



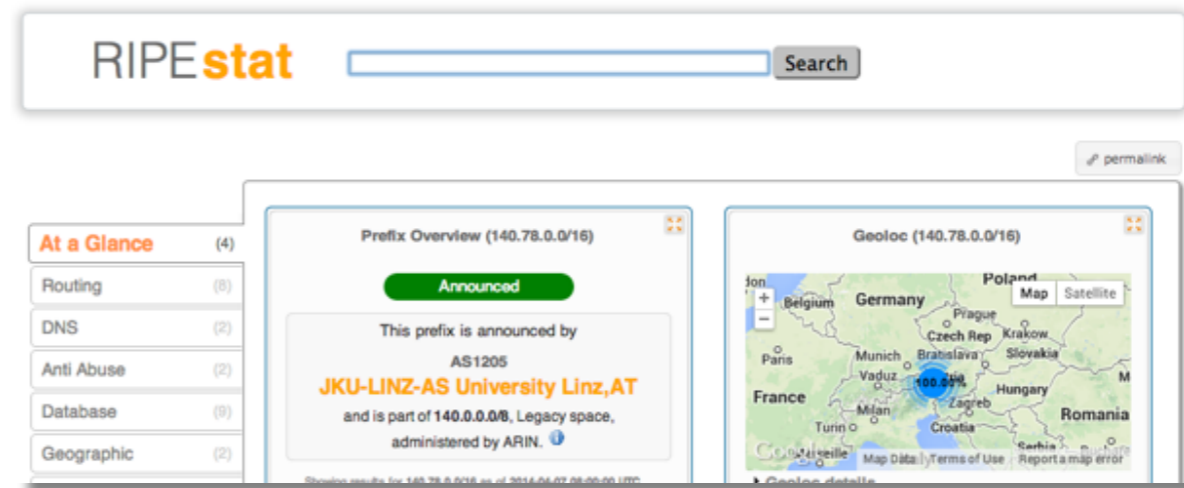
**RIPE
NCC**

RIPE Atlas & RIPEstat

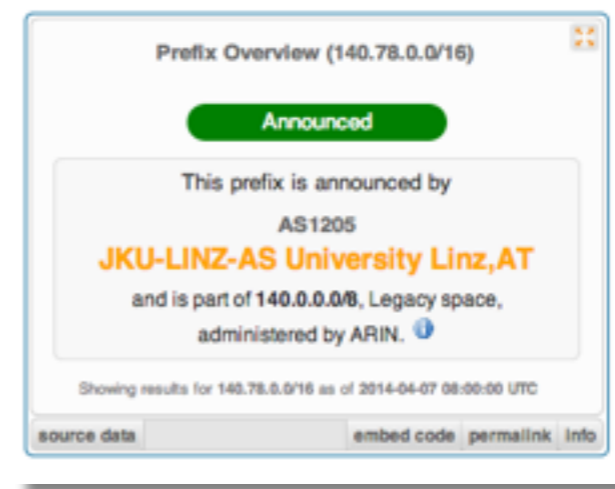
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Science Division
RIPE NCC

MENOG 15, April 2015, Dubai

- <https://stat.ripe.net>



- RIPEstat Widget API



- RIPEstat Data API

- <https://stat.ripe.net/data/routing-status/data.json?resource=...>






- 40+ data calls
- 50+ widgets

RIPEstat Widgets

This is a complete list of all of the widgets that RIPEstat offers. Each of these widgets can be accessed using the links below.

When you view a widget you can also get code for **embedding** it in your own pages. The full procedure for embedding and configuring widgets is described in the [Widget API Documentation](#).

Show entries Search:

Title (show slug)	Example	Prefix	IP address	ASN	Hostname	Country code
Abuse Contact Finder		✓	✓	✓	<input type="checkbox"/>	<input type="checkbox"/>
Address Space Hierarchy		✓	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Address Space Usage		✓	✓	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Allocation History		✓	✓	✓	<input type="checkbox"/>	<input type="checkbox"/>
Announced Prefixes		<input type="checkbox"/>	<input type="checkbox"/>	✓	<input type="checkbox"/>	<input type="checkbox"/>

- > 3 million requests per day

System Statistics

Query rate on RIPEstat **138.5 kq/h**

- BGP routing data
- Registry data
 - RIRs
 - IANA
- DNS data
- Geolocation data
- Blacklist data
- Active measurement data
 - RIPE Atlas
 - MLab (broadband distribution, network activity)

RIPEstat Data Sources

RIPEstat is based on the collection of data from various sources:

- [RIPE Database](#)
Registration data and anti-abuse contact information is based on the RIPE Database
- [RIS \(Routing Information Service\)](#)
- [RIPE Atlas](#)

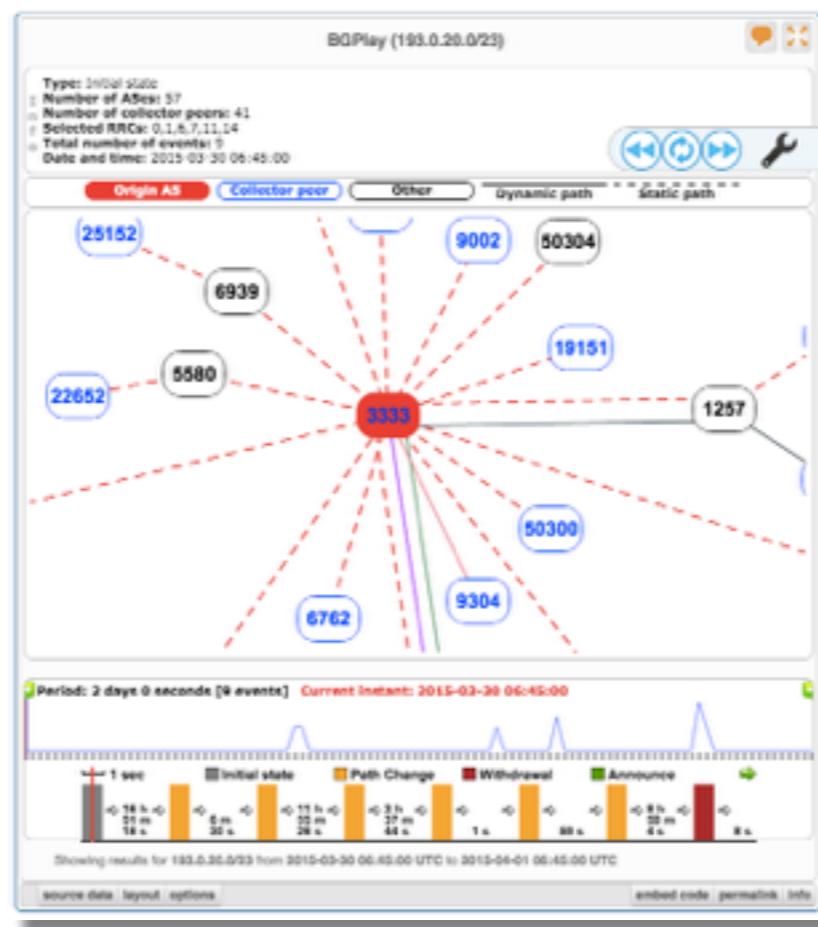
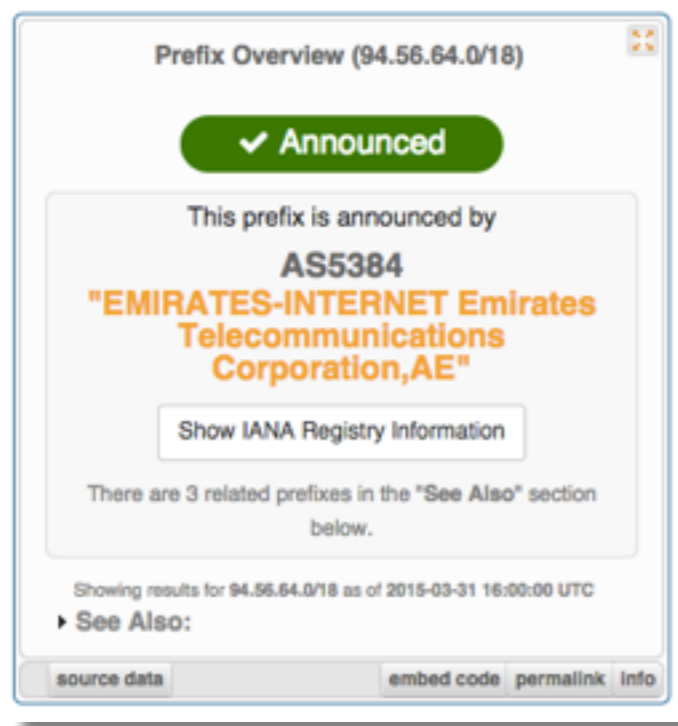
RIR authority data

The RIR statistics files summarise the current state of Internet number resource allocations and assignments. They are intended to provide a snapshot of the status of Internet number resources, without any transactional or historical details. Find details for each RIR here:

- [AFRINIC](#)
- [APNIC](#)
- [ARIN](#)
- [LACNIC](#)
- [RIPE NCC](#)

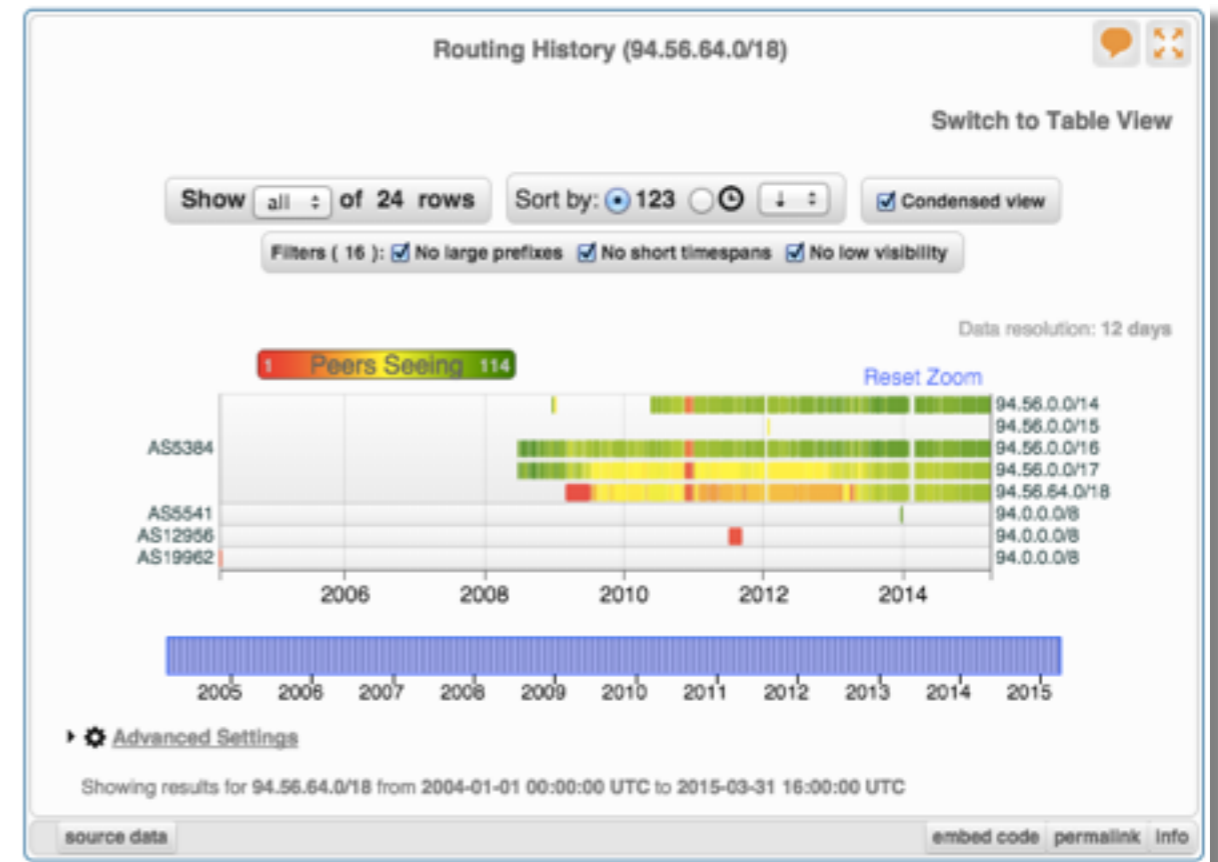
- Collected by RIS (<https://ris.ripe.net>)
- Indicator for network visibility

<https://stat.ripe.net/widget/bgplay#w.resource=193.0.20.0%2F23>



<https://stat.ripe.net/widget/prefix-overview#w.resource=94.56.64.0%2F18>

- Available real-time & historically



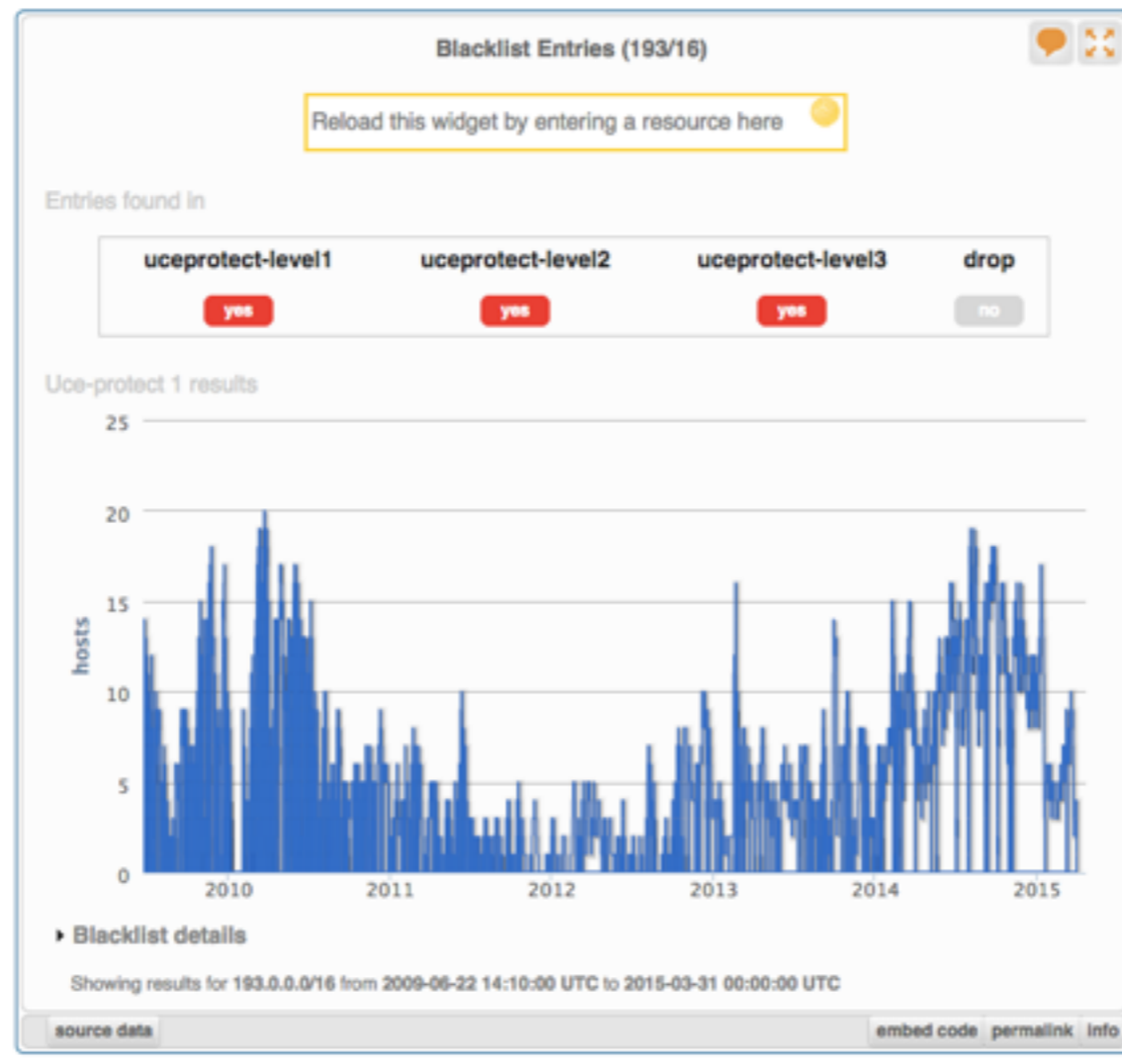
<https://stat.ripe.net/94.56.64.0/18#tabId=routing>

- Based on MaxMind's GeoLite data set
- IP to location mapping
- Used by many e-commerce sites to determine origin of request



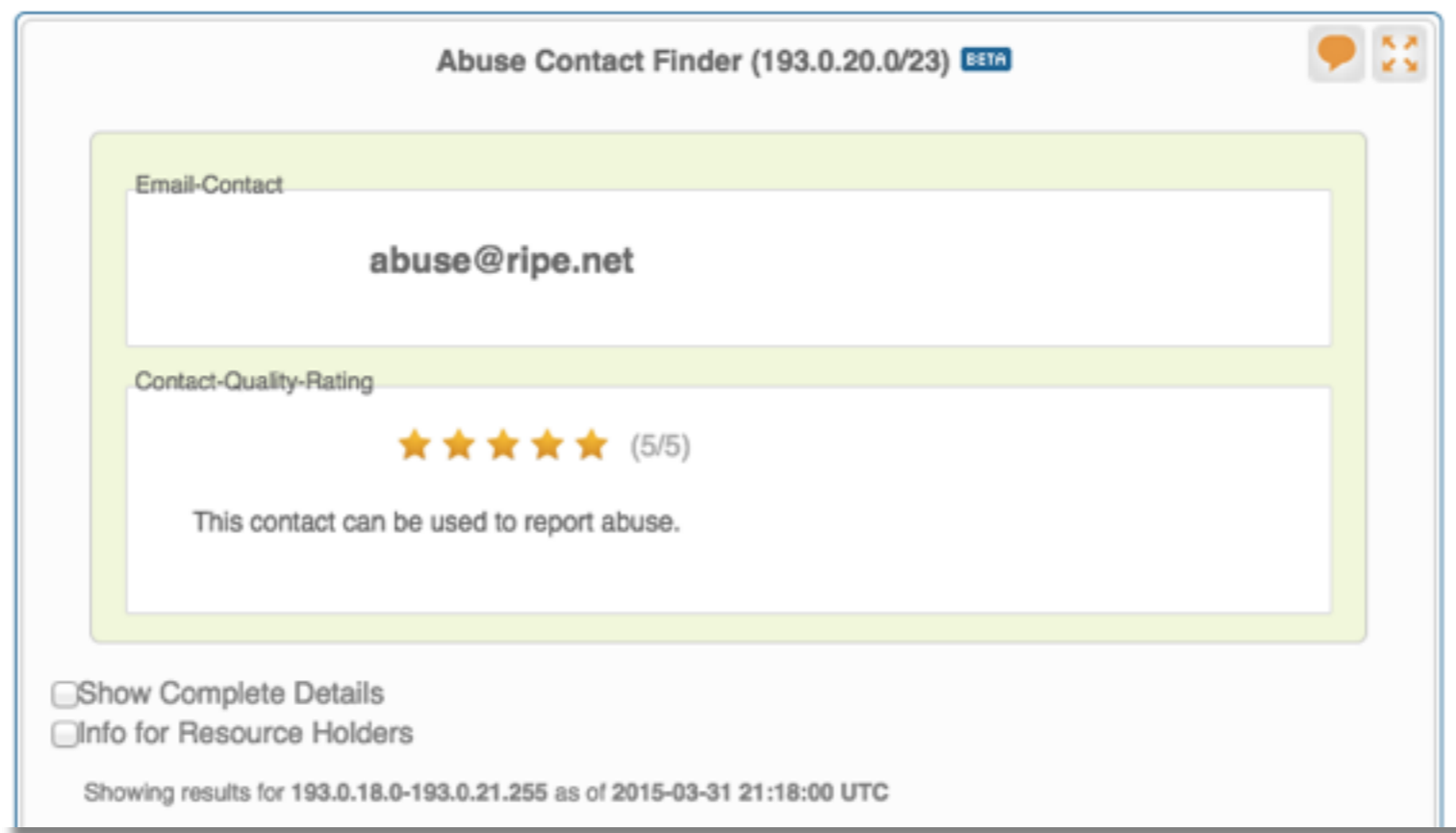
<https://stat.ripe.net/94.56.64.0/18#tabId=geo>

- Various blacklists available
- Identify status of your network



<https://stat.ripe.net/widget/blacklist#w.resource=193/16>

- Providing contact data (abuse-c) for abuse reporting
- Tutorials and help for handling abuse available



<https://stat.ripe.net/widget/abuse-contact-finder#w.resource=193.0.20.0%2F23>

- RIPE DB plus other RIRs
- Internet Routing Registries (IRRs)

The screenshot shows a web interface titled "Registry Browser (inetnum:94.56.0.0/14)". It features a search bar with the text "Reload this widget by entering a resource here". Below the search bar, a yellow box displays the following information:

3 changes since 2008-06-12.
Last updated on 2009-03-07 at 09:32:29 UTC. [Show more](#)

inetnum: 94.56.0.0/14

org ORG-ETC1-RIPE
netname AE-EMIRNET-20080612
descr Emirates Telecommunications Corporation
country AE
status ALLOCATED PA
mnt-by RIPE-NCC-HM-MNT

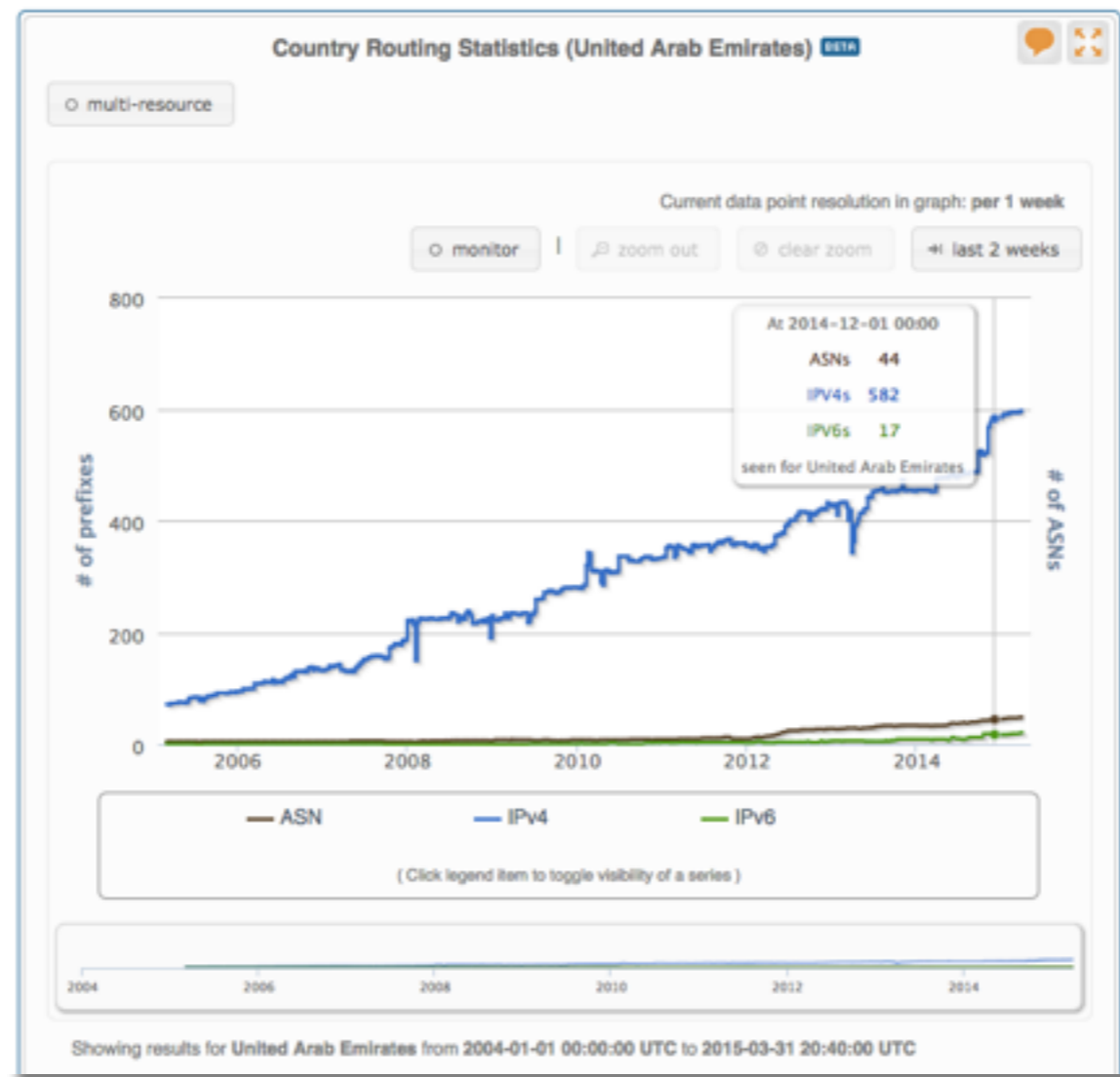
Below this box, a white arrow points to a list of related entities, each with a "Show more" link:

- organisation: ORG-ETC1-RIPE [org] [Show more](#)
- person: Abdulla Hashim [admin-c] [Show more](#)
- person: Sultan Al Shamsi [tech-c] [Show more](#)
- mntner: RIPE-NCC-HM-MNT [mnt-by] [Show more](#)
- mntner: ETISALAT-MNT [mnt-lower, mnt-routes] [Show more](#)

At the bottom of the interface, it says "Showing results for 94.56.0.0/14 as of 2015-03-31 21:15:11 UTC".

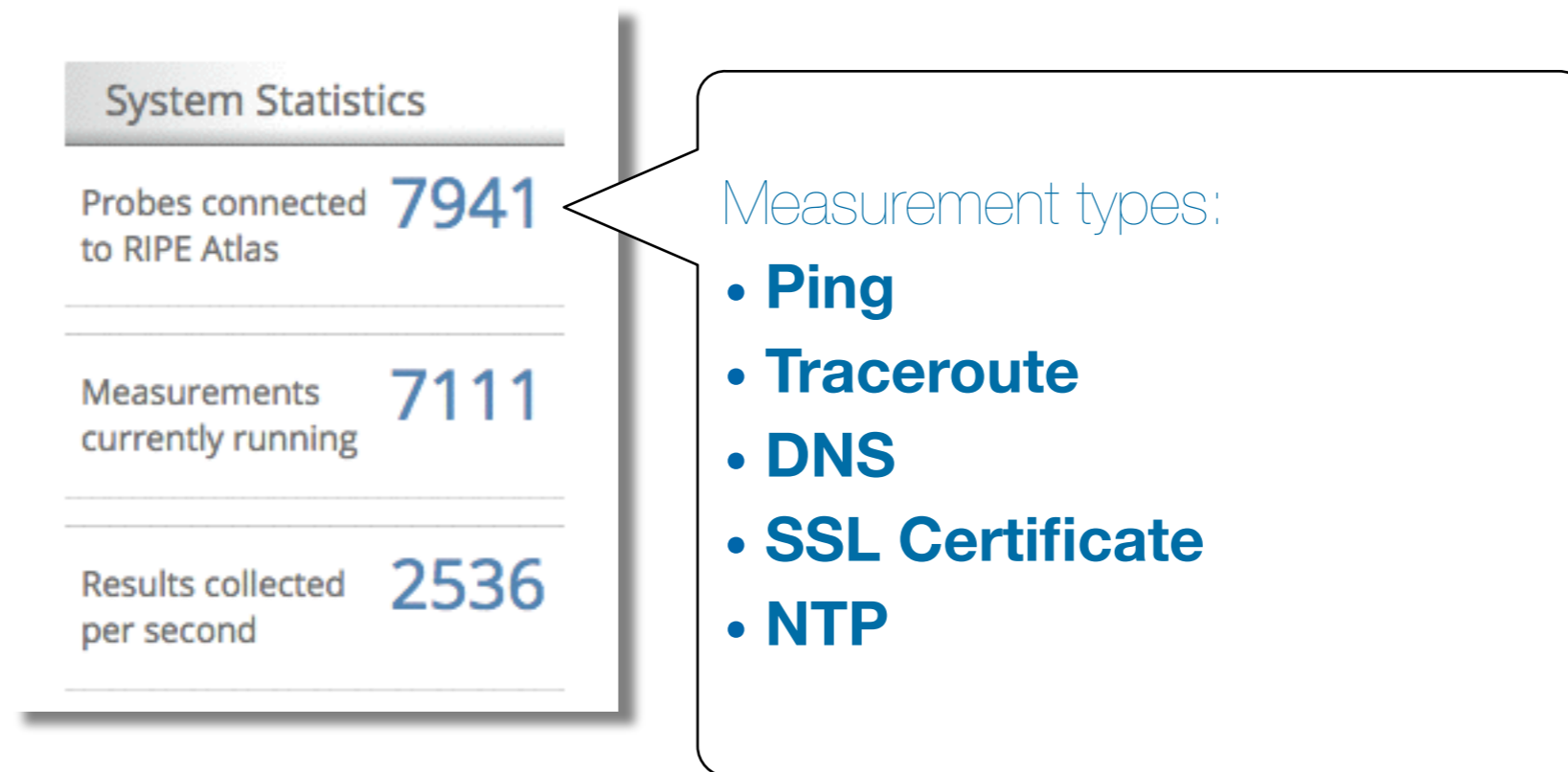
<https://stat.ripe.net/widget/registry-browser#w.resource=inetnum%3A94.56.0.0%2F14>

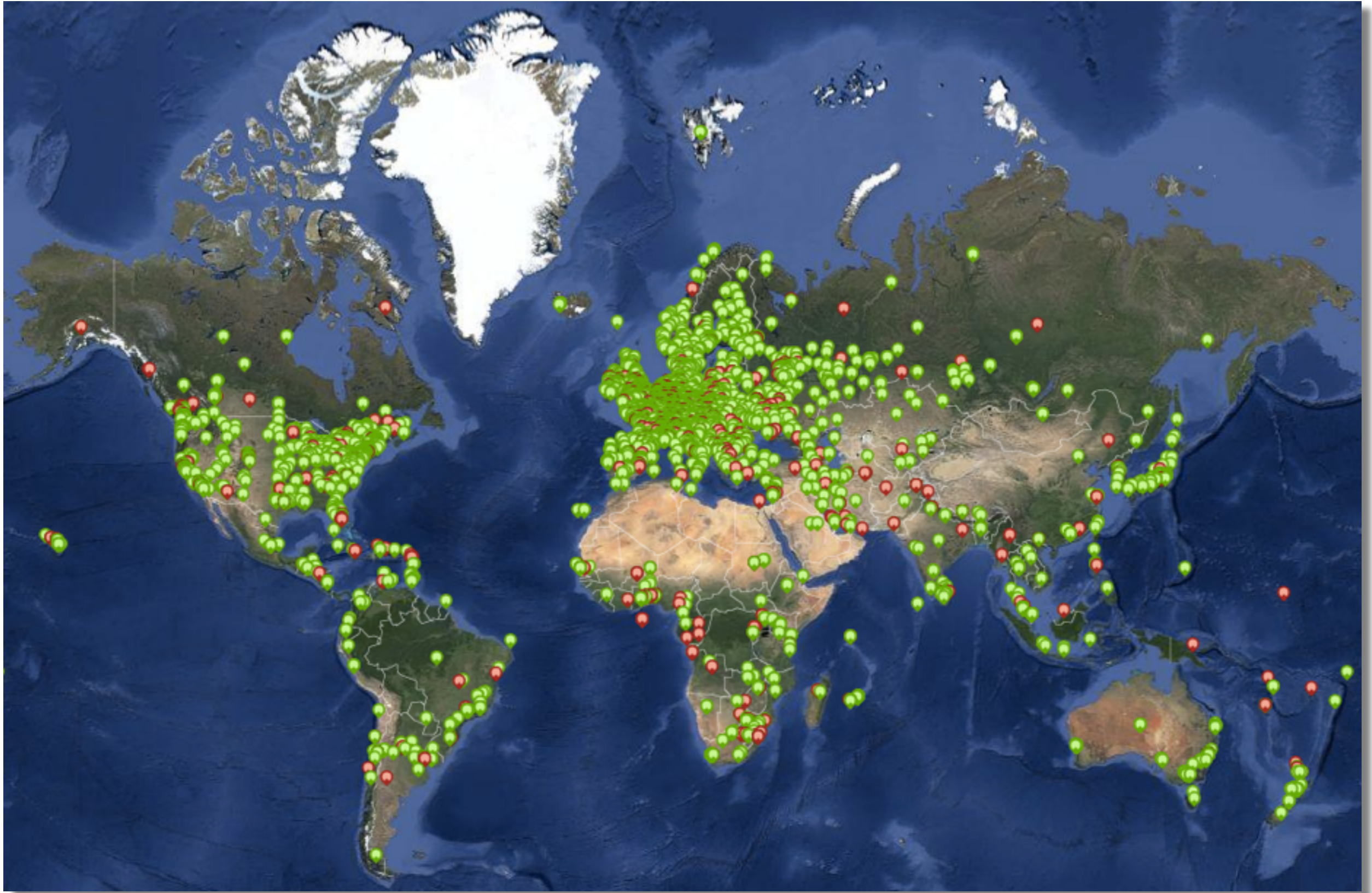
- Country routing status by combining routing and registry data



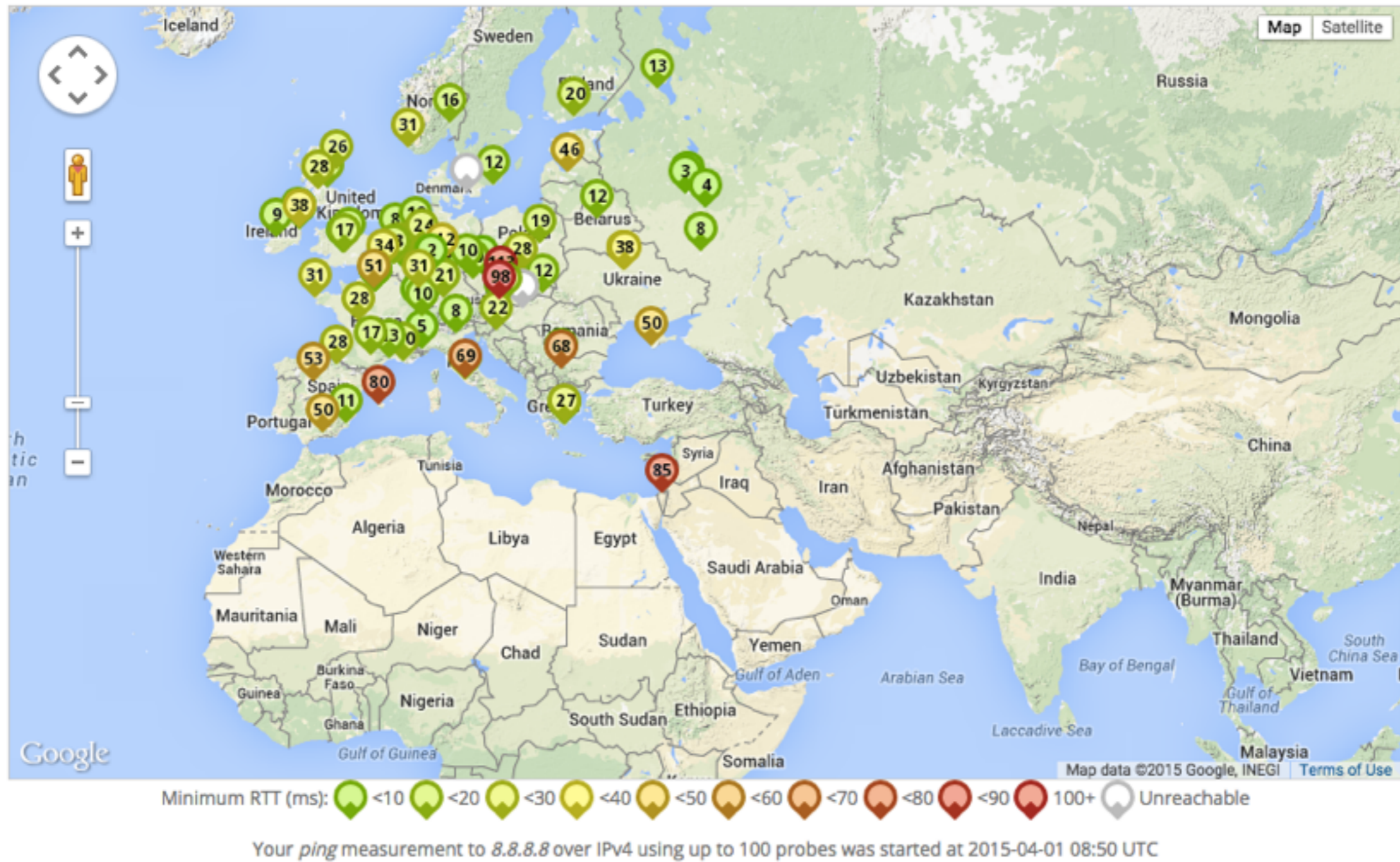
<https://stat.ripe.net/widget/country-routing-stats#w.resource=ae>

- Network for Internet measurements
- ~**7000** concurrent measurements
- Collecting ~**2500** results per second
- +**8000** measurement devices (probes)





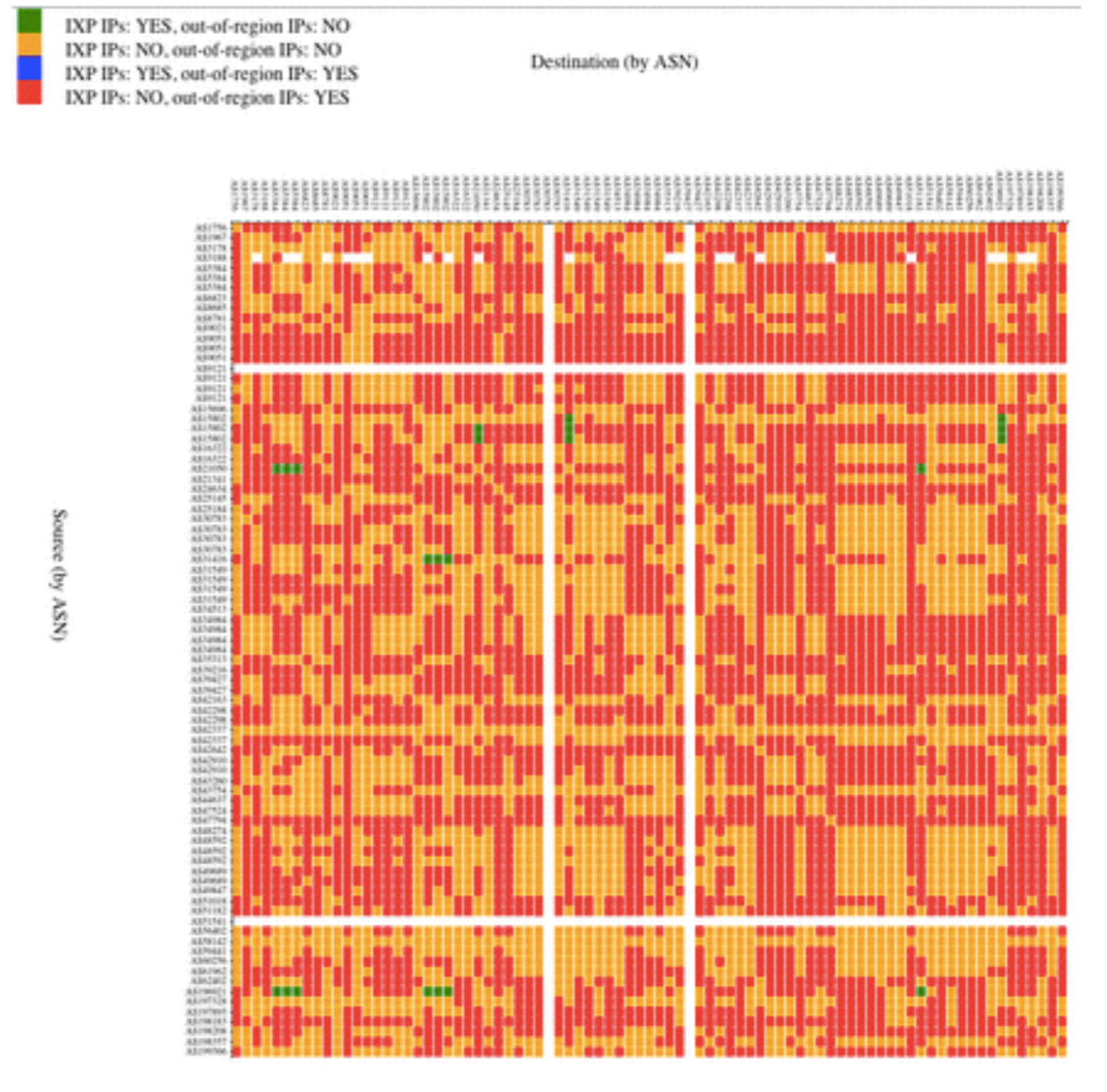
Quick Look



<https://atlas.ripe.net/udm/quicklook/>

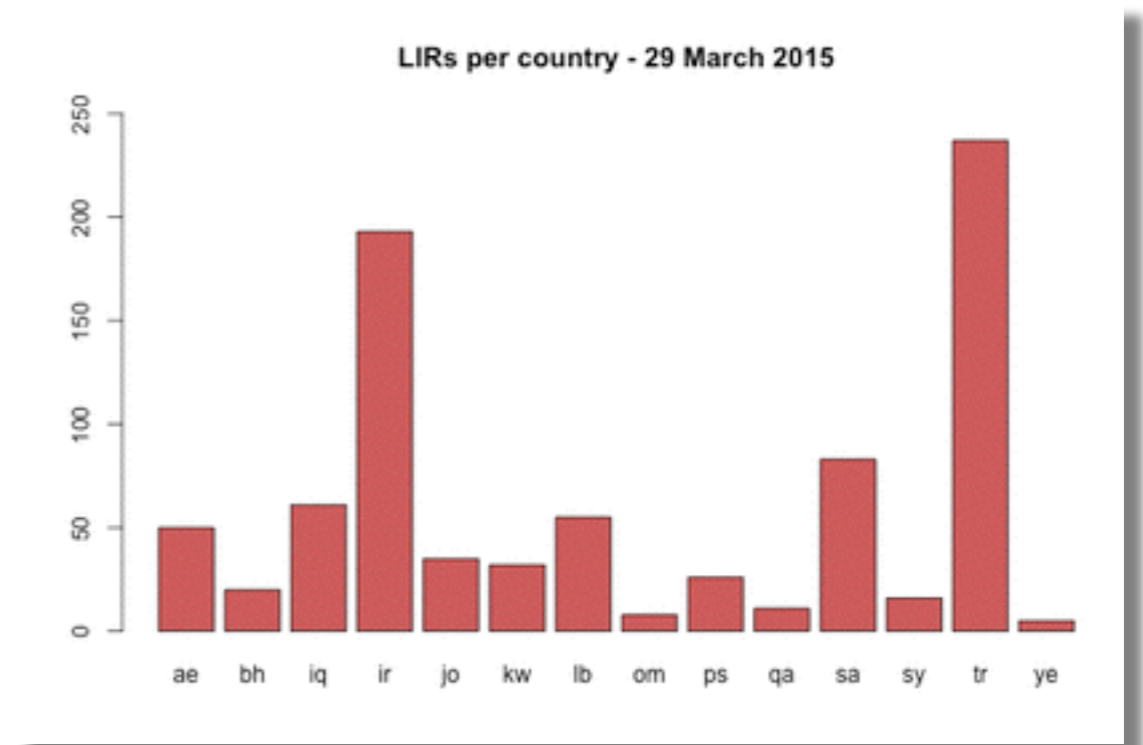
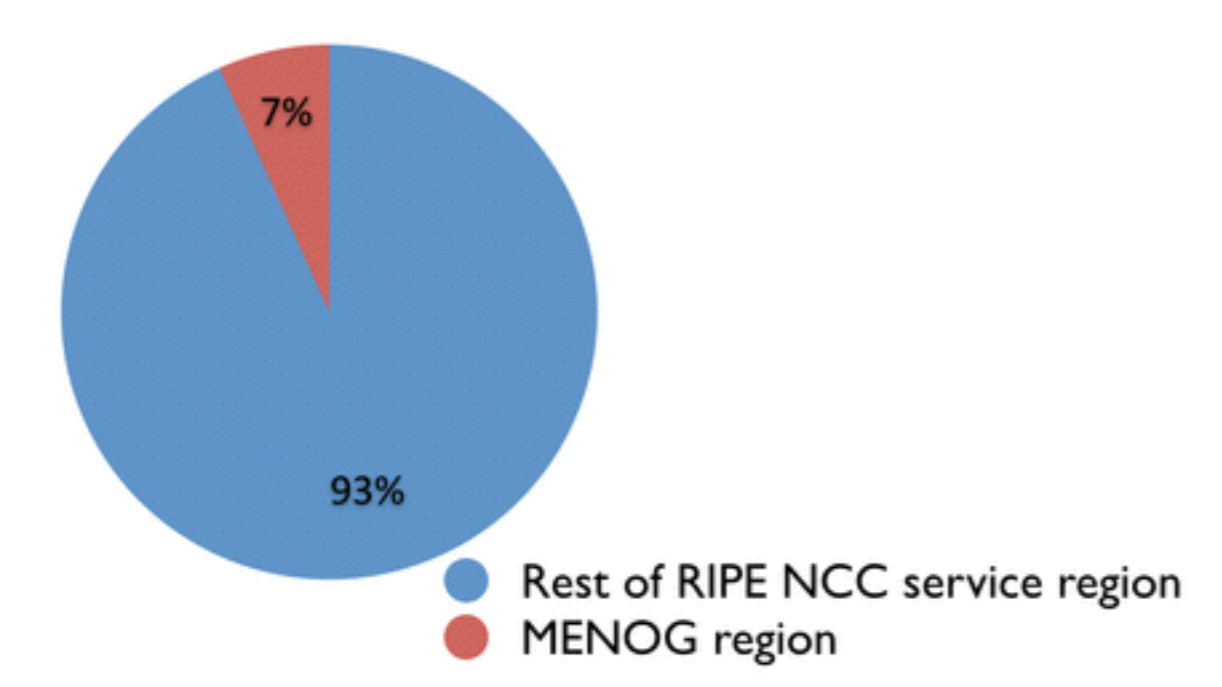


- Statistics based on Atlas's active measurements



<https://labs.ripe.net/Members/mirjam/how-does-the-menog-region-measure-up>

- Membership statistics



<https://labs.ripe.net/Members/mirjam/how-does-the-menog-region-measure-up>

- Access to more data sets (e.g. RPKI)
- More tools
- More visualisations
- 1st RIPE Atlas Hackathon in Amsterdam
 - <https://t.co/DQ1MNn8ldf>

- RIPEstat
 - stat@ripe.net
 - <https://stat.ripe.net>
- RIPE Atlas
 - atlas@ripe.net
 - <https://atlas.ripe.net>
- On RIPE Labs
 - <https://labs.ripe.net>
- <http://roadmap.ripe.net>

Questions?





<https://atlas.ripe.net/anchors/map/>