Increase freshness of collected routing data (“live”)
- Tell us your feature requests:
  - <http://roadmap.ripe.net/ripe-stat/>
  - [stat@ripe.net](mailto:stat@ripe.net)
  - Twitter: @RIPE\_NCC / #ripestat



# Questions?

---

