

# RIPE Labs

## Operators Tools and Data

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# RIPE Labs

The screenshot shows the RIPE Labs website with a yellow navigation bar at the top containing links for RIPE Database, Database Support, DNS, Statistics & Analytics, Projects, RIPE Labs, and RIPE Atlas. Below the navigation bar is a breadcrumb trail: Labs Home -> Users -> Data Repository -> RIPE Database -> Atlas -> RIPEstat -> About. A user profile for Mirjam Kühne is visible with options for Log Out and My Folder.

The main content area features a "New contributions" section with two articles:

- Large-scale PCAP Data Analysis Using Apache Hadoop** by Wolfgang Nagel (12 October 2011 11:50). The article discusses the RIPE NCC's data-intensive services and the use of Apache Hadoop for analyzing PCAP data. It includes a small Hadoop logo and a "Read more" button. Tags: statistics, DNSSEC, datarepository, root-servers, tools.
- Visibility of Prefix Lengths in IPv4 and IPv6** by Devin Bayer (10 October 2011 16:57). The article explores the relation between global network visibility and prefix length. It includes a small bar chart showing prefix lengths. It includes a "Read more" button. Tags: statistics, routing.

To the right of the articles is a "tagcloud" section listing various tags such as cpe, dns, dnssec, database, rex, ripe, db, rpsl, atlas, certification, datarepository, geolocation, ipv4, ipv6, ipv6day, measurements, policy, reputation, ripestat, root-servers, routing, and statistics tools.

Below the tagcloud is a "Follow us on Twitter" section with a Twitter logo and a link to subscribe to @mir\_ripe\_labs. It contains several tweets with links to articles and dates.



# What is RIPE Labs?

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- It is a web site, but more importantly:
  - It is a platform and a tool **for the community**
- You can:
  - Test and evaluate new tools and prototypes
  - Contribute new ideas and research results
  - Provide feedback and discuss with others

<http://labs.ripe.net/>

# Currently on RIPE Labs

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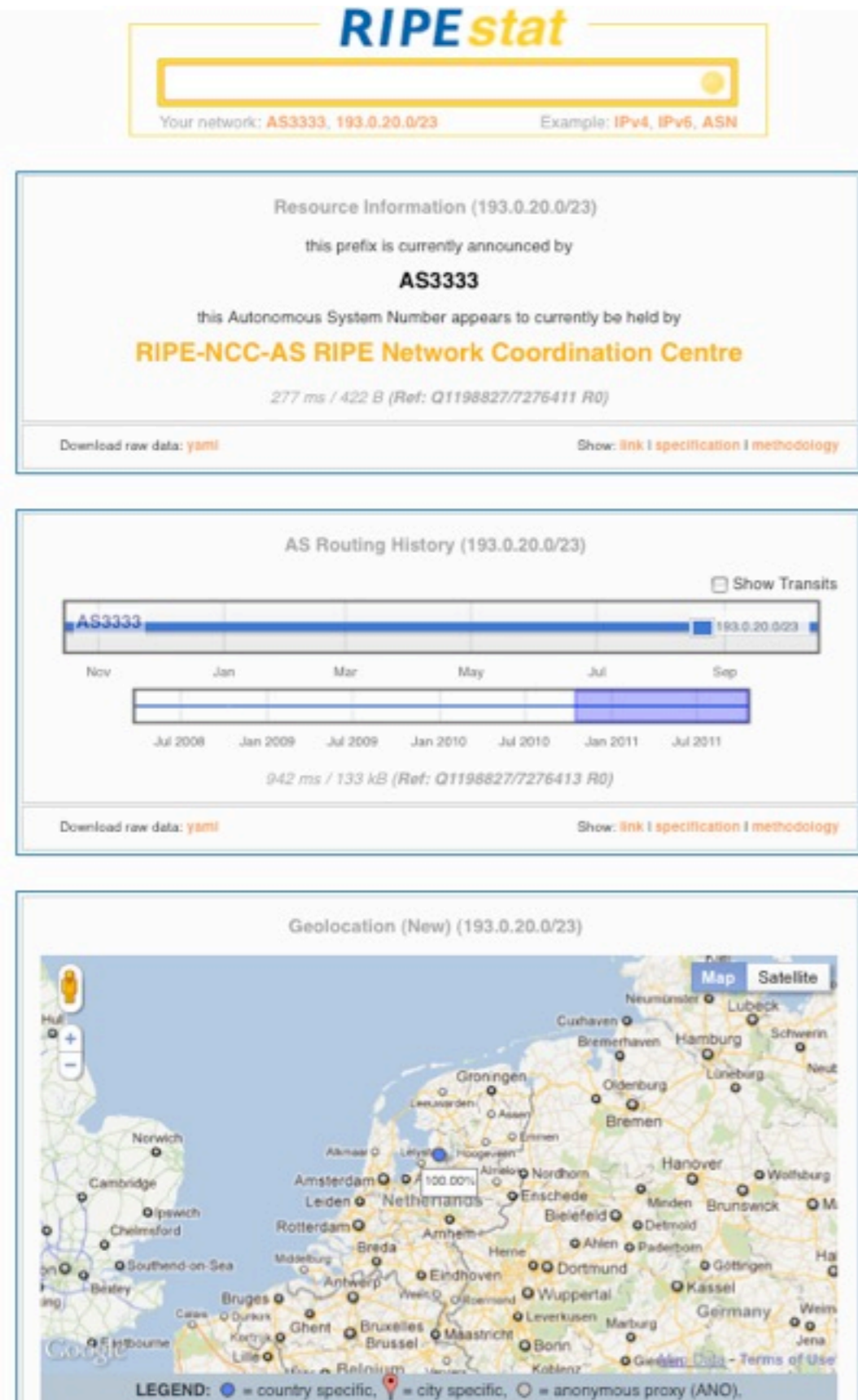
tagcloud

cpe dns dnssec  
database rex  
ripe db rpsl atlas  
certification  
datarepository  
geolocation ipv4  
ipv6 ipv6day  
measurements  
policy reputation  
ripestat  
root-servers  
routing  
statistics tools

- IPv4 and IPv6 measurements
- RIPEstat (operator tool)
- RIPE Atlas (active measurements)
- Statistics and Measurements
- and much more...



# RIPEstat - <http://stat.ripe.net>



- Toolbox
  - all data in one place
  - routing, IP, geoloc, BLs, etc.
  - graphical interface
- Mobile App released
  - for iPad and iPhone
  - Android later
- Monthly live demo session
  - on webex



# RIPE Atlas - Active Measurements Network

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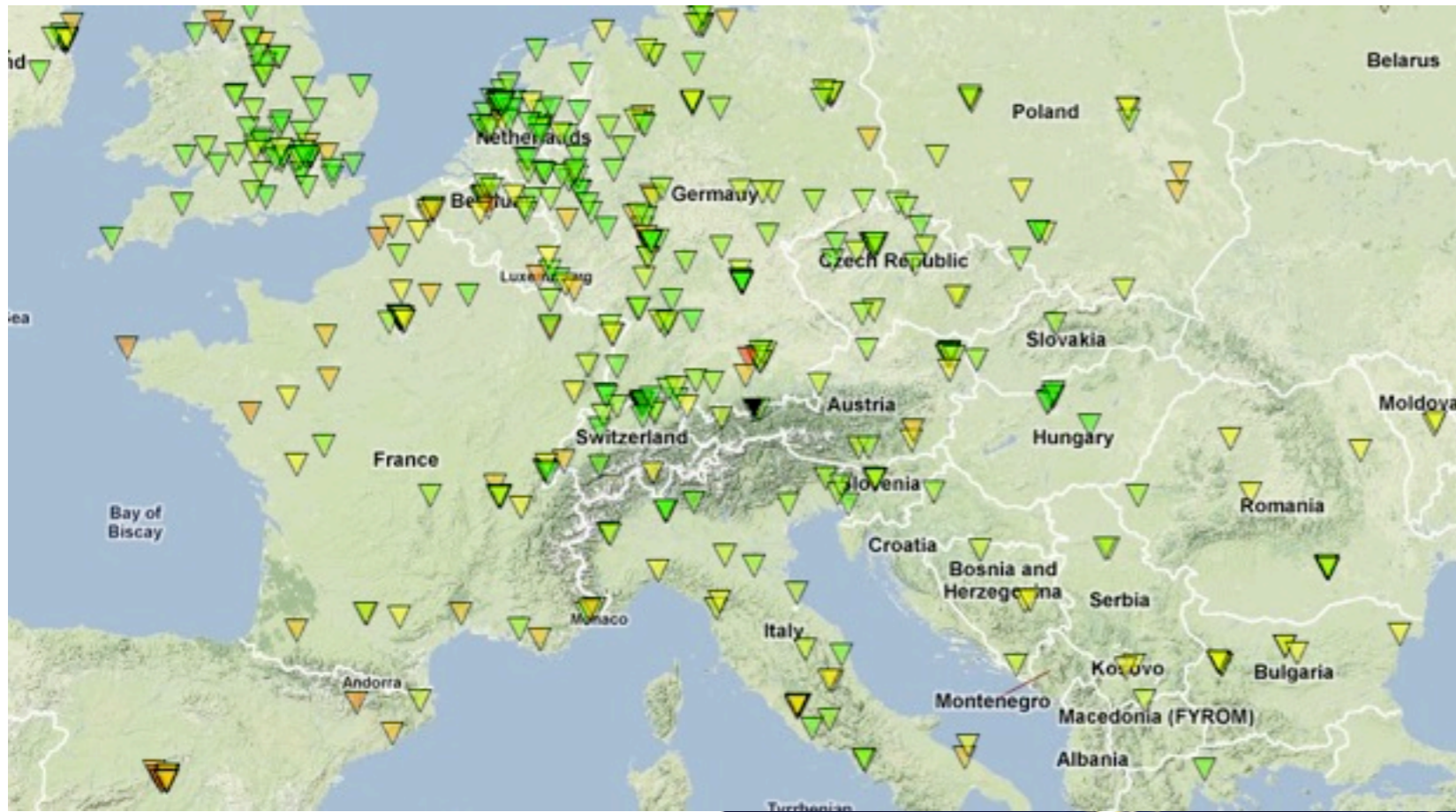
- Next generation Internet measurements network
  - thousands of measurement nodes
  - probes run different measurements
- Instead of building small, individual, private infrastructures, build a HUGE common infrastructure that serves both, private and community goals



<http://labs.ripe.net/atlas>



# RIPE Atlas - Map of Atlas Probes









# Why RIPE Labs?

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- Faster, tight innovation cycle
  - Provide useful prototypes to you earlier
  - Adapt to the changing environment more quickly
- Closer involvement of the community
  - Openness
  - Make feedback and suggestions easier and more effective

# Suggestion and Questions

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- Please take a look and **participate**
- Leave a comment under an article
- Questions and suggestions to [labs@ripe.net](mailto:labs@ripe.net)

<http://labs.ripe.net/>

# Questions?

