RIPE NCC Update

Hans Petter Holen
Managing Director

Hans Petter Holen | RIPE NCC Services WG | 18 May 2022

Mission

- As an authority on unique Internet number resources, we enable people to operate and develop the Internet

- As the secretariat for the RIPE community, we are a trusted steward of the open, inclusive, collaborative Internet model, engaging with and connecting people and communities

- As a neutral source of information and knowledge, we actively contribute to the stability and evolution of the Internet

2021 Annual Report and 2021 Financial Report

- Our 2021 Annual Report and 2021 Financial Report are now online:

  - ripe.net/Annual-Report-and-Financial-Report-2021-Published

- Highlights include:

  - Stats on Internet number resource allocations and transfers

  - Updates on RIPE NCC services

  - An overview of our public policy consultations

  - Tracking our commitments from the 2021 Activity Plan and Budget

What we've been working on

Responses to War in Ukraine (1)

- RIPE NCC Executive Board Resolution on Provision of Critical Services

  - "…the means to communicate should not be affected by domestic political disputes, international conflicts or war."

  - https://www.ripe.net/publications/news/announcements/ripe-ncc-executive-board-resolution-on-provision-of-critical-services

- Response to request from Ukrainian Government to deregister Russian IP addresses

  - "[…] unlikely to have immediate impact on interconnection or traffic in Russia, but it could have unpredictable consequences in terms of harming the global coordination that is necessary for stable Internet operations."

  - https://www.ripe.net/publications/news/announcements/ripe-ncc-response-to-request-from-ukrainian-government

Responses to War in Ukraine (2)

- Informed Ukrainian and Russian members that they do not risk closure if they cannot pay their invoices on time

- An Open Internet Remains the Goal

  - "The RIPE NCC has spent the past 30 years working to support a stable Internet […] we cannot take or support any measures that risk undermining the Internet's technical foundations"

  - https://labs.ripe.net/author/hans_petter_holen/an-open-internet-remains-the-goal/

- Tracking all developments relating to Ukraine and Russia on a dedicated page on our website:

  - https://www.ripe.net/participate/member-support/the-ripe-ncc-and-ukraine-russia/

Analyses of Internet in Ukraine and Russia

- Our research team, led by Emile Aben, has been studying the impact of the invasion on Ukrainian and Russian Internet

  - The Ukrainian Internet
    https://labs.ripe.net/author/emileaben/the-ukrainian-internet/

  - The Resilience of the Internet in Ukraine
    https://labs.ripe.net/author/emileaben/the-resilience-of-the-internet-in-ukraine/

  - How is Russia Connected to the Wider Internet?
    https://labs.ripe.net/author/emileaben/how-is-russia-connected-to-the-wider-internet/

- TL;DR: Internet has remained fairly stable in both countries so far

Investigating our Corporate Structure

- National or regional legislation in our service region increasingly has the potential to affect our operations

- Mitigation of the risk of disproportionate orders by law enforcement authorities from a single jurisdiction

- Have been investigating changes to our corporate structure to mitigate these risks

- Recent changes in geopolitics and legislation have been fast and unpredictable

- Will engage with the RIPE community when we have made progress with this work

Hans Petter Holen I RIPE NCC Services WG I 18 May 2022

Registry

- Number of transfer tickets has declined when compared to last year

- Number of new LIR applications has declined after a peak around November last year

- Workload remains high due to sanctions compliance

- Number of LIRs on IPv4 Waiting List currently at 827

  - https://www.ripe.net/manage-ips-and-asns/ipv4/ipv4-waiting-list

Sanctions Compliance

- Represents a significant increase in our workload

- Fresh sanctions against Russia are being issued regularly

- All potential cases treated as if they are sanctioned until our staff have conducted an investigation

- Recently published an update on RIPE Labs: https://labs.ripe.net/author/athina/eu-sanctions-and-our-russian-membership/

- Our newest quarterly sanctions transparency report: https://www.ripe.net/publications/docs/ripe-780/

2022 Invoicing

- Difficulties with our bank when invoicing members in Syria and Iran

- We have withheld invoicing members in these countries until we are certain their payments can be accepted

- We have also told Ukrainian and Russian members that they will not be closed if they cannot pay their invoices on time

- Though we might delay invoicing or grant extensions, all members have the same payment obligations and must eventually pay the full amount
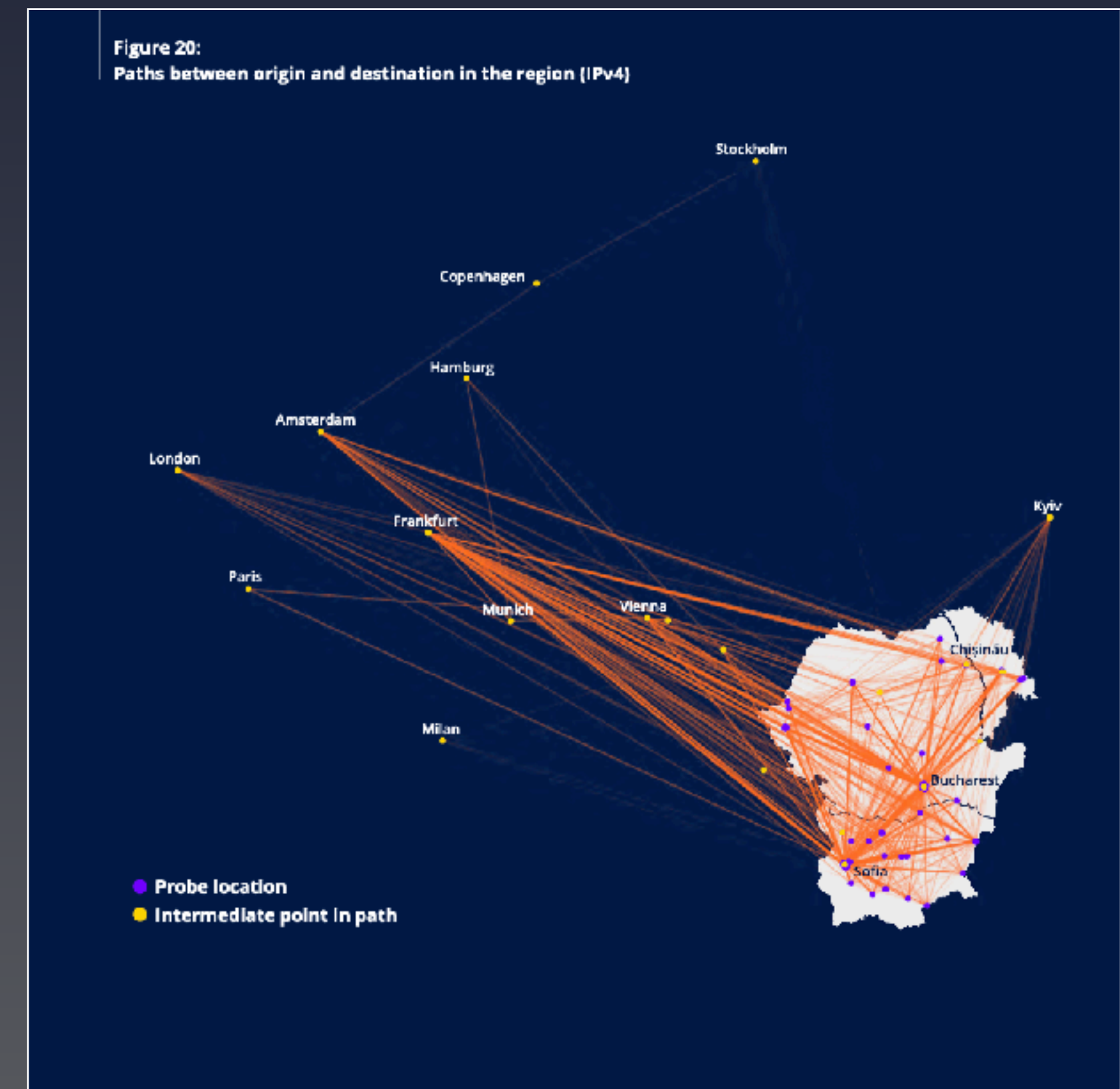
BGPlay Update
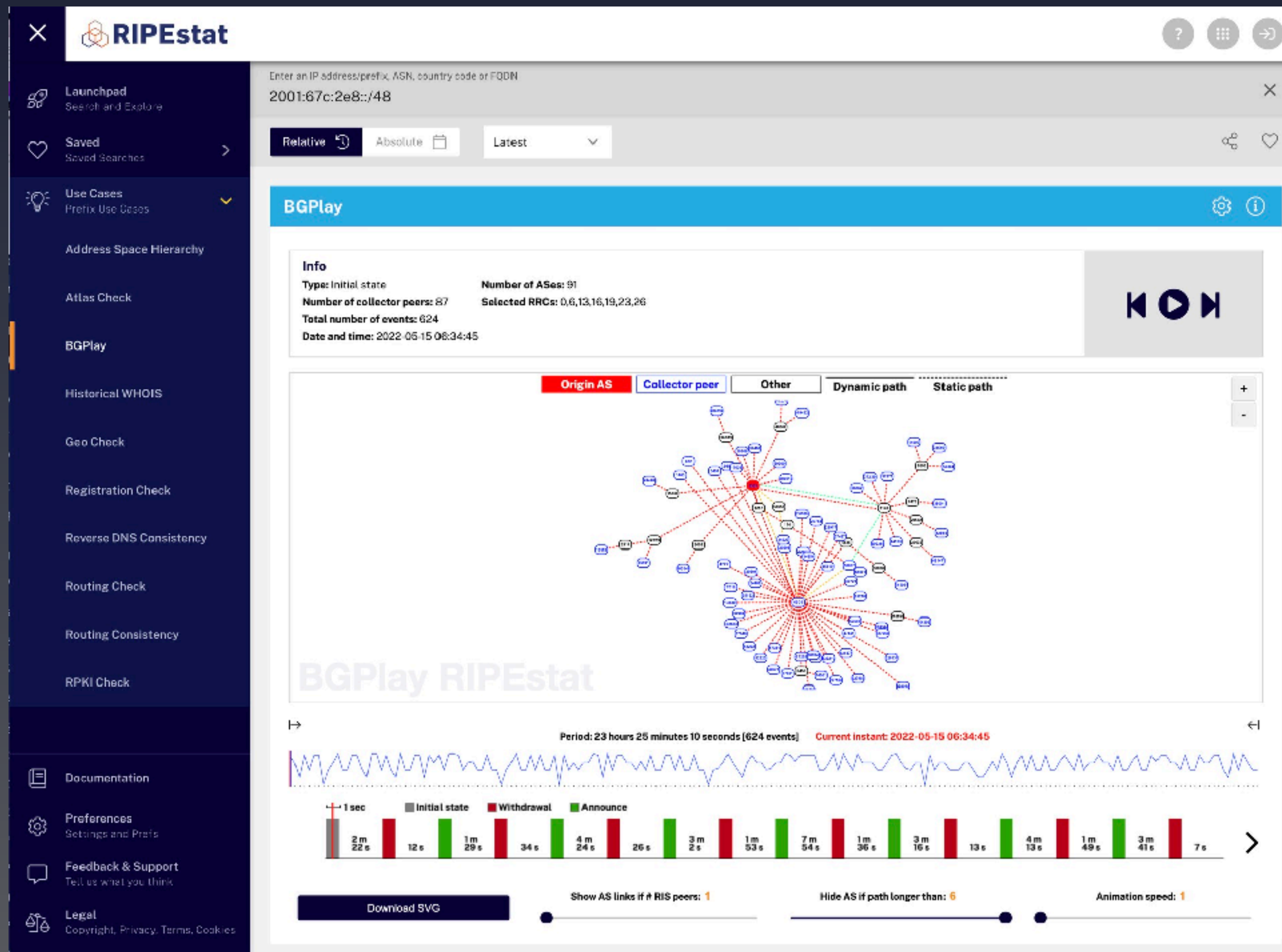
- Now integrated within the new RIPEstat UI

- Simpler and clearer interface

- Better organisation of options

- Options saved across sessions so you don't have to pick them every time

# Internet Country Report: Bulgaria, Moldova and Romania

- Key findings:
  - All three countries have healthy market competition and high-speed, low-cost Internet access

  - Romania is the biggest exporter of IPv4 addresses in our service region

  - Despite their large amount of IPv6, Bulgaria and Moldova have low IPv6 capability rates

  - Good amount of interconnection and diverse array of upstream providers in all three countries

- https://labs.ripe.net/author/suzanne_taylor_muzzin/ripe-ncc-internet-country-report-bulgaria-moldova-and-romania/

Figure 20:
Paths between origin and destination in the region (IPv4)

● Probe location
● Intermediate point in path

# Internet Country Report: IPv6 in Sweden

- Key findings:

  - Sweden has an unusually large amount of IPv4 for its population, which likely contributes to its low IPv6 deployment rate

  - The country's top Internet service providers vary greatly in terms of IPv6 capability, yet even the top IPv6 provider lags behind the world average

  - There is a good level of interconnectivity between Sweden's networks, over both IPv4 and IPv6, resulting in healthy redundancy

  - Domestic traffic paths tend to stay local over IPv6, and slightly less so over IPv4

- https://labs.ripe.net/author/suzanne_taylor_muzzin/a-special-ripe-ncc-country-report-ipv6-in-sweden/
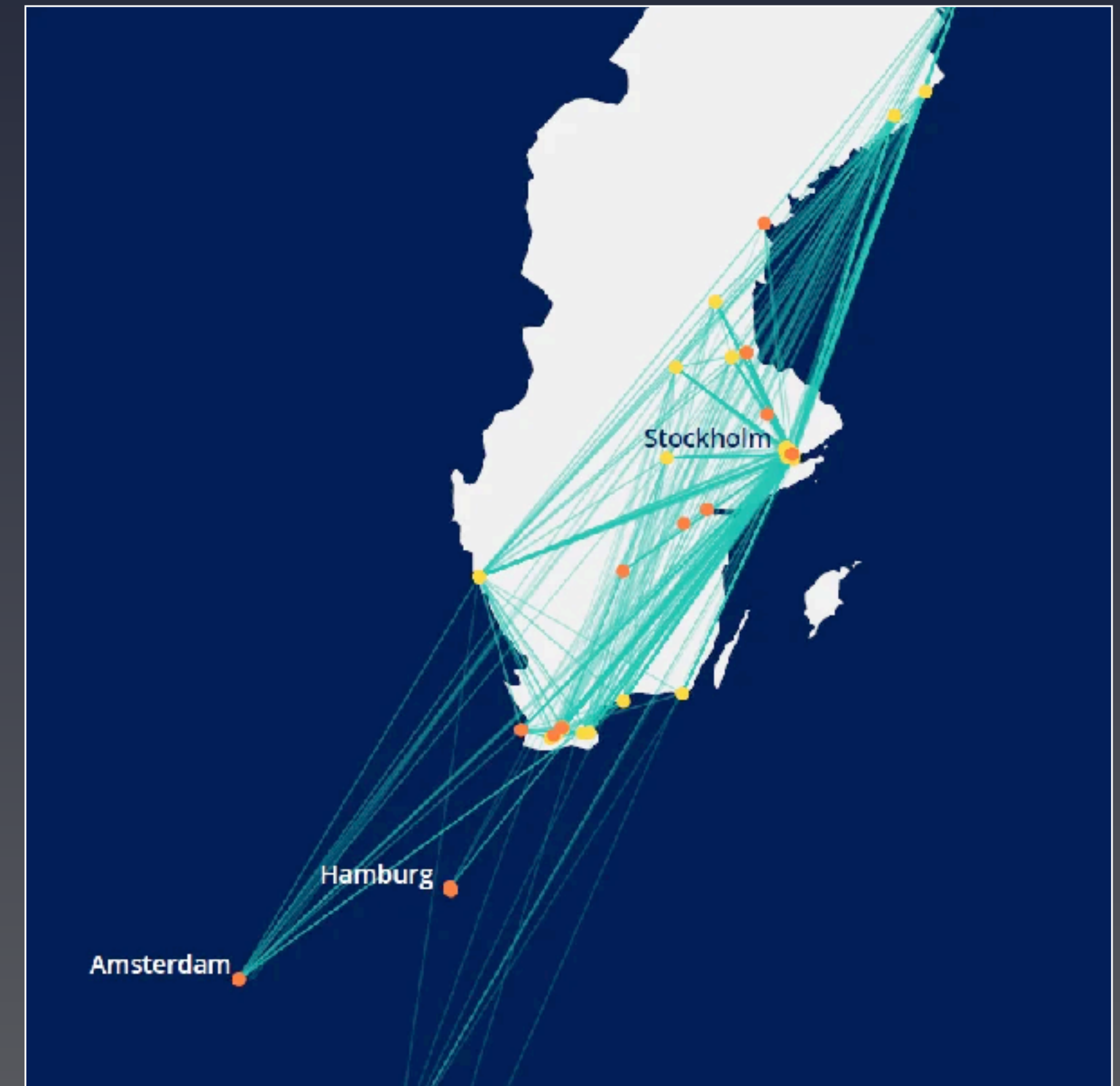
Learning and Certification

- Face-to-face courses are back!

  - We will continue with e-learning and webinars

- We have a new exam and e-learning course in the making: BGP Security

  - You can already pre-register to get updates

- We've set up pilot partnerships with the Dutch government and DDC in Iraq to combine IPv6 training and certification

- And you can get certified at RIPE 84

  - https://ripe84.ripe.net/programme/parallel-events/certified-professionals/
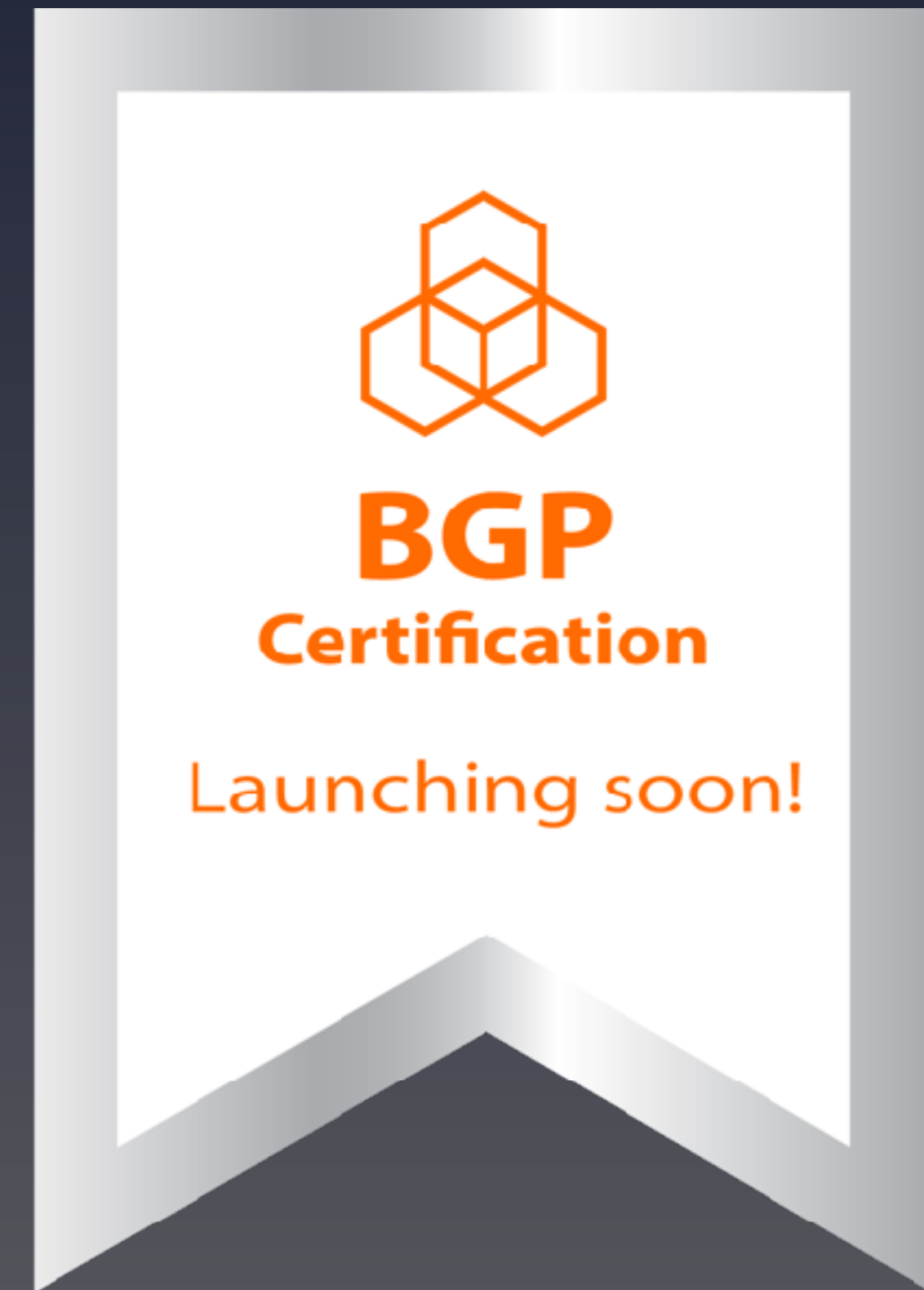
RIPE Labs

- Sharing ideas and perspectives from RIPE NCC staff and the wider community

- The winner of the first RIPE Labs article competition has been announced: Pavlos Sermpezis

  - Our winner and both runners-up, Stéphane Bortzmeyer and Christer Weinigel, are here at RIPE 84

- The RIPE Labs podcast is live
  https://labs.ripe.net/

The RIPE Labs Article Competition

Community Projects Fund

- The RIPE NCC has a fund of €250,000 each year to support projects that work for the "Good of the Internet"

- Our next call for applications: mid- to late June

- https://www.ripe.net/support/cpf

- We are also looking for volunteers to join the CPF Selection Committee: apply by 27 May

Interested in working with us?

- The RIPE NCC has a number of vacancies:

  - Internet Resource Analyst

  - System Engineer - DevOps

  - Software Engineer

  - Administrative Assistant

- Join our dynamic, international team working for the good of the Internet

  - https://www.ripe.net/about-us/staff/careers-at-the-ripe-ncc

Management Team

Hans Petter Holen,
Managing Director

Felipe Victolla Silveira,
Chief Operations Officer

Kaveh Ranjbar,
Chief Information Officer

Hisham Ibrahim,
Chief Community Officer

Eleonora Petridou,
Chief Information
Security Officer

Daniella Coutinho,
Executive Assistant

Regina Serrão,
Facilities Manager

Simon-Jan Haytink,
Finance Manager

Carolien Vos,
HR Director
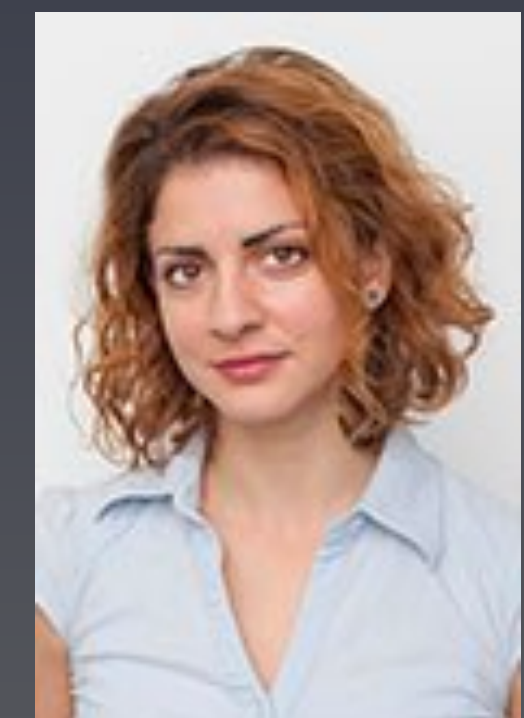
Athina Fragkouli,
Chief Legal Officer

Once Upon a RIPE Meeting

RIPE 1

The minutes of RIPE 1 begin with:

The demand for IP connections in Europe is growing rapidly…

Travelling back in time to the RIPE NCC in 1993

Tuesday, July 10, 2012

Photo courtesy of Peter Lothberg

And in 1994

Many RIPE Meetings ago...

Here we are in 1996

Photo courtesy of Peter Lothberg

And with more staff in 1997
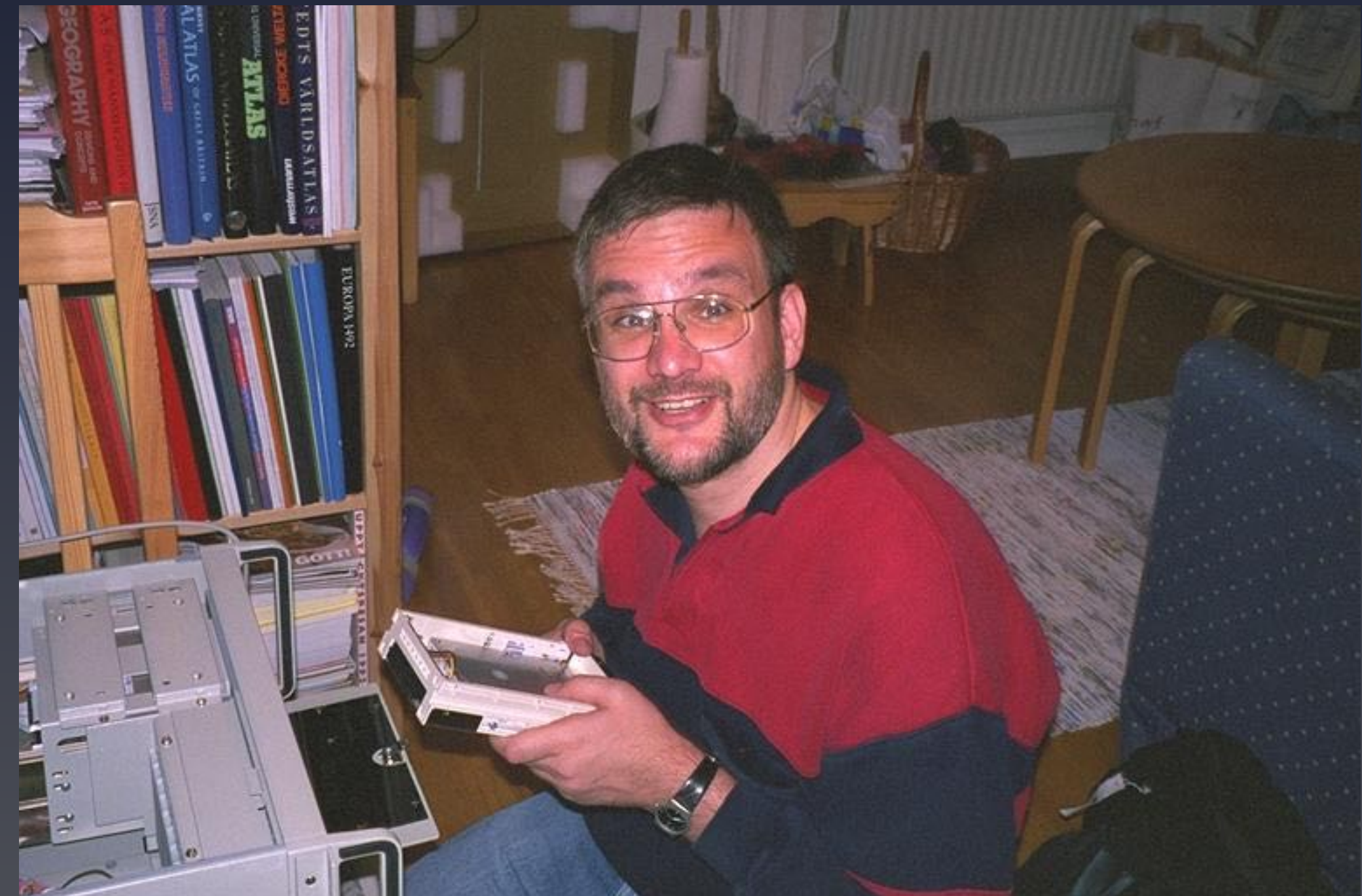
To conclude

Thank you for everything!

Photo courtesy of Peter Lothberg

We hope that
"It is still fun!"

Questions ?

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