

RIPEstat

Public Demo, s2e05
24 July 2012

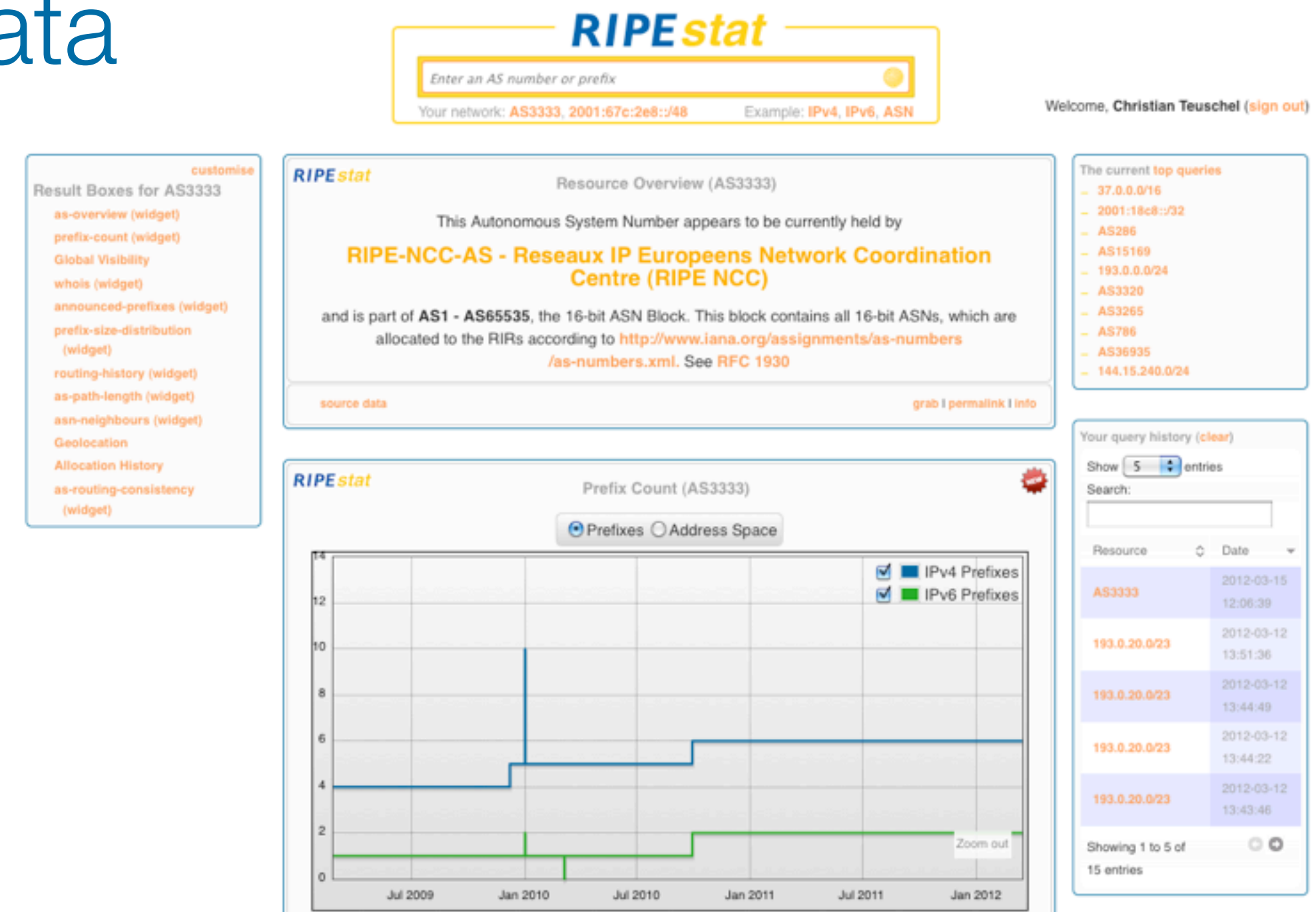
Vasco Asturiano

- 1) Introduction
- 2) New features
- 3) Demo
- 4) Future perspectives
- 5) Feedback



What is RIPEstat?

- Modular & extendable toolbox
- Single interface to Internet related data
 - Network trouble-shooting
 - Data analysis
 - Scientific research
- RIPEstat is your tool
 - Work in progress
 - Development driven by user feedback
 - Periodic, public demos
 - **GET INVOLVED**



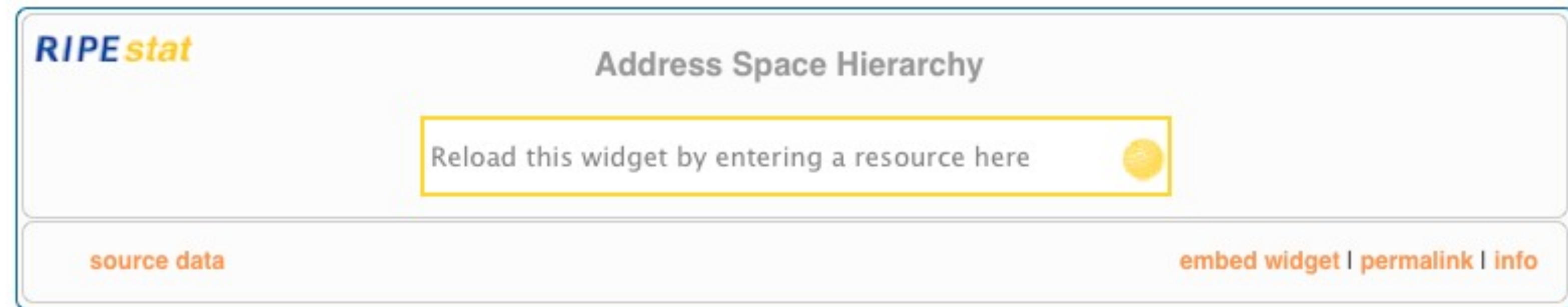
<https://stat.ripe.net>

What's New?

General improvements

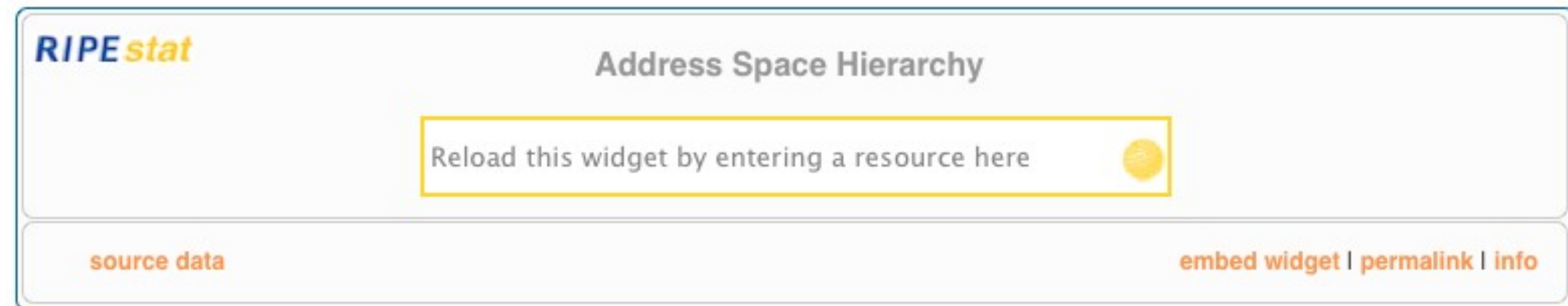
General improvements

- Per-widget resource bar



General improvements

- Per-widget resource bar



```
ripestat.init("whois", {}, null, {  
  size: "small",  
  disable: ["title", "data", "embed-code"],  
  show_controls: "yes",  
  resource_input_text: "Please enter new resource"  
})
```

General improvements

- Per-widget resource bar
- Per-widget information

source data [embed widget](#) | [permalink](#) | [info](#)

Content Explanation

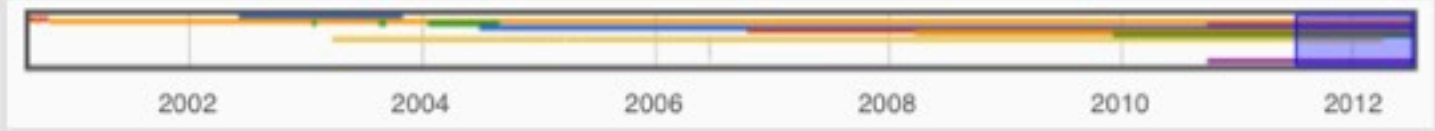
What does this widget show?

Allocation History displays information about allocations and direct assignments of prefixes or AS numbers.

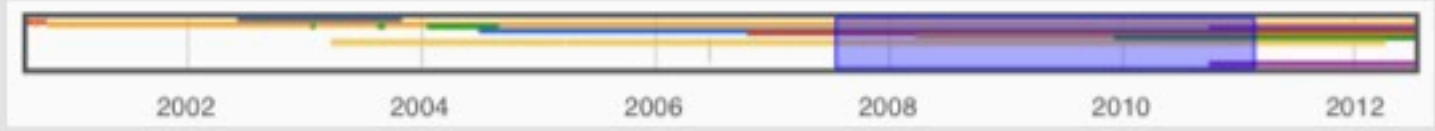
How can the visualisation be interpreted?

When the queried resource was a prefix, the graph will show how that prefix and related (more or less specific prefixes) were allocated over time. When the queried resource was an ASN, the graph will show the allocation of that ASN.

The legend will display all resources, including those which are not announced during the time range displayed. It is possible to change the displayed time period with the timeline selector underneath the graph.



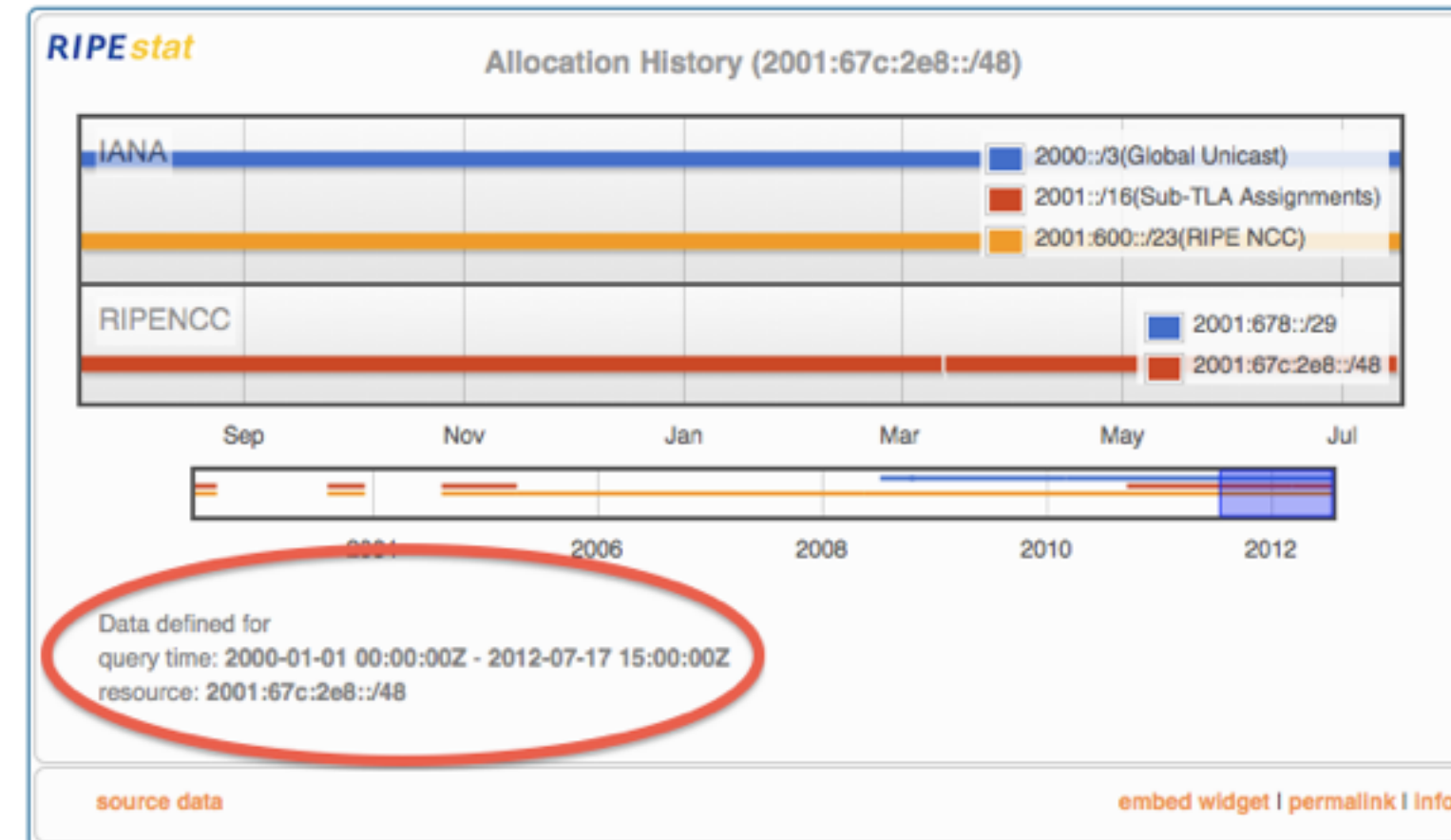
The shaded area is displayed in the graph. This area can be adjusted by moving to the left or right end of the shaded area and then dragging it to the desired location. It is possible to change not only the start and end time, but also the length of the period which is shown.



What is the data source?

General improvements

- Per-widget resource bar
- Per-widget information
- Data range details

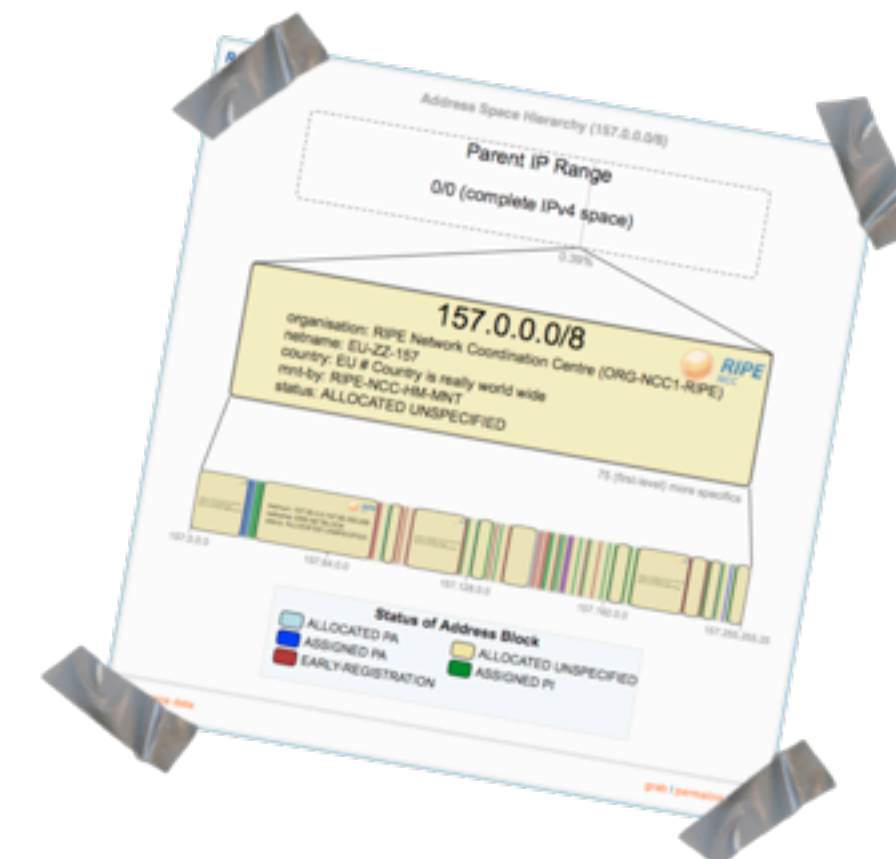
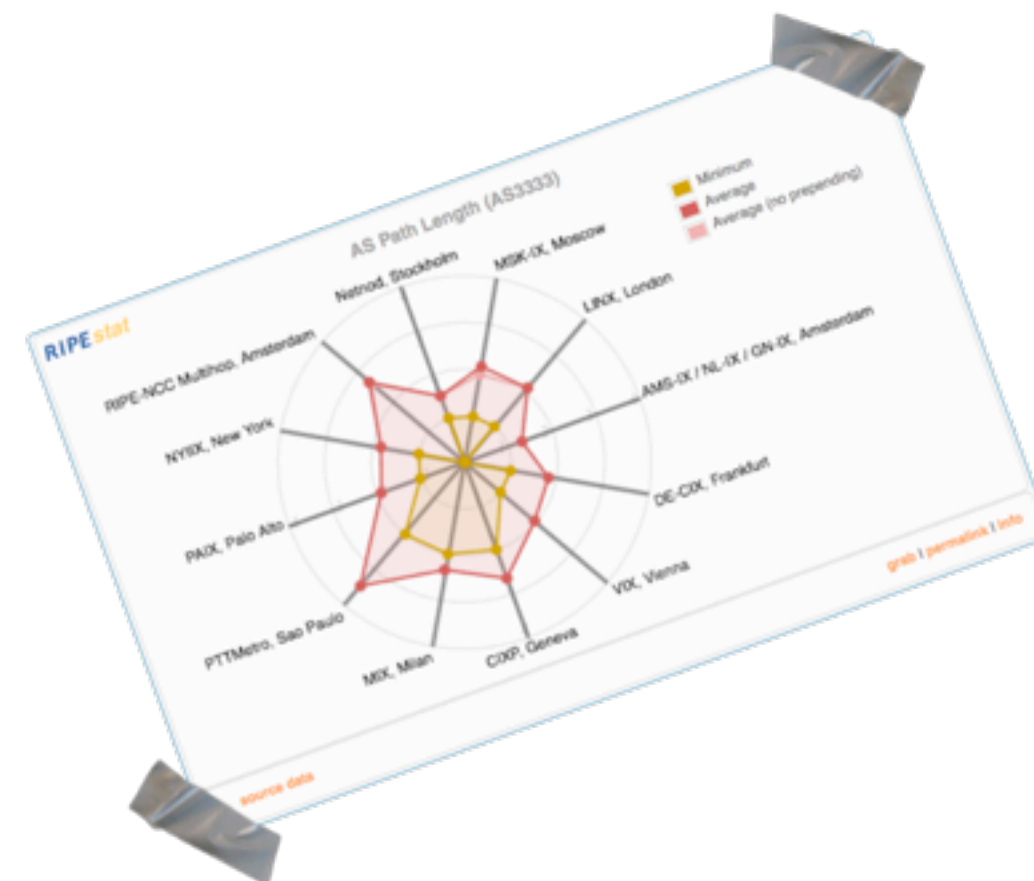


Data defined for
query time: **2000-01-01 00:00:00Z - 2012-07-17 15:00:00Z**
resource: **2001:67c:2e8::/48**

General improvements

- Per-widget resource bar
- Per-widget information
- Data range details
- 100% widgets!

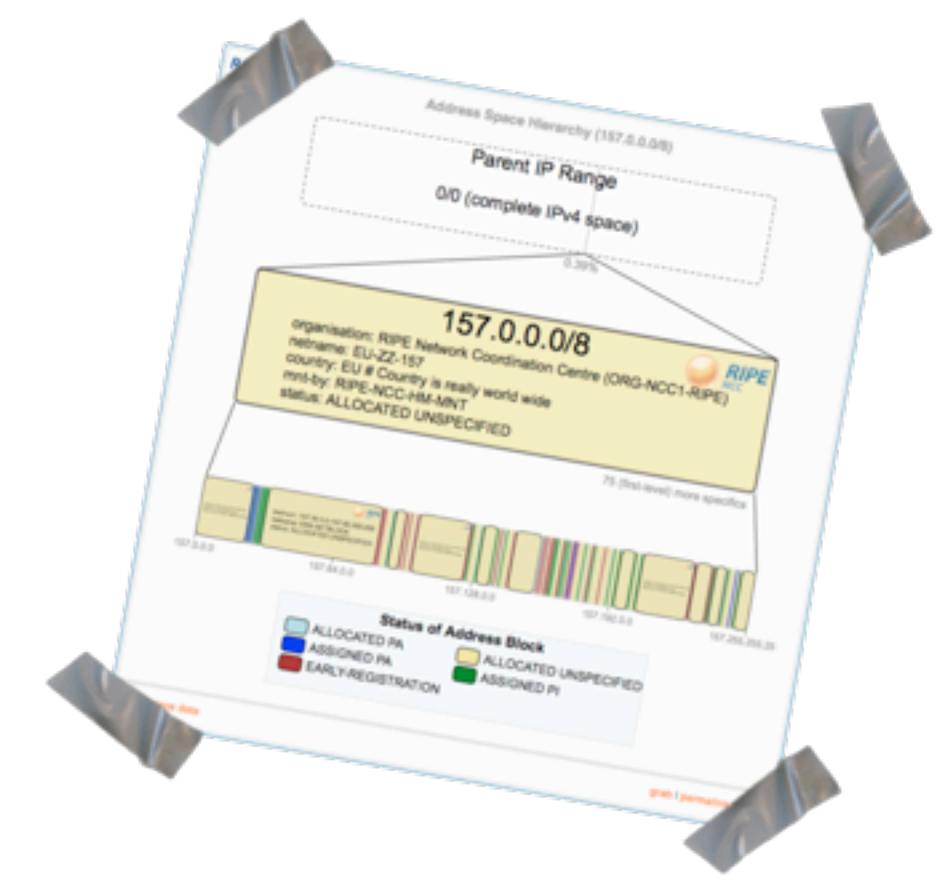
Anywhere you want it.



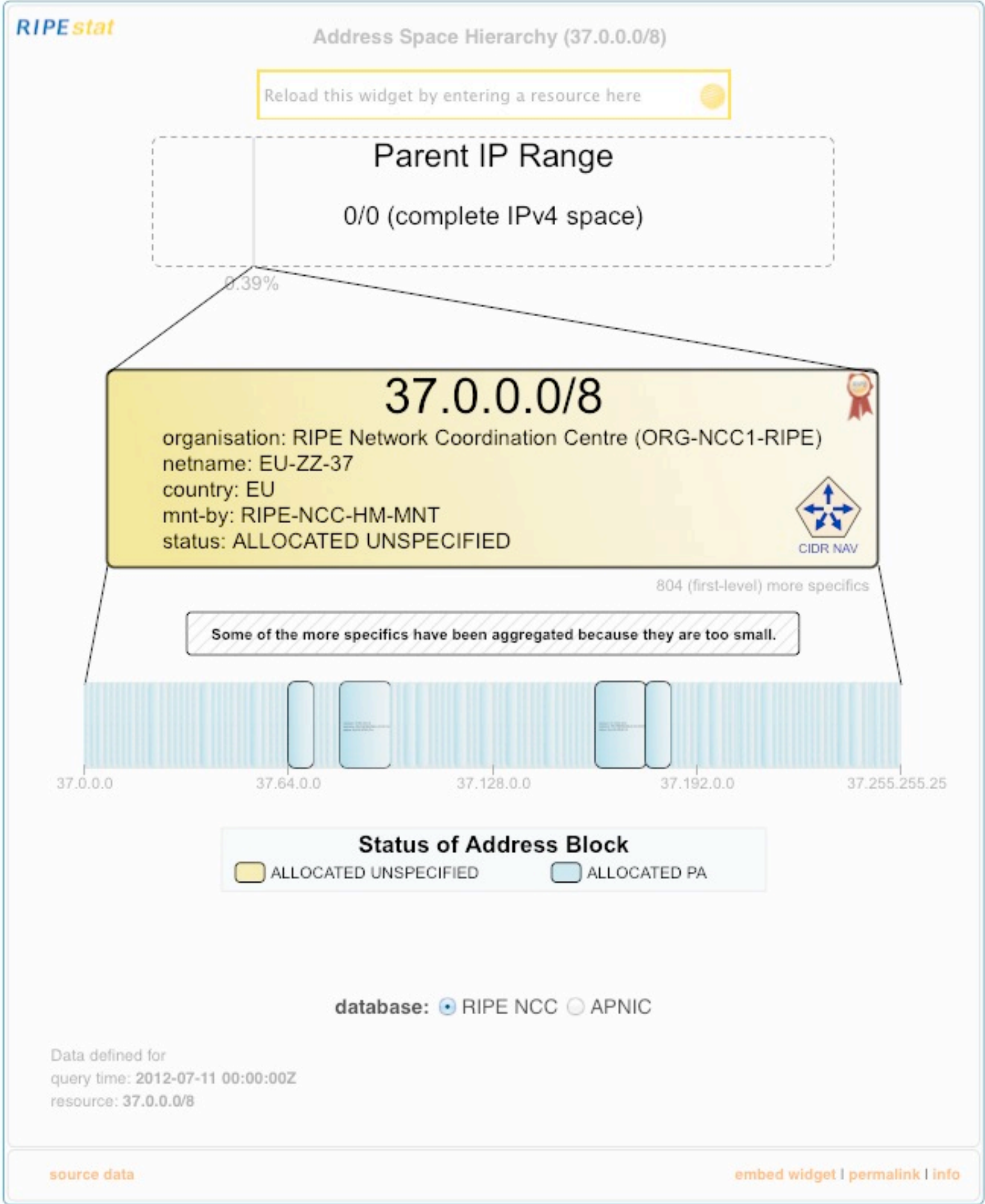
General improvements

- Per-widget resource bar
- Per-widget information
- Data range details
- 100% widgets!
- Performance/reliability boost

Anywhere you want it.

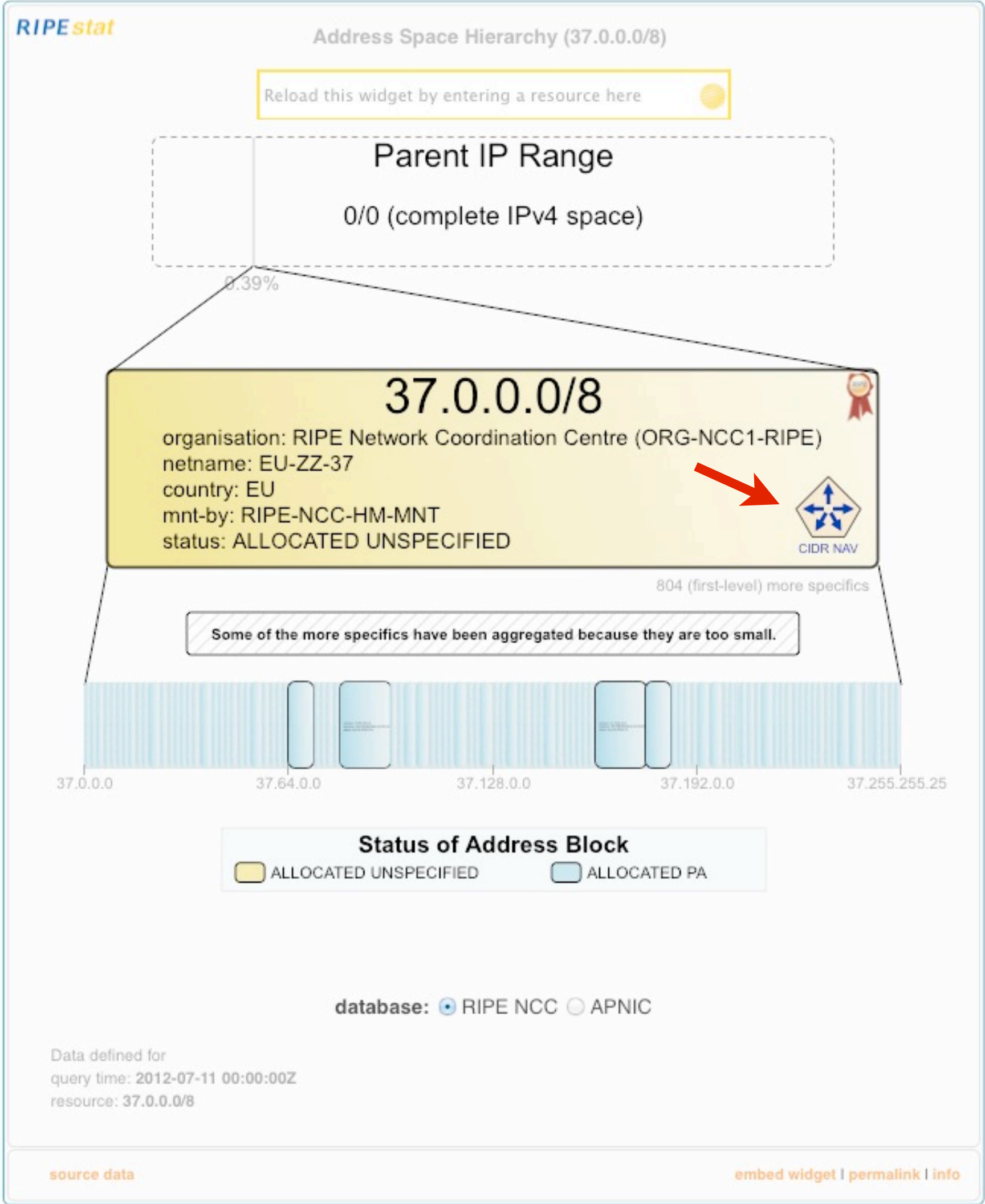


Address Space Hierarchy improvements



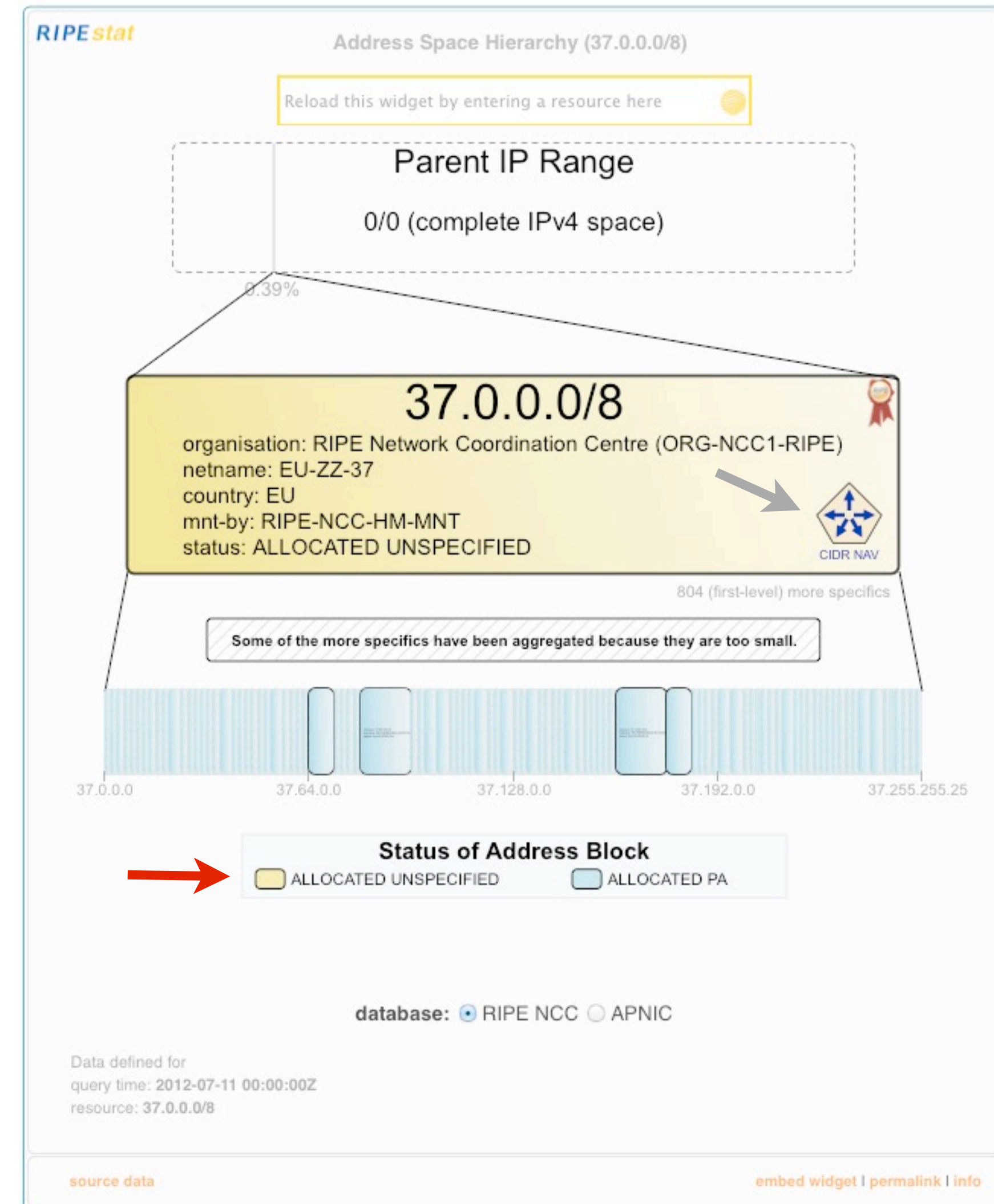
Address Space Hierarchy improvements

- CIDR navigation



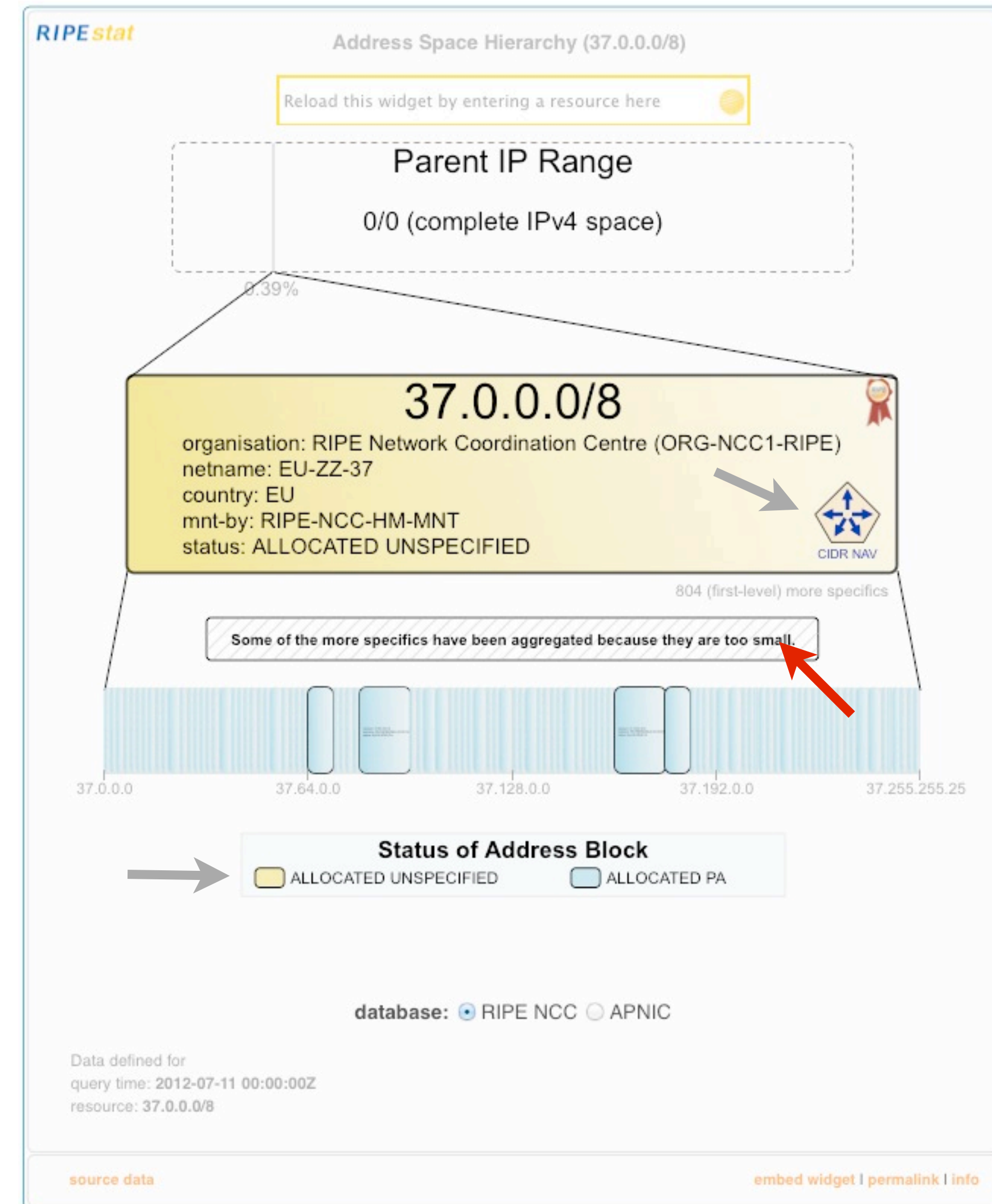
Address Space Hierarchy improvements

- CIDR navigation
- Highlighting



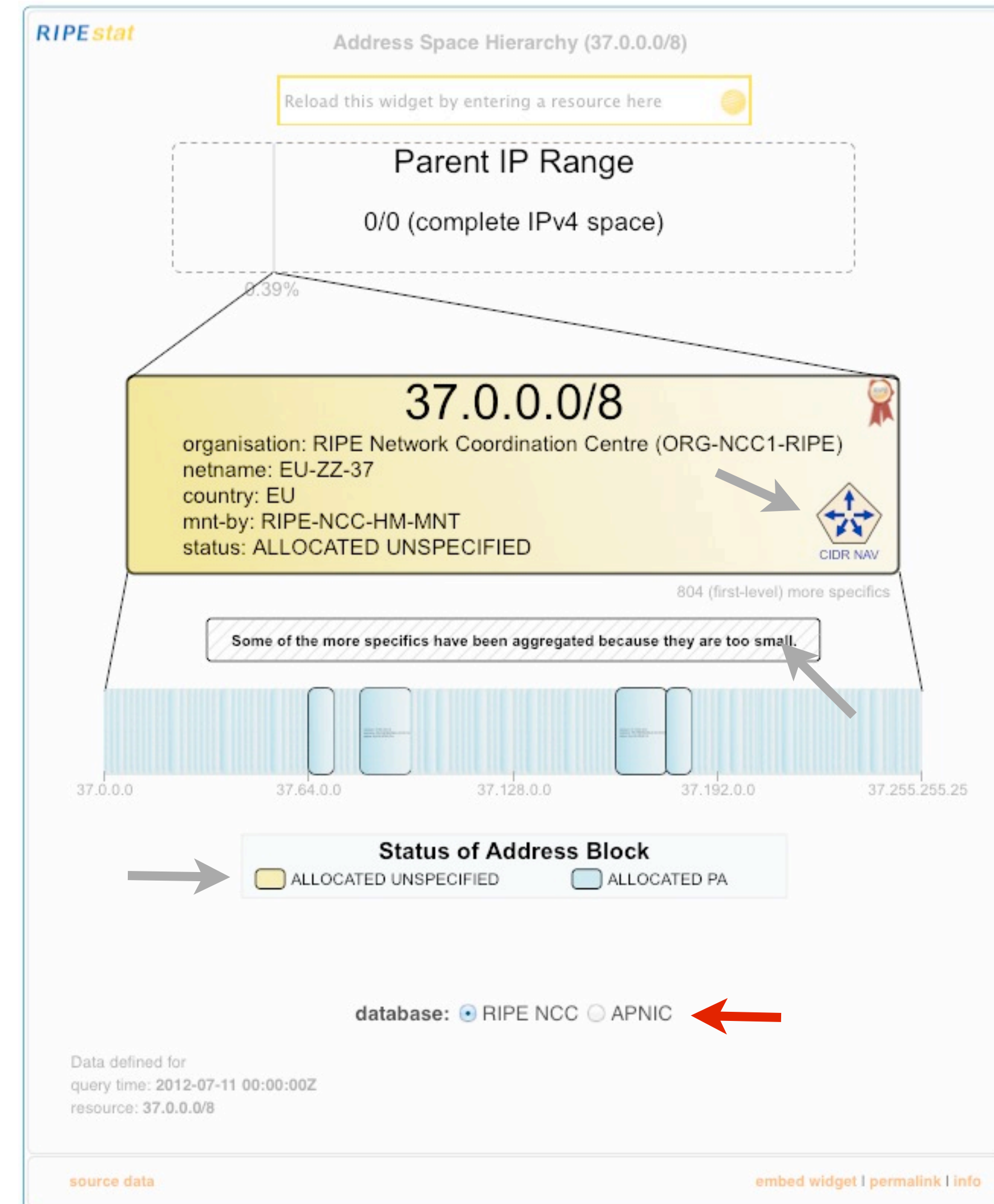
Address Space Hierarchy improvements

- CIDR navigation
- Highlighting
- Block aggregation



Address Space Hierarchy improvements

- CIDR navigation
- Highlighting
- Block aggregation
- APNIC database



More Widgets

More Widgets

RIPEstat Object Browser (AS36935)

Reload this widget by entering a resource here

Valid from 2010-12-20T11:21:43 to 2012-07-11T00:00:00.
3 changes since 2007-02-11T12:32:34.

aut-num: AS36935 [Show all fields](#)

as-name Vodafone-EG
descr Vodafone Egypt Telecommunication S.A.E
mnt-by RIPE-NCC-RPSL-MNT
mnt-by VFEG-MNT

400 x route truncated

- route: 163.121.178.0/24 [origin] [Show all](#)
- route: 163.121.179.0/24 [origin] [Show all](#)
- route: 163.121.188.0/24 [origin] [Show all](#)
- route: 163.121.203.0/24 [origin] [Show all](#)
- route: 197.132.0.0/14 [origin] [Show all](#)
- route: 197.132.0.0/16 [origin] [Show all](#)
- route: 197.132.0.0/17 [origin] [Show all](#)
- route: 197.132.0.0/18 [origin] [Show all](#)

person: Mohamed Elmasry [Show all](#)
[admin-c, tech-c]

mntner: RIPE-NCC-RPSL-MNT [Show all](#)
[mnt-by]

mntner: VFEG-MNT [mnt-by] [Show all](#)

Data defined for
query time: 2012-07-11 00:00:00Z
resource: AS36935

The list of related objects was too large so it has been truncated.

[source data](#) [embed widget](#) | [permalink](#) | [info](#)

- Whois Object Browser
 - Realtime whois data source

More Widgets



The screenshot shows the RIPEstat interface for displaying DNS information. At the top left is the RIPEstat logo. The title is "IPv4/IPv6 DNS Information For A Website" with the example "www.google.com". A search input field contains "Enter a website (e.g. ripe.net)". To the right is a green circular badge for "WORLD IPv6 LAUNCH". Below the search field, there are two columns: "IPv4" with a green checkmark and a list of IP addresses (74.125.79.104, 74.125.79.105, 74.125.79.106, 74.125.79.147, 74.125.79.99, 74.125.79.103), and "IPv6" with a green checkmark and the address "2a00:1450:8005::6a". At the bottom left, there is a "Data defined for" section with query time, resource, resolved via, and authoritative nameservers. At the bottom right, there are links for "source data", "embed widget", "permalink", and "info".

RIPEstat IPv4/IPv6 DNS Information For A Website
www.google.com

Enter a website (e.g. ripe.net)

IPv4 ✓

- 74.125.79.104
- 74.125.79.105
- 74.125.79.106
- 74.125.79.147
- 74.125.79.99
- 74.125.79.103

IPv6 ✓

2a00:1450:8005::6a

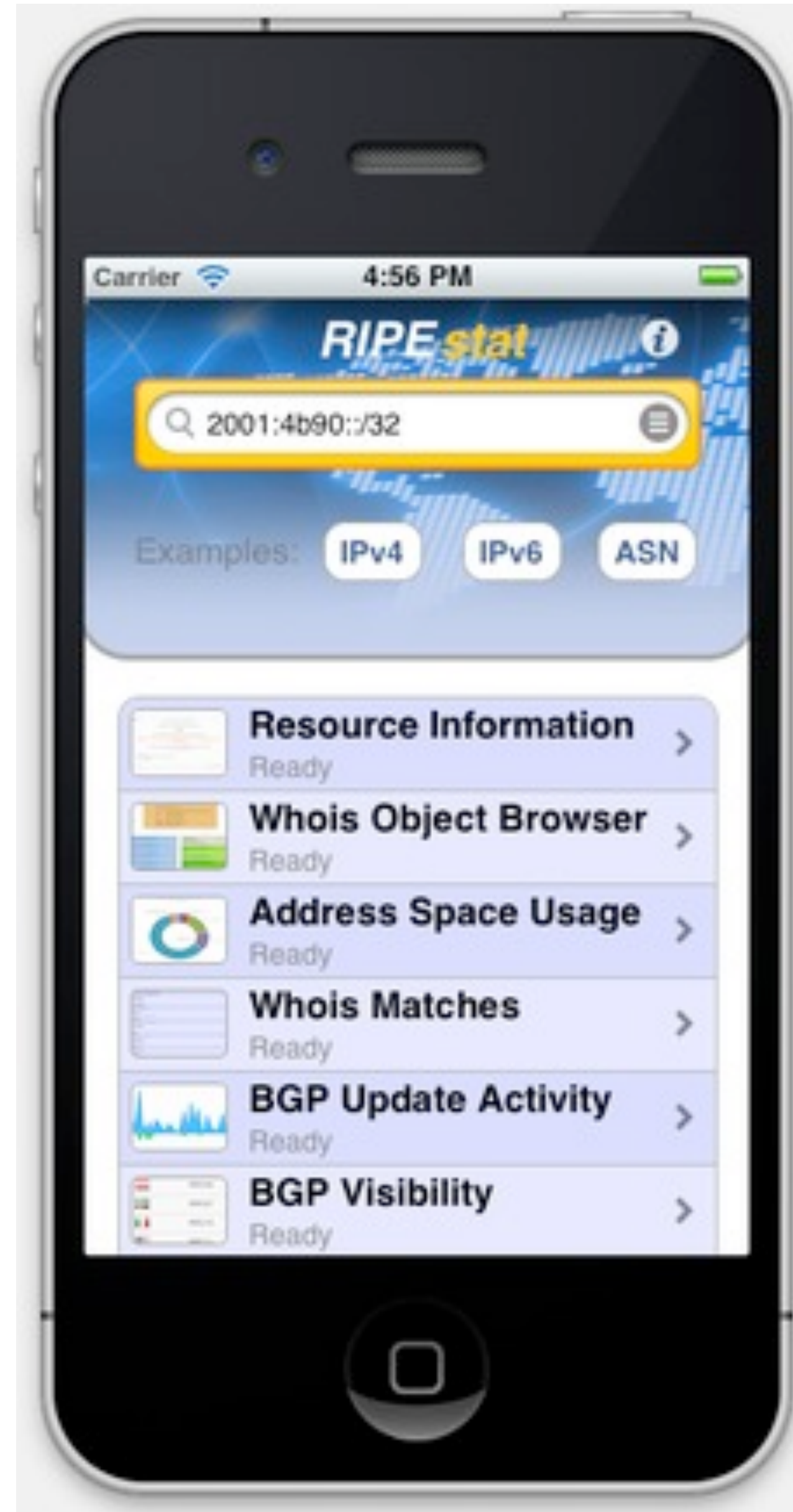
Data defined for
query time: 2012-07-17 15:58:00Z
resource: www.google.com
resolved via: 193.0.19.6, 193.0.19.101, 193.0.19.102
authoritative nameservers: ns2.google.com., ns4.google.com., ns3.google.com., ns1.google.com.

[source data](#) [embed widget](#) | [permalink](#) | [info](#)

- Whois Object Browser
 - Realtime whois data source
- Forward DNS widget
 - During “World IPv6 Launch”

New mobile app version

- For iPhone, iPad
- Version 1.5.0
- Released 10 July



- Bug fixes
- Full conversion to the RIPEstat **data API**
- Adds “Whois Object Browser” plugin

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

Demo

Coming up

Coming up

- Deprecation of old data API
 - ETA mid-August

Coming up

- Deprecation of old data API
 - ETA mid-August

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



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



Coming up

- Deprecation of old data API
 - ETA mid-August
- Integrated feedback per widget

RIPEstat Address Space Hierarchy (145/8) FB

Tell us what you think about this RIPEstat widget ✕

Usefulness? ⓘ

⊖ ☆ ☆ ☆ ☆ ☆

(1=useless | 5=highly useful)

Quality of the data? ⓘ

⊖ ☆ ☆ ☆ ☆ ☆

(1=incorrect data | 5=as accurate and complete as it could ever be)

Clarity? ⓘ

⊖ ☆ ☆ ☆ ☆ ☆

(1=does not make sense at all | 5=I understand what I see perfectly)

Presentation & Interactivity? ⓘ

⊖ ☆ ☆ ☆ ☆ ☆


(1=poor representation | 5=it has everything it needs)

55.25

Leave us your comment (optional)

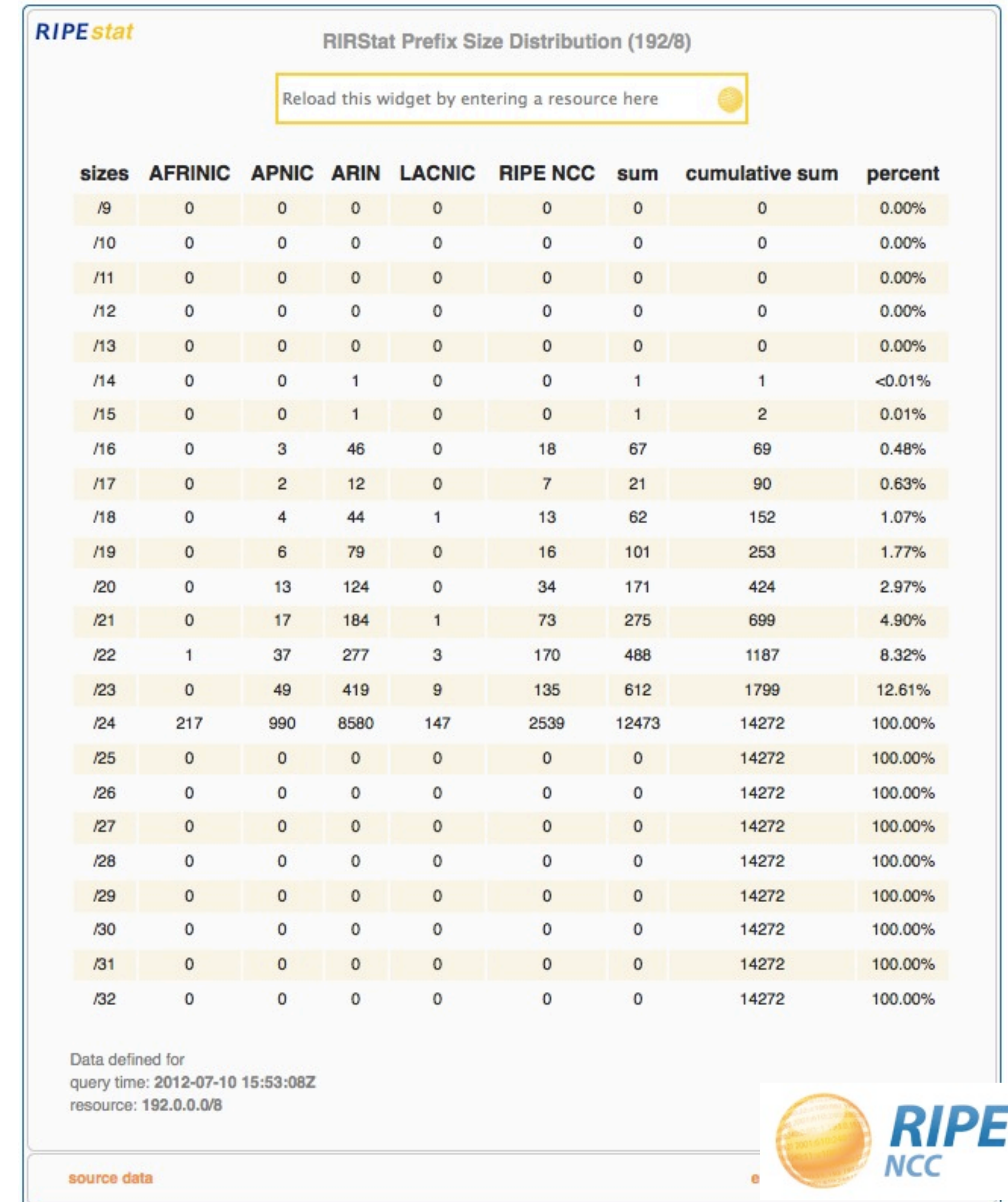
Send

source data embed widget | permalink

 RIPE NCC

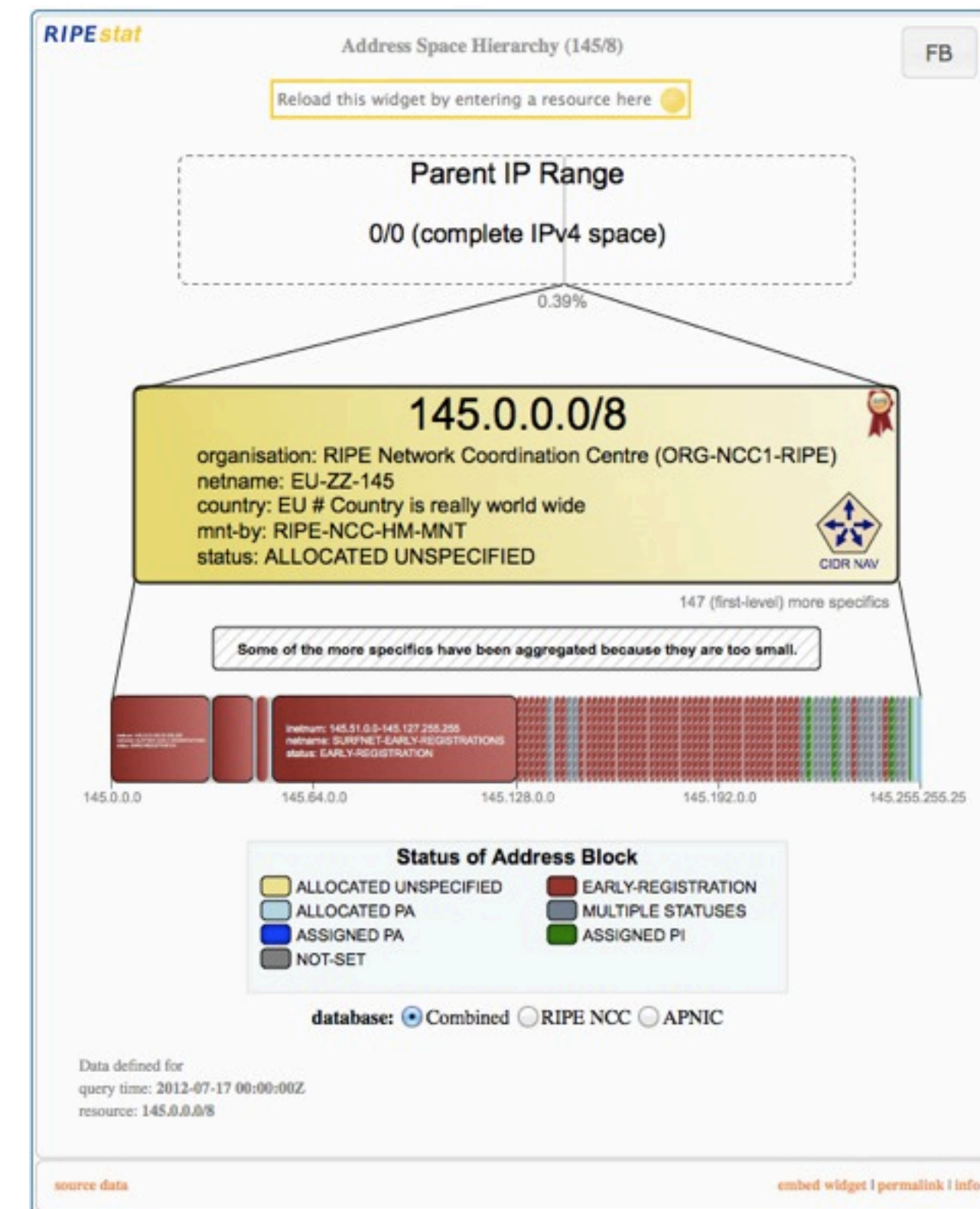
Coming up

- Deprecation of old data API
 - ETA mid-August
- Integrated feedback per widget
- New “RIR delegation size” widget



Coming up

- Deprecation of old data API
 - ETA mid-August
- Integrated feedback per widget
- New “RIR delegation size” widget
- “Address Space Hierarchy”
transparent browsing



database: Combined RIPE NCC APNIC

Coming up

- Deprecation of old data API
 - ETA mid-August
- Integrated feedback per widget
- New “RIR delegation size” widget
- “Address Space Hierarchy”
transparent browsing
- Mobile APP plugin extension



Examples: [IPv4](#) [IPv6](#) [ASN](#)



Coming up

- Deprecation of old data API
 - ETA mid-August
- Integrated feedback per widget
- New “RIR delegation size” widget
- “Address Space Hierarchy”
transparent browsing
- Mobile APP plugin extension
- Backend database resiliency

Feedback

- Play with it:
 - <https://stat.ripe.net/>
- Feedback
 - Comments - on the website
 - In-widget feedback [*coming up*]
 - Measurement, Analysis and Tools working group
 - Homepage: <http://www.ripe.net/ripe/wg/mat/>
 - E-mail: mat-wg@ripe.net
 - Private feedback - stat@ripe.net
 - **#ripestat** on twitter

The End

Next demo - Live @ RIPE65 in Amsterdam

This session and the slides will be archived on RIPE labs:
<http://labs.ripe.net/>

See previous demos and other videos on:
<http://www.youtube.com/user/RIPENCC/>

