



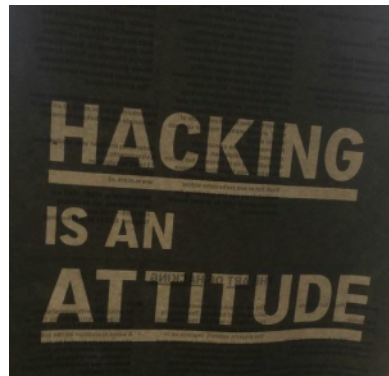
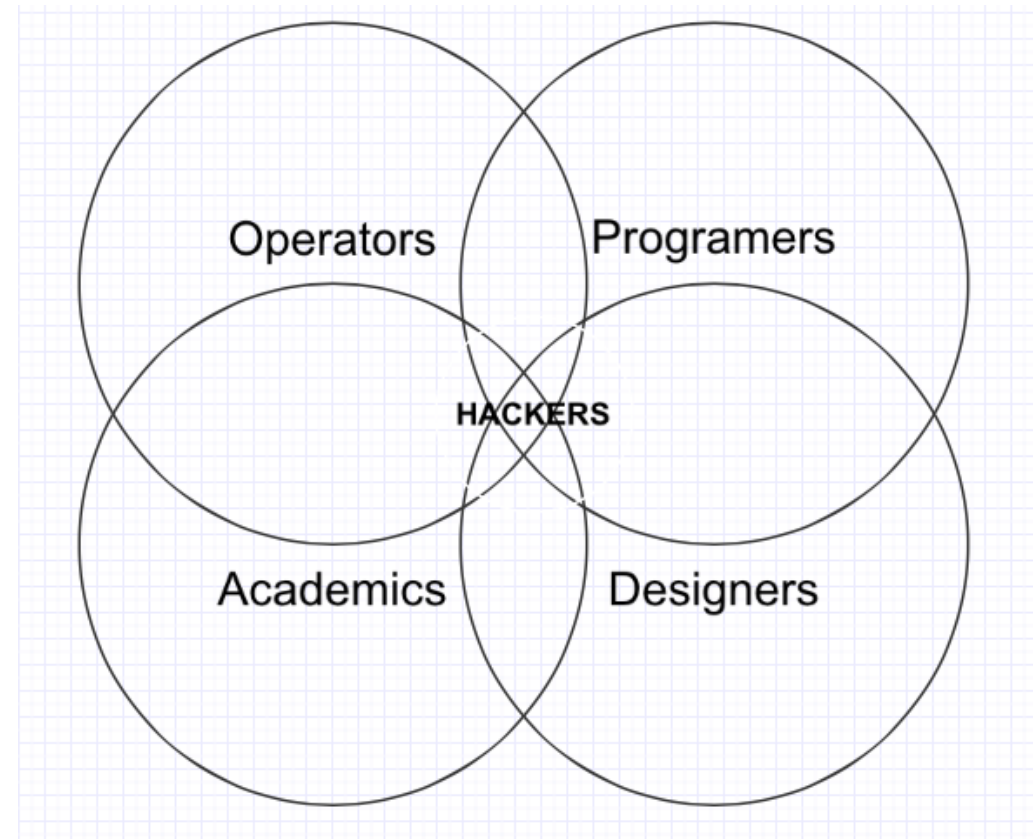
RIPE Atlas Hackathon Results

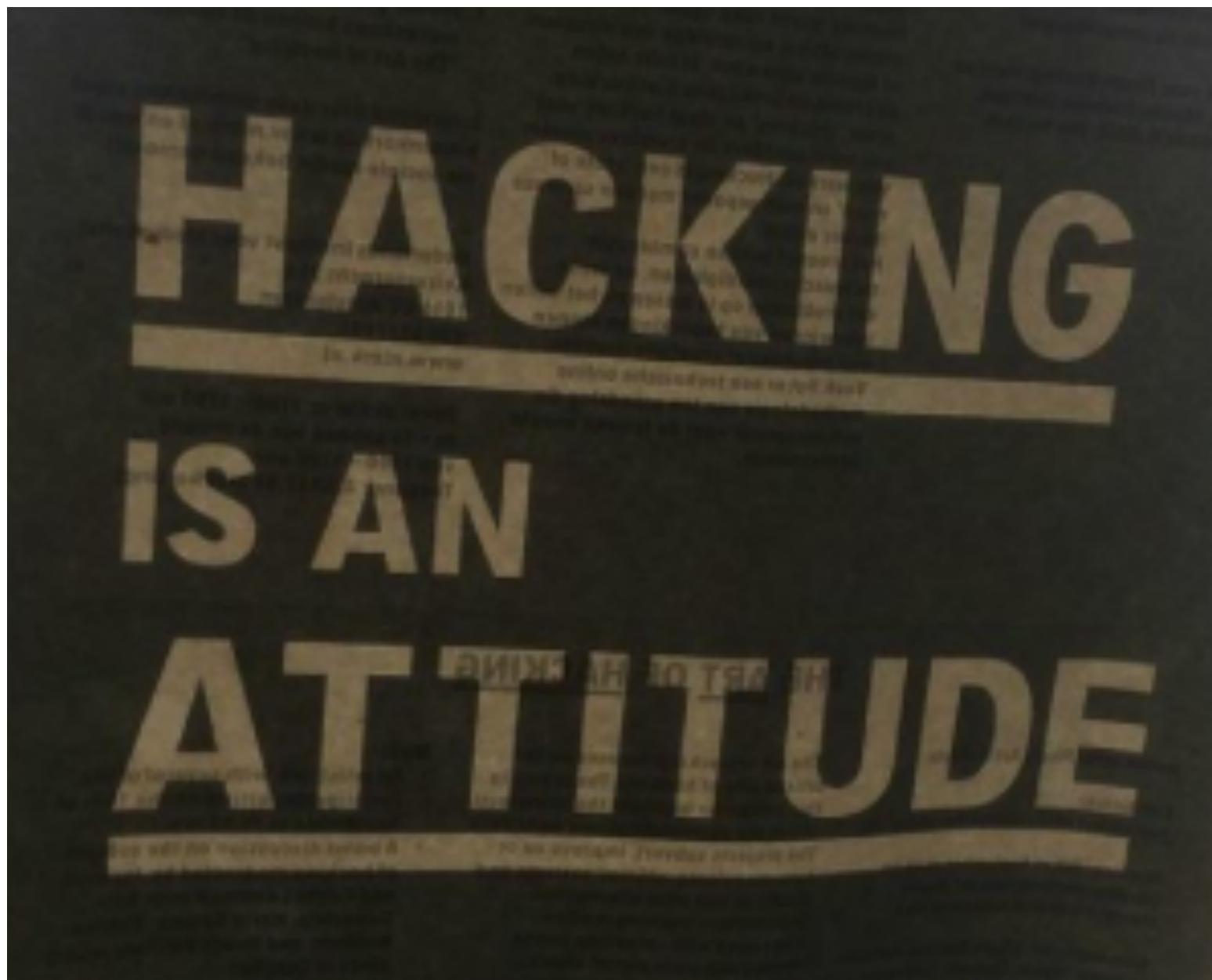
Vesna Manojlovic
Community Builder for
Measurement Tools
RIPE NCC



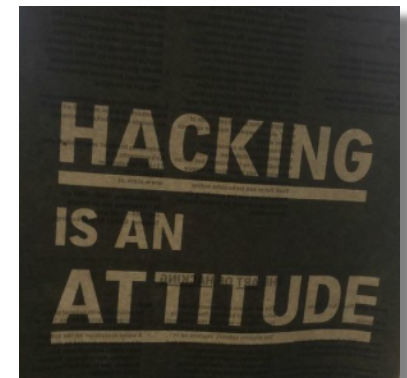
RIPE
NCC

- Instead of throwing more resources on the problem, get people together for:
 - Inspiration
 - Sharing ideas
 - Multidisciplinary approach
 - Working hard + having fun
- Amazing results!

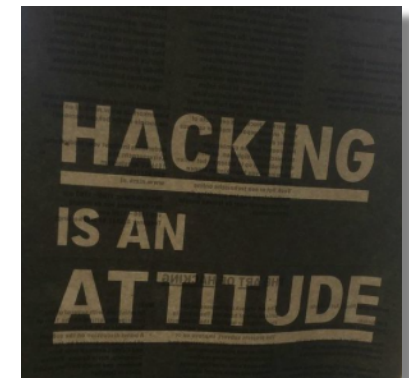




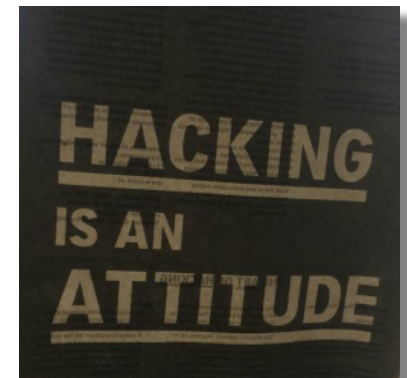
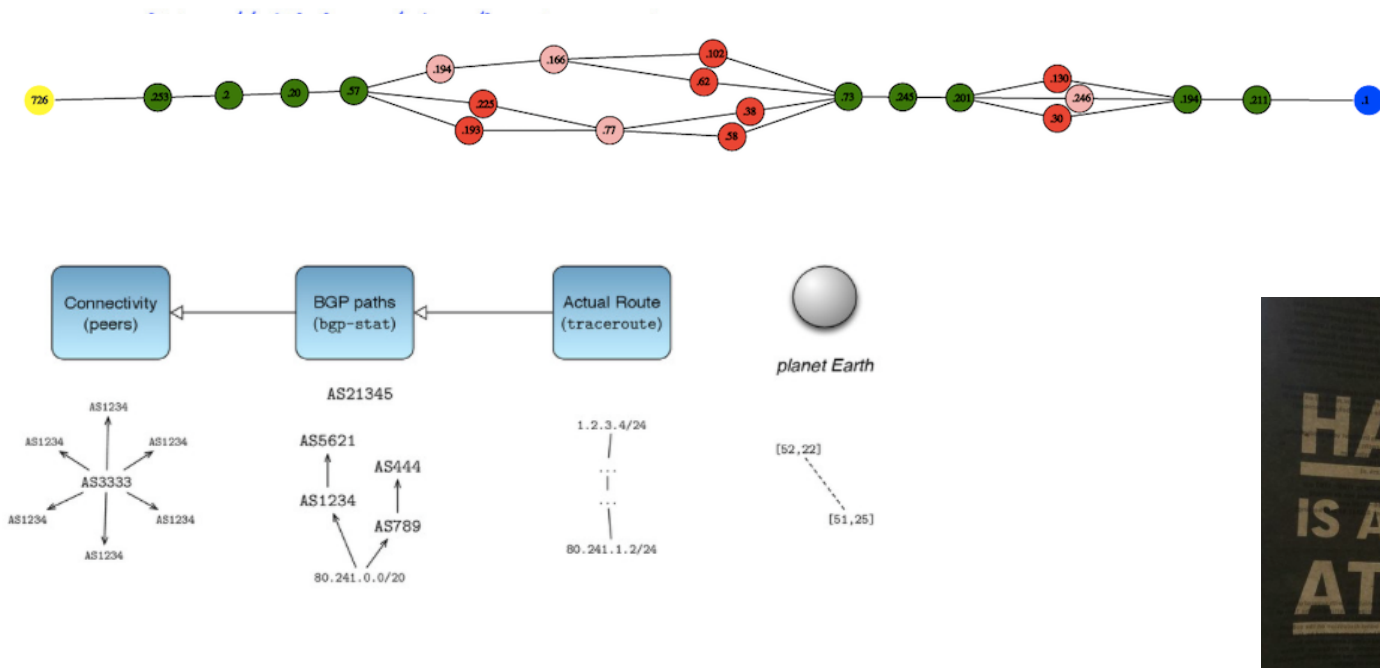
- Make cool, free #dataviz software with RIPE Atlas data
- Organisers:
 - RIPE NCC: data, tools, support staff and venue (weekend)
 - Comcast: sponsored awards and travel costs
 - TechInc: local hackerspace
- Locations in Amsterdam
 - Work and lunch: RIPE NCC & TechInc
 - Dinner and party: Radion & Tara



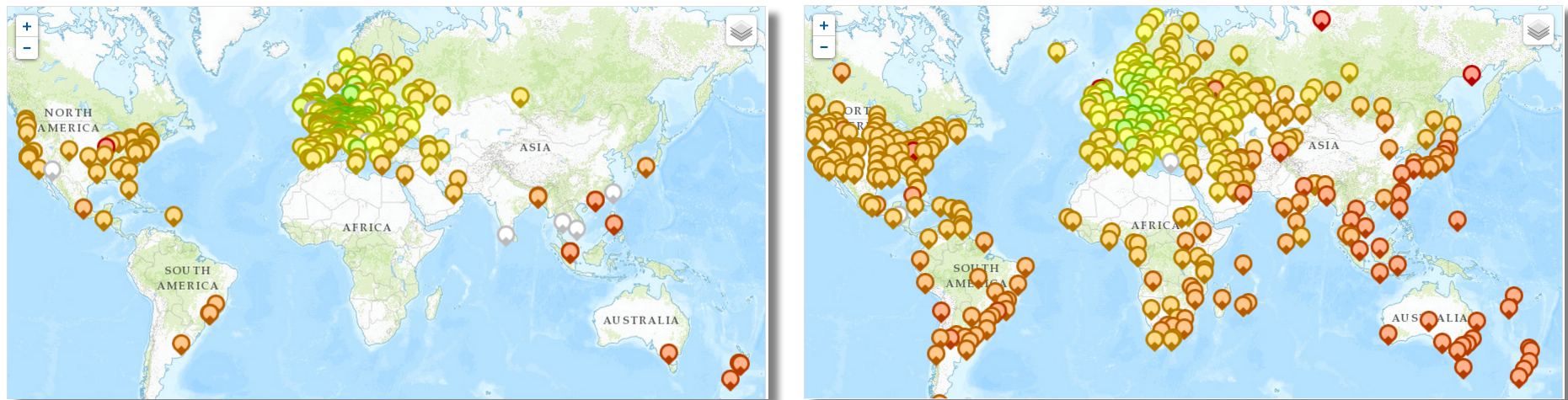
- Participants:
 - 24 participants, six jury members and 11 support staff
 - More than 70 applications
- Diversity:
 - Six out of 25 participants were women (24%)
 - Three jury members were women (50%!)
 - From 10+ countries worldwide (mostly Europe)
- Ten final projects were presented
 - 14 free & open source software projects published on GitHub
 - Four projects were awarded prizes



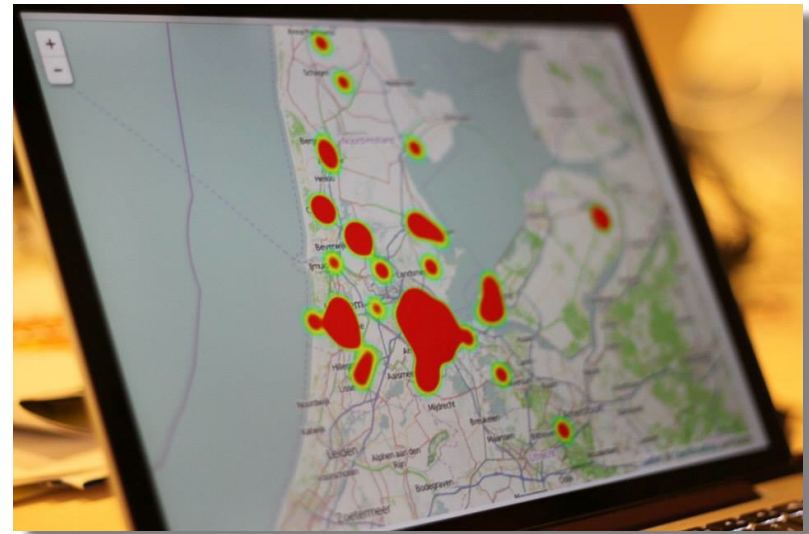
- Shared between: BGP+traceroute (by Jelle Herold) & Traceroute Consistency Check (by Valentino Di Donato)
- Combining RIS & RIPE Atlas data in a tool that maps traceroute measurements towards anchors and correlates with ASN information, then draws traceroute paths changes

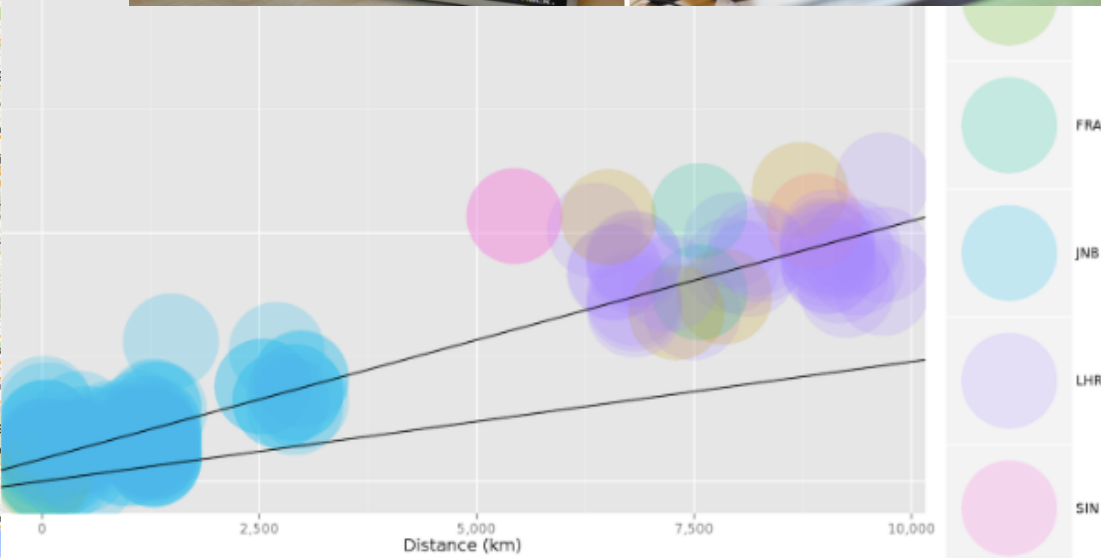
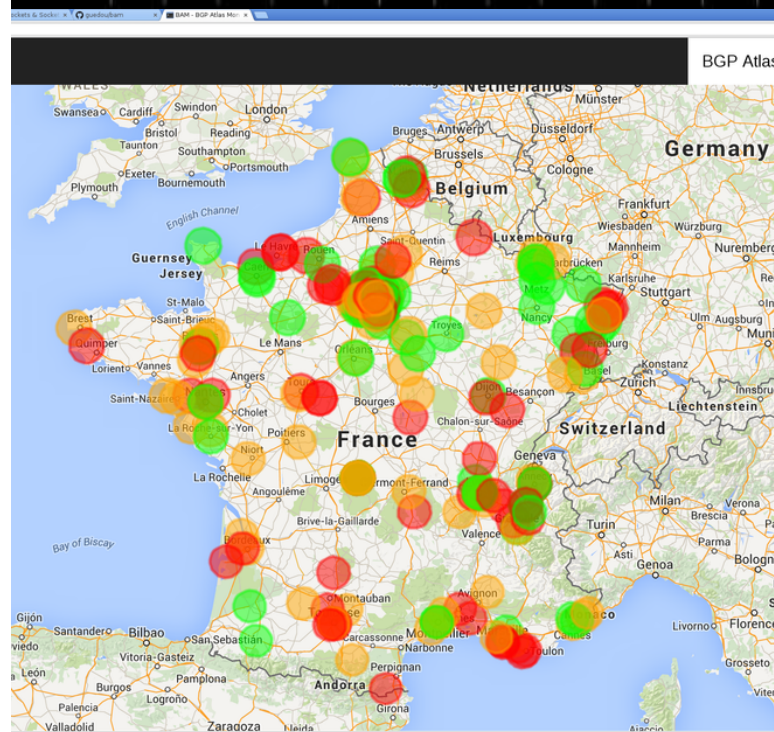
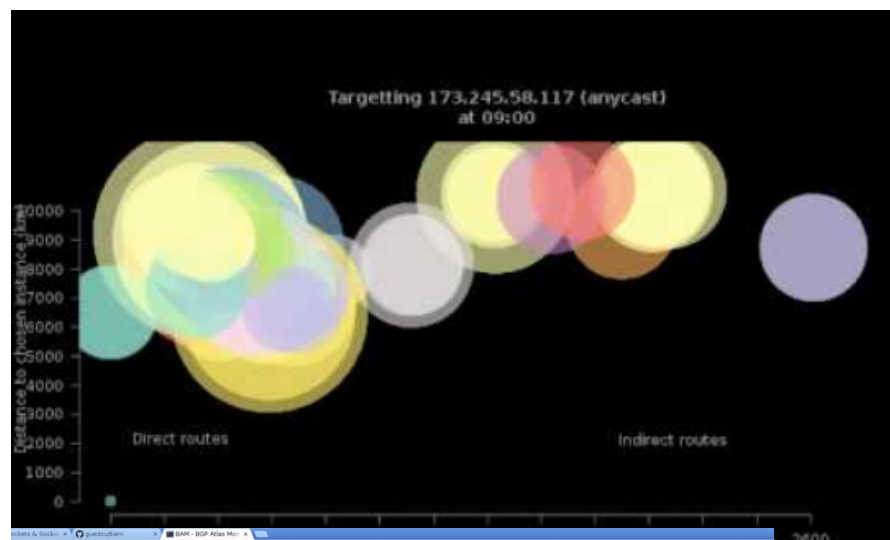


- Spatial Bucketing of RIPE Atlas Probes on Map Projection (by Julian Hammer)
 - Problem: when scheduling measurements from many probes, requesting a "random worldwide selection" currently results in a selection biased towards Western/Northern Europe and the USA
 - Solution: more distributed selection, plus alternatives to Mercator projection



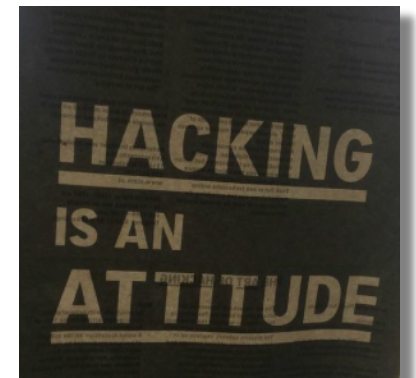
- Appetite for Disconnection (by Merlijn Tishauser, Nana Klok-Manojlovic, Anna-Kaisa Pietilainen and Igor Rinkovec)
- Combined multiple data sources:
 - Live RIPE Atlas data showing disconnection events
 - Twitter feed
 - Weather information
- Specific to zoomed-in area
- Heat map visualisation of disconnected probes



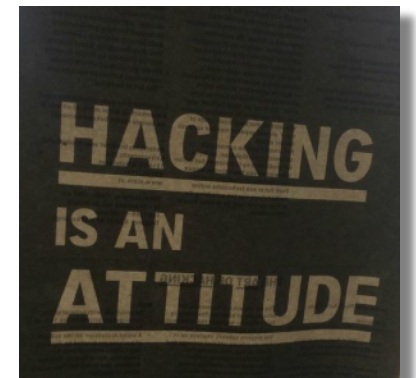




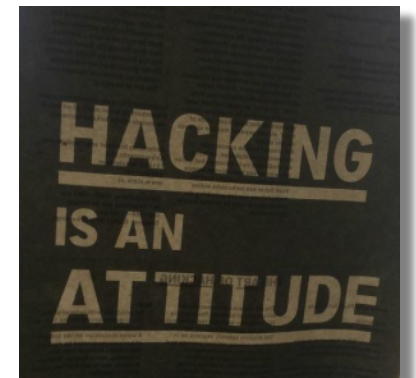
- All code on the [RIPE Atlas community GitHub](#)
- All the [photos](#)
- All the Hackathon [presentations](#)
- All of it together, in the RIPE Labs article:
- <https://labs.ripe.net/Members/becha/ripe-atlas-hackathon-results>



- Lessons learned: hackathons work!
- We will do it again - let us know if you are interested!
- Together, we need: workspace for 20 people, locations for dinner and socialising, some money for travel expenses for participants
- RIPE NCC will provide developers, help with logistics and organization, T-shirts



- Mailing list: ripe-atlas@ripe.net
- Blog: <https://labs.ripe.net/atlas>
- Twitter: [@RIPE_Atlas](https://twitter.com/RIPE_Atlas)
- Tickets: atlas@ripe.net
- Everything: <https://atlas.ripe.net>



Questions?

