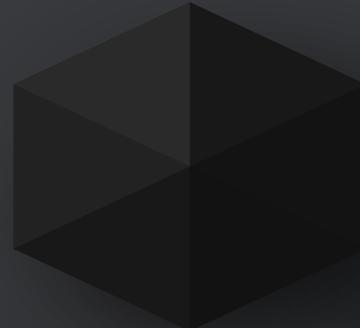




RIPE NCC
RIPE NETWORK COORDINATION CENTRE



RIPE NCC Hackathons: Webinar

Vesna Manojlovic

[\(Link to the video recording\)](#)

Webinar for PEQI hackathon | November 2019 | RIPE NCC

Starting with gratitude



- Big thanks to:
 - all the organisers from all six NODES! Delft, Sarajevo, Paris, Dublin, Padua, Geneva
 - organisers from RIPE NCC
- ... and of course ALL OF YOU: THE PARTICIPANTS!!!
- and to your families who and who are giving you support to prepare, work, travel & recover :)

The banner is organized into three horizontal sections:

- Nodes**: Logos for TU Delft, University of Sarajevo, CNRS, QUTech, EPFL Port, and Trinity College Dublin.
- Supporting organisations**: Logos for the European Union, QIAGEN, Sorbonne Université, Quantum Flagship, and RIPE NCC.
- Industry partners**: Logos for VeriQloud, gluonNet, and Quanto Nation.

Text at the bottom of the banner: "This project (QIAGEN) has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 820445."

What is a Hackathon?



- Hack-a-thon = hacking marathon

hacker: n.

[originally, someone who makes furniture with an axe]

1. A person who enjoys exploring the details of programmable systems and how to stretch their capabilities, as opposed to most users, who prefer to learn only the minimum necessary. RFC1392, the *Internet Users' Glossary*, usefully amplifies this as: A person who delights in having an intimate understanding of the internal workings of a system, computers and computer networks in particular.

- “Ours” are different from the “usual”; we are:
 - Producing & using FLOSS (free/libre open source software)
 - Cooperative, collaborative, non-competitive
 - Non-commercial: no monetary rewards

Goals for the Hackathons



- Bring together network operators, students, researchers, designers, coders, hackers...
- Combine creative skills
- Get feedback for the RIPE NCC
- Contribute useful tools for the community
- Make new connections
- Have fun!
- Documentation: labs.ripe.net/hackathons
- All [code on GitHub](#)



RIPE ATLAS HACKATHON:



MOST FUN I HAD AT RIPE SINCE CANALS FROZE

memes.com

Previous RIPE NCC Hackathons



- RIPE Atlas [DataViz](#) (March 2015, Amsterdam)
- RIPE Atlas [Tools for Operators](#) (October 2015, Bucharest)
- RIPE Atlas [Interfaces](#) (April 2016, Copenhagen)
- [IXP Tools](#) (October 2016, Madrid)
- IXP Tools [Code-Sprint](#) (April 2017, Amsterdam)
- [DNS Measurements](#) (April 2017, Amsterdam)
- Version6 (November 2017, Copenhagen)
- Network Operators Tools (June 2018, Dublin)
- [Quantum Internet Hackathon](#) (October 2018, Amsterdam)
- RPKI Deployathon (March 2019, Amsterdam)
- IoT Hackathon (October 2019, Rotterdam)



Pan European Quantum Internet Hackathon

Logistics



Goals for the PEQI hackathon



- Develop applications that use quantum mechanics to secure online communications
- Gain hands-on experience and exposure in developing Quantum Internet tools and services
- Collaborate, experiment and connect with people from diverse communities
- Have fun!
- For RIPE NCC: organise our first **distributed** hackathon: in multiple locations at the same time!

Logistics - Communication



- Global:
 - EtherPad & Slack & GitHub: <https://github.com/PEQI19>
 - <https://pad.riseup.net/p/PEQI19-keep>
 - <https://peqihackathon.slack.com>
 - Zoom Video Link: <https://zoom.us/j/7489902822>
 - Meeting ID 748-990-2822
- Locally:
 - WiFi: network name & password
 - Host's phone number : **nnnnnnn** in case of emergencies

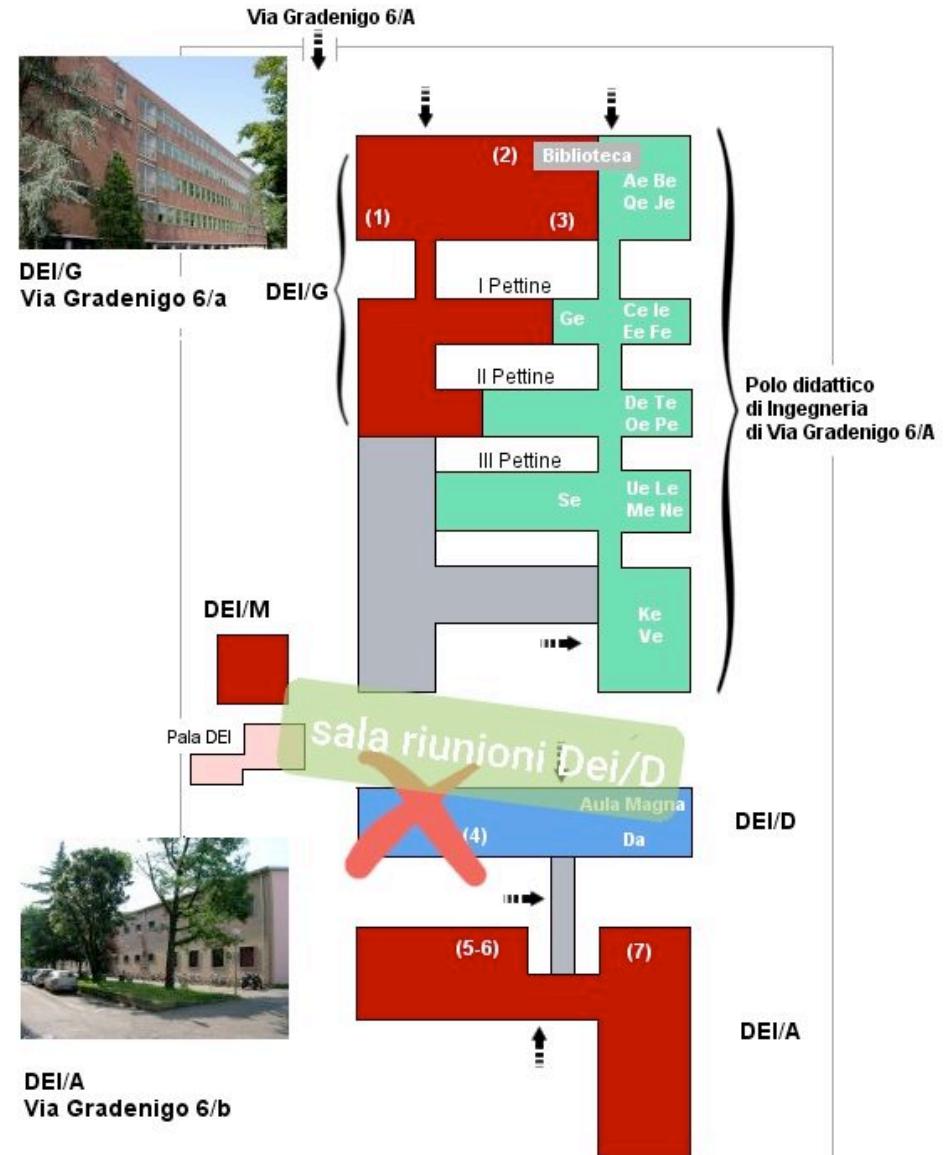
Logistics - Addresses per Location



- RIPE Labs announcement
- Paris: <http://veriqloud.com/hackathon/>
- Geneva: <https://indico.cern.ch/event/851369/>
- Dublin: <https://connectcentre.ie/news/connect-to-host-pan-european-quantum-internet-hackathon/>
- Delft: Lorentzweg 1, 2628CJ
- Sarajevo <http://www.tk.etf.unsa.ba/events/bosanski-pan-europski-hackathon-oblasti-kvantnog-interneta/?occurrence=2019-11-05>
- Padua: (next slide)

Padua / Padova

- Sala Riunioni DEI/D,
- 1° piano,
- Via Giovanni Gradenigo, 6
- Padova 35131 PD



Logistics - Agenda, Day One



- 8:30 Welcome, coffee, tea
- 9:00 Hackathon begins
 - People introductions; Challenges / projects are introduced
- 9:45 - 10:15 VIDEO LINK: Official pan-European kick-off
 - 10:15 – 11:00 tea break & mingling; teams are formed
- 11:00-13:00 Working on projects
- 13:00-14:00 Lunch
- 14:00-17:30 Working on projects
 - 17:30 - 18:00 VIDEO LINK: Update on one chosen project per node
- 18:00 – 19:00 Dinner + T-shirts
- 19:00 – 22:00 (optional) Further work on projects



14

Logistics - Agenda, Day Two



- 09:00-13:00 Working on projects
- 13:00-14:00 Lunch
- 14:00-16:00 FINISHING Work on projects (preparing presentations)
- 16:00-16:30 preparing the room for the final presentations; tea break
- 16:30 - 17:00 Team presentations
 - & Jurors in each node pick one project to share
- 17:15-17:45 VIDEO LINK: The chosen projects from each node presented to all
 - 17:45: Facilitators/ Jurors from across nodes share highlights
- 17:45-18:30: Winding down
- 18:30-19:00 Giving praise & feedback to teams, thanks, and next steps!
- 19:00 Party! (Optional)

Logistics - Documents Store



- <https://github.com/PEQI19>

- Lists of participants
 - global & per node
- How Hackathons Work
- Webinar Slides & Recording
- Technical Details
- Challenges

Logistics - food & drinks



- Snacks, tea/coffee, soft-drinks provided all day in the room
- Lunch = Sandwiches, Soup, Salad
- Dinner on Tuesday: 6PM
 - **addressor the venue**
- Wednesday = Snacks, drinks, stroopwafels, lunch...
 - 7PM: dinner & party
 - **address of the venue**

Powered by Stroopwafels!



Logistic - goals and process



- Goal: working prototype for your project
- Form teams of 3-6 people
 - take one of the available desks
 - plan your work on the project; consider available time!
 - divide the tasks into modules that can be parallelised
- Review/standup: Tuesday 17:30PM
- Upload code to GitHub (or other public repo)
- Prepare final presentation / demo
 - not longer then 5 minutes! starting at 16:30PM Wednesday!

Reminder..



- Choose interdisciplinary team members
- Choose a **name** for the team and/or project
- Choose one (or more) spokesperson(s)
 - for the standup / review, for the final presentation
- Keep our space clean!
 - combining food, drinks & hacking is at own risk :)



Vesna Manojlovic | November 2018

Best Behaviour



- Cooperation & Team-Work
 - form the team of most diverse people possible
 - get to know each other; be constructive; cooperate
 - the goal is to contribute, not to compete nor to win
- Code of Conduct
 - be tolerant & respectful; encourage exchange of ideas
 - do NOT be demeaning, intimidating or harming
 - if you feel hurt or offended, speak to organisers
 - respect wishes for privacy while taking photos (**GDPR!**)

Continuity is a Challenge

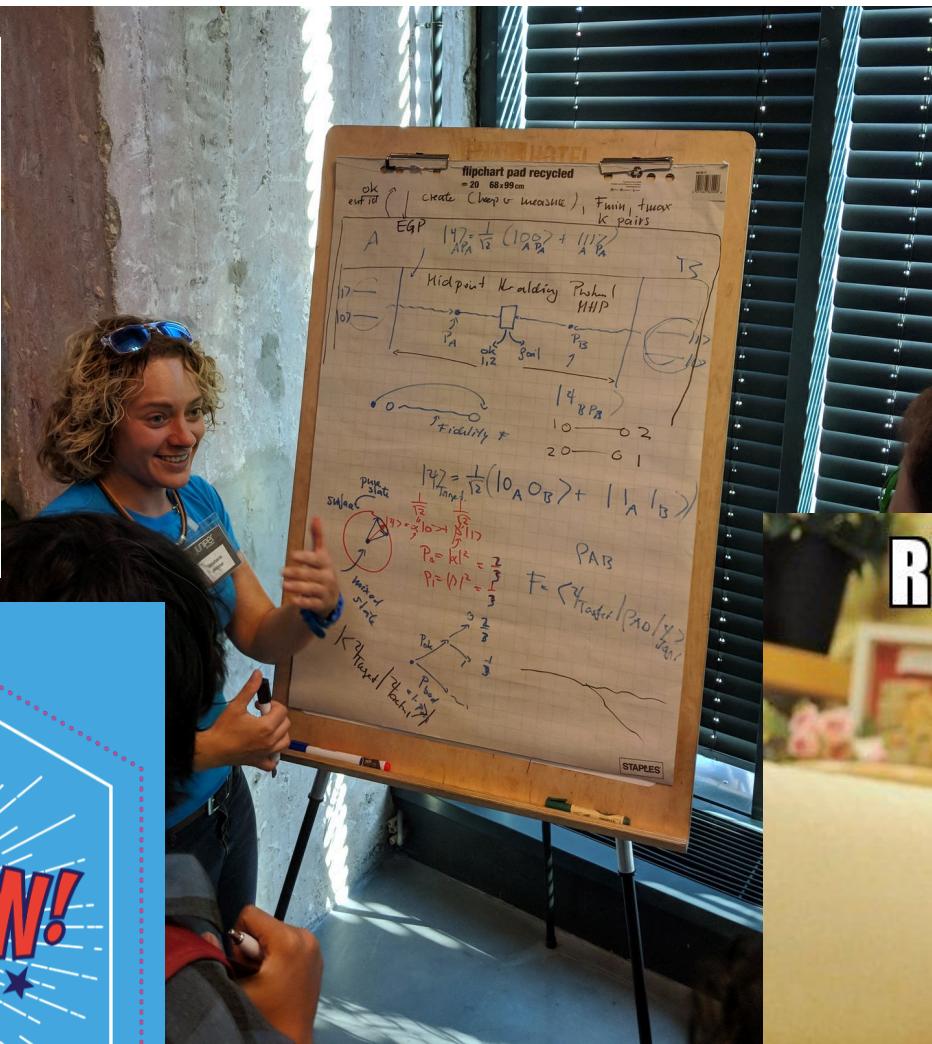


- Previous "RIPE NCC Quantum Internet Hackathon 2018" on GitHub
- Participants* can subscribe to the mailing list
 - hackathon-list@lists.ripe.net
- Community (and RIPE NCC) can
 - contribute further code improvements on GitHub
- You can keep informed on RIPE Labs: Hackathons Reports
 - labs.ripe.net/hackathons / [Calendar](#)
 - e.g. IETF hackathons: 16-17.11.2019/Singapore; 2020: March/Vancouver, July/Madrid
- Contact: BECHA@ripe.net , mir@ripe.net, labs@ripe.net

Upcoming RIPE NCC Events



- Supporting newcomers through:
 - Academic Cooperation: ripe.net/raci
 - Fellowship programme: ripe.net/fellowship
 - Diversity tickets (depending on sponsors)
- SEE 9/RIPE NCC Regional Meeting: Ljubljana, 7-8 April 2020
 - Call for Presentations is open! <https://www.ripe.net/see-9/call-for-presentations/>
- RIPE 80: Berlin, 11-15 May 2020 <https://ripe80.ripe.net/>
- RIPE 81: Milan, 28 September - 2 October 2020



RIPE NCC HACKATHONS

