# Future of Information Services @ RIPE NCC

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# RIPE Atlas

- Very large network of measurement devices
  - Collecting data about key metrics, including latency and path
  - Two different type of probes
- Unrivalled in collecting and keeping Internet measurements
- Delivers huge value in monitoring trends, e.g. how a country is connected to core Internet infrastructure and how decisions effect that

# RIPEstat

- Data presentation platform
- All of our data is publicly available
  - RIPEstat is a platform to aggregate, analyse and personalise our data and third party data
- Moving towards personalised views
  - LEAs will be able to get the data they want in the format they want
  - From macroscopic country level views to microscopic host views

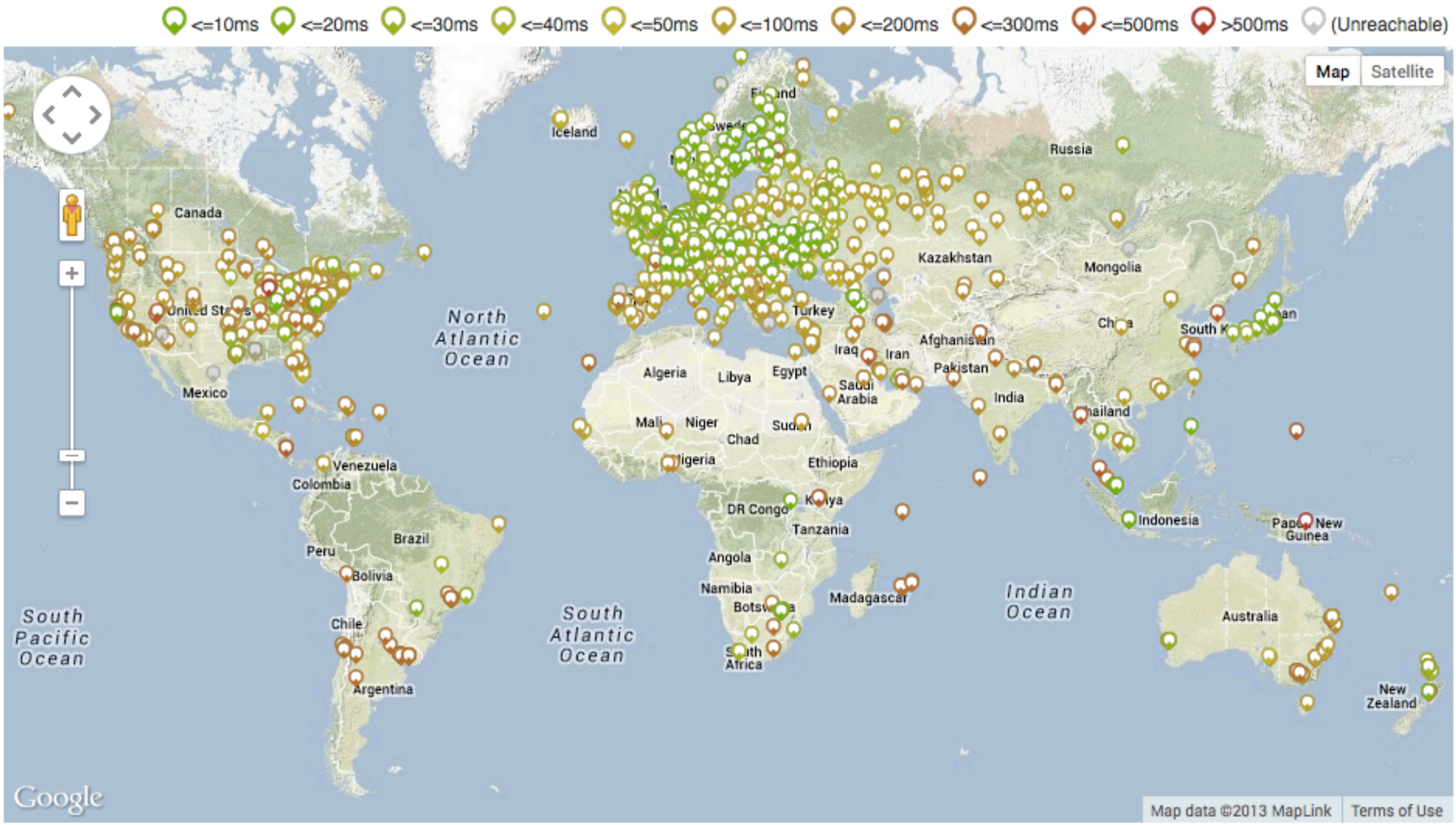
# DNS and Research

- Single authoritative source for reverse DNS information in RIPE NCC service region
  - Roughly 120k queries/sec
- One of 12 organisations running root name servers globally
  - Operate K-root; roughly 20k queries/sec
- Research on demand
  - Such as effect of natural disasters on a country's connectivity, cable cuts, political unrest, service attacks

# Future of our services

- Developing service and data aggregation to deliver direct value for our audience:
  - Country level bandwidth measurements from Google M-Lab data correlated with network changes
  - Simplifying data presentation, e.g. correlating whois data with abuse information and contact information
  - Going global: one source for basic research, instead of querying five RIRs and multiple third-party sources
  - Views designed for specific needs

# Map of I-root Reachability




**RIPE Atlas RTTs Map produced at: 2013-08-10 08:17:16 UTC.**
**Measurements taken between 2013-08-10 07:47:16 UTC and 2013-08-10 08:17:16 UTC.**

# Questions?

# Suggestions?