RIPE Atlas
Global Internet Measurement Network

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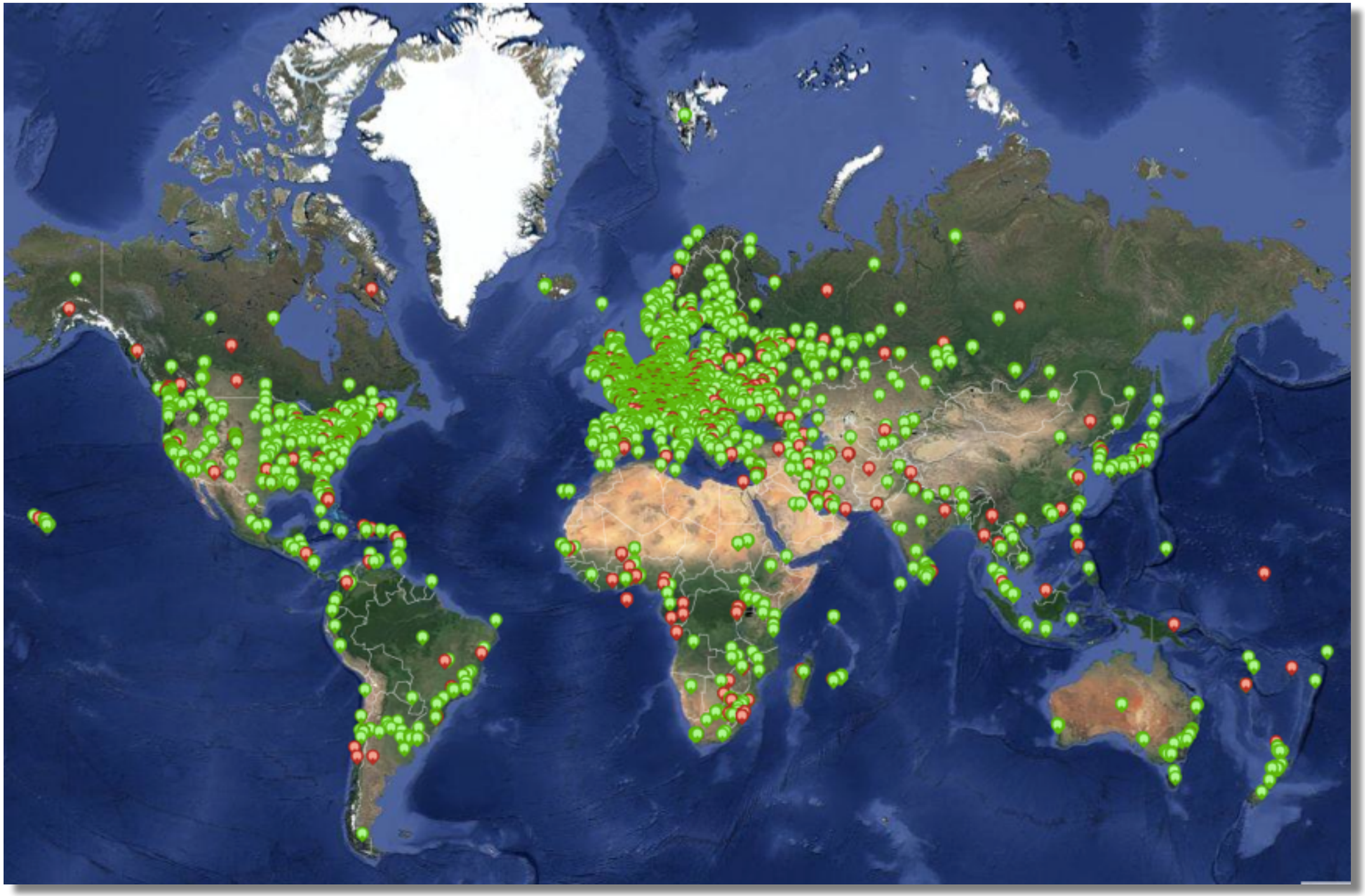
RIPE NCC

RIPE Atlas

- Active measurements network consisting of thousands of probes
- Ongoing global measurements to root nameservers
  - Visualised as Internet traffic maps
- Ongoing regional measurements towards “anchors”
- Users can run measurements to targets of their choice
  - ping, traceroute, DNS, SSL/TLS and NTP
- Data publicly available via API and visualisations

RIPE Atlas



RIPE NCC

August 2015

- 8,600+ probes connected
- **230**+ probes in LACNIC region
- 5,000+ active users in the last quarter
- 2,500+ results collected per second
- 35,000+ customised measurements weekly

Country	Probes
Brazil	56
Argentina	28
Chile	21
Uruguay	15
Mexico	7
Dominican Republic	7
Venezuela	6
Colombia	4
Trinidad and Tobago	4
Peru	4

Selected
RIPE Atlas Use Case

Measuring IXP effectiveness

- Impact of IXPs on keeping traffic local

  https://labs.ripe.net/Members/emileaben/measuring-ixps-with-ripe-atlas

  https://labs.ripe.net/Members/emileaben/measuring-countries-and-ixps-in-the-see-region

  http://sg-pub.ripe.net/emile/ixp-country-jedi/CL+AR-2015-04/geopath/

RIPE Atlas Community

RIPE NCC

We Need Your Help!

https://labs.ripe.net/Members/emileaben/distribution-of-ripe-atlas-probes

Host a Probe or an Anchor!

- For individuals:
  - Create a RIPE NCC Access account
  - Go to https://atlas.ripe.net/apply
  - You will receive a probe by post
  - Register your probe
  - Plug in your probe
- For organisations:
  - Host an anchor https://atlas.ripe.net/anchors/apply/
  - Sponsor RIPE Atlas
- Find out more in your language:
  - http://www.lacnic.net/web/lacnic/ripe-atlas

RIPE Atlas Anchors

- Anchors: stable targets and powerful probes

- Benefits of hosting an anchor:
  - External view of your own network - all other anchors measure **you**
  - 400 probes also target each anchor with ongoing measurements

- 143 RIPE Atlas anchors
  - LACNIC will sponsor 10
  - Upcoming: NIC Chile & NIC Costa rica

Become a Ambassadors or Sponsor

- Ambassador
  - Helps distribute probes outside RIPE NCC service region
  - Gives workshops, tutorials and promote RIPE Atlas

- Sponsor
  - Promotion on RIPE Atlas website
  - Community recognition
  - Double credits for every probe distributed

- email mcb@ripe.net

Contacting RIPE Atlas

- https://atlas.ripe.net
- Articles and updates on RIPE Labs: https://labs.ripe.net/atlas
- Mailing list for active users: ripe-atlas@ripe.net
- Questions: atlas@ripe.net
- Twitter: @RIPE_Atlas and #RIPEAtlas

Questions?