# RIPE NCC

RIPE NETWORK COORDINATION CENTRE

# RIPE NCC
# Community Building

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# RIPE NCC Community Building

- RIPE meetings

  - RACI programme / RIPE Fellowship / Diversity TF

- Other events organised by RIPE NCC

  - Regional meetings / Training courses & on-line education / Hackathons

- Community support

  - NOG support / Community Projects Fund

- RIPE Atlas

  - Probe hosts / Anchor hosts / Ambassadors / Sponsors / FLOSS Devs

- RIPE Labs

# RIPE Meetings

# RIPE Meetings

- Twice a year, whole week long

- Working groups, plenary sessions, tutorials

  - Remote participation possible

  - tickets: week (€ 350), day (€ 125), student/week (€ 50)

  - new LIRs get two "gratis" tickets

- RIPE 76: Marseille, France: 14-18 May, 2018

  - https://ripe76.ripe.net

- RIPE 77: Amsterdam: 15-19 October 2018

  - https://www.ripe.net/participate/meetings

# RACI
## RIPE Academic Cooperation Initiative

- Students and researchers:

  - Present your Internet-related research at RIPE Meetings

  - Complimentary tickets, travel and accommodation

  - Topics: network measurement and analysis, **security**, IPv6 deployment, BGP routing, Internet governance, peering and interconnectivity, IoT

- ripe.net/raci

# RIPE Fellowship

- Get support to attend RIPE meeting

  - Removing the cost barrier

  - Increasing diversity

  - https://labs.ripe.net/Members/agowland/apply-now-for-new-ripe-fellowship-programme

- Five fellows/felow-esses  per meeting

  - Complimentary tickets, travel and accommodation provided

- Apply from February 2018

  - https://www.ripe.net/participate/ripe/ripe-fellowship

# RIPE Diversity Task Force

- Diversity is important!

- Started a Task Force to coordinate the efforts

  - https://www.ripe.net/participate/ripe/tf/ripe-diversity-task-force

- Mailing list:

  - https://lists.ripe.net/mailman/listinfo/diversity

- Articles:

  - https://labs.ripe.net/diversity

# Other Meetings

# Regional Meetings

- Once a year:

- MENOG

- ENOG

- SEE

- https://www.ripe.net/participate/meetings/regional-meetings

- Open to everyone

- Also: mailing lists for regional cooperations

**Next Regional Meeting**

ENOG 15 / RIPE NCC Regional Meeting
04 Jun 2018 - 05 Jun 2018 Moscow, Russia

SEE 7 / RIPE NCC Regional Meeting
18 Jun 2018 - 19 Jun 2018 Timisoara, Romania

# Training courses

- Six different types

- Every week, all over RIPE NCC region

  - LIRs/members only

  - One day, or two day, or with a lab / workshop

- On-line options: Academy, Webinars, Tutorials

  - open to everyone

- ripe.net/training / training@ripe.net

# Community Support

# NOG Support

- (country) Network Operators Groups

  - e.g. SwiNOG, iNOG, NLNOG, UKNOF, RSNOG, DENOG…

- labs.ripe.net/nogs

- An overview of events, a calendar, and a map

- RIPE NCC has funding for NOG meetings

  - supporting mostly new or smaller NOGs

- Please ask if you want us to send a speaker

# Community Projects Fund

- Very new, first time this year!

- RIPE NCC is financially supporting projects that benefit Internet community (250,000 Euro)

- Info: https://www.ripe.net/support/cpf/ripe-ncc-community-projects-fund

- Apply: https://www.ripe.net/support/cpf/application-for-good-of-the-internet-funding

- Deadline: 24 November!

# Previous RIPE NCC Hackathons

- labs.ripe.net/hackathons

  - RIPE Atlas DataViz (March 2015)

  - RIPE Atlas Tools for Operators (October 2015)

  - RIPE Atlas Interfaces (April 2016)

  - IXP Tools  (October 2016)

  - IXP Tools Code-Sprint (April 2017)

  - DNS Measurements (April 2017)

  - Version6 (November 2017)

- All code on GitHub

# Future Participation in Hackathons

- ● Use the software and tools

  - Share your use cases and success stories

- ● Modify the code, contribute improvements

  - All the code is on GitHub

- ● Early call for 2018

  - Two events planned: Spring and Autumn 2018

  - Be a host / local partner / juror / sponsor

  - Be a participant again :)

- ● Watch this page: https://labs.ripe.net/hackathons

# RIPE Atlas

https ⌐ en.wikipedia.org/wiki/RIPE_Atlas

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Article  Talk  Read  Edit source  Edit  ★  More ▾   Search

# RIPE Atlas

From Wikipedia, the free encyclopedia

**RIPE Atlas** ⧉ is a global, open, distributed Internet measurement platform, consisting of thousands of measurement devices that measure Internet connectivity in real time.

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# Most Popular Features

- Six types of measurements: ping, traceroute, DNS, SSL/TLS, NTP and HTTP (to anchors)

- APIs to start measurements and get results

- Powerful and informative visualisations

- CLI tools

- Streaming data: real-time results

- "Time Travel", LatencyMON, DomainMON, TraceMON

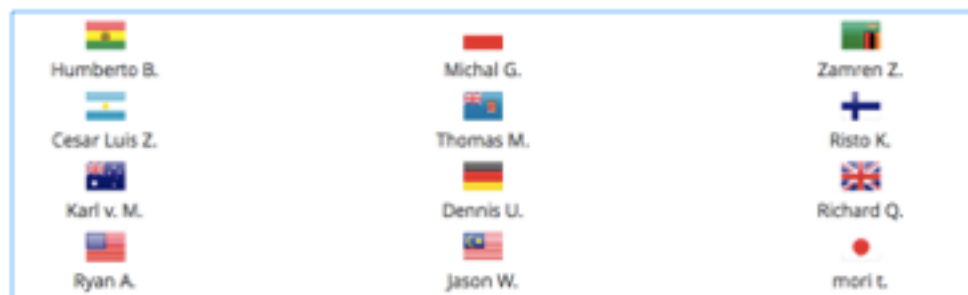- Roadmap shows what's completed and coming

# RIPE Atlas Community Participation

- 19,000 probes given to **volunteers / hosts**

  - out of that, 10,000+ active

- 36,000 **users**

- 311 anchors hosted by **operators**

- On average five **sponsors** every year

- 400+ **ambassadors**, at many conferences

  - https://atlas.ripe.net/landing/get-involved/

  - https://atlas.ripe.net/get-involved/community/

# Get Involved!

- Use RIPE Atlas for your operations: monitoring, troubleshooting, measuring

- Do scientific <u>research</u>

- Participate in a <u>webinar</u>

- Add <u>multi-lingual</u> content

- Become an <u>ambassador</u> or a <u>sponsor</u>

- Host a <u>RIPE Atlas anchor</u>

- Place a probe in a new exotic location

# More info & contacting RIPE Atlas

- **https://atlas.ripe.net**

- Use cases and updates: **https://labs.ripe.net/atlas**

- Mailing list for active users:

  - ripe-atlas@ripe.net

  - https://www.ripe.net/participate/mail/forum/ripe-atlas

- Questions: atlas@ripe.net

- Twitter: @RIPE_Atlas and #RIPEAtlas

RIPE Labs
INNOVATIVE INTERNET TOOLS AND IDEAS
SHARE EXPERIENCE | SHOWCASE TOOLS | PRESENT RESEARCH

- Publish your research or use case

- Reach out to RIPE Community

- Read about latest analysis or conferences

- labs.ripe.net

# End of hackathon: GRATITUDE!

- Big thanks to:

  - Comcast - our sponsor!

  - DKNOG - local support!

  - ITU.dk - our location host!

  - JURORS!

  - … and of course ALL OF THE PARTICIPANTS!!!

  - and to your families who are missing you this weekend, and gave you support to prepare, travel & recover :)

# **End of hackathon: Give us feedback!**

- What did you like?

  - coffee? stickers? T-shirts?

  - VMs?

  - communications channels?

  - stroopwafels??

- What could have been better?

  - we'd like to improve for the next time!

- BECHA@ripe.net