

# The RIPE NCC's View of IPv6 in Sweden

### RIPE NCC



- One of five Regional Internet Registries in the world
- Also provide a number of technical services and tools:
  - K-root
  - RIPE Atlas
  - RIPEstat
  - RIS
- Involved in public policy discussions and Internet governance

# RIPE NCC Internet Country Reports



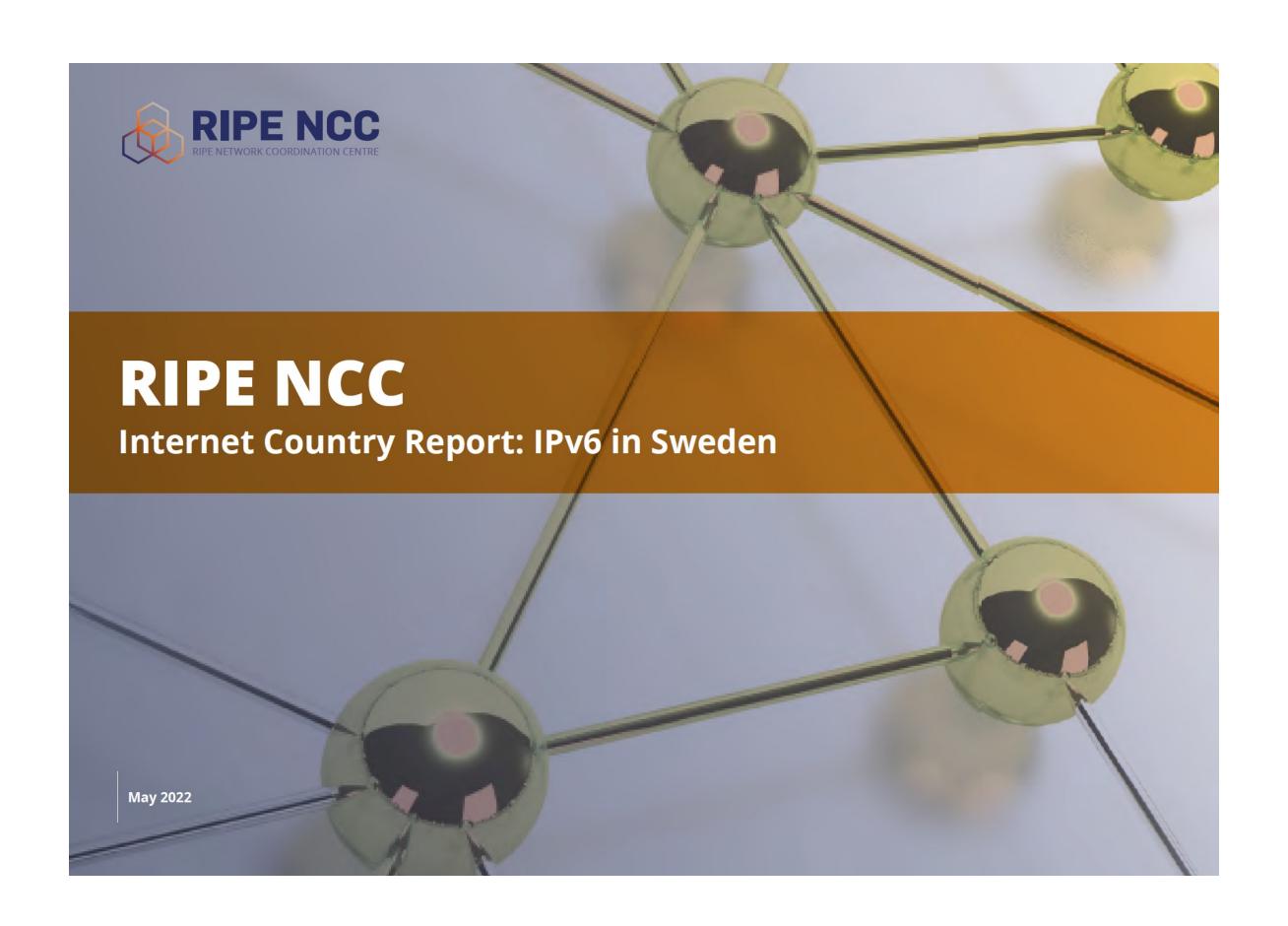
- Showcase RIPE NCC data and measurement platforms
- Bring value to local technical communities
- Support Internet development throughout service region
- Inform public policymaking

## RIPE NCC Internet Country Report



 IPv6 in Sweden report just published https://labs.ripe.net/country-reports/

 Shorter, more focused version of our country reports

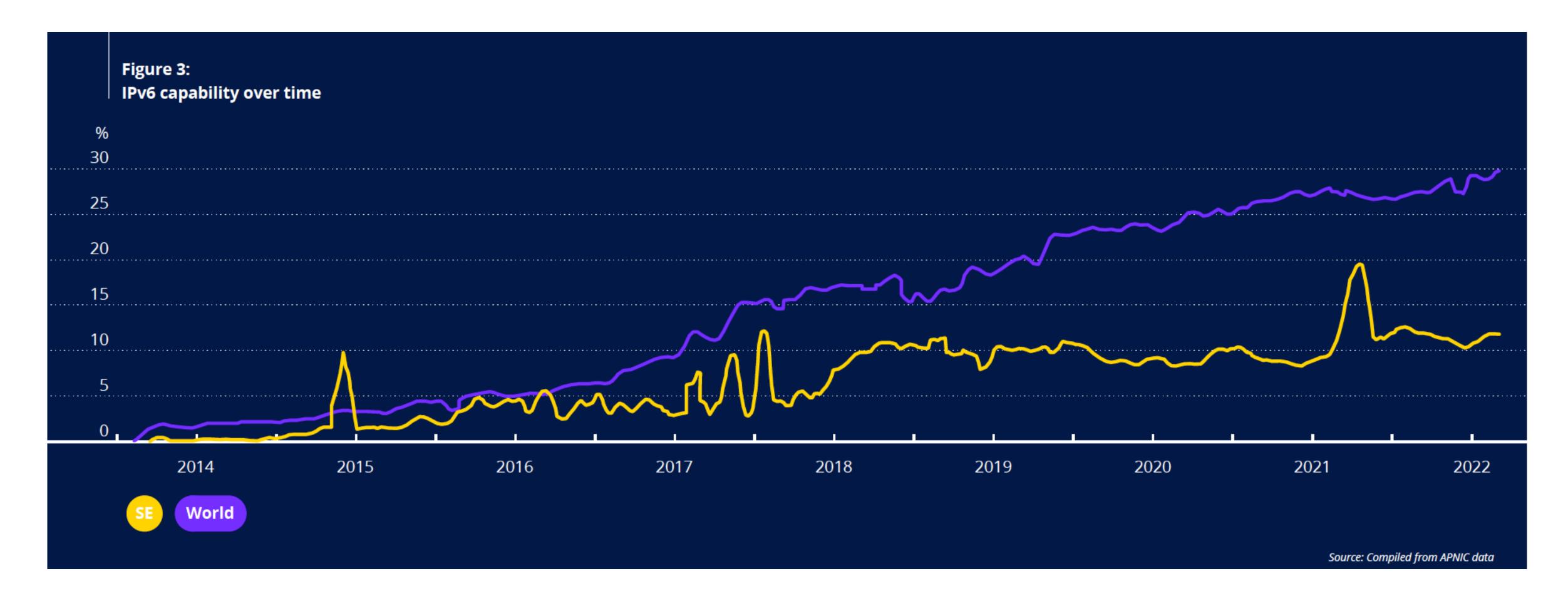


## Highlights

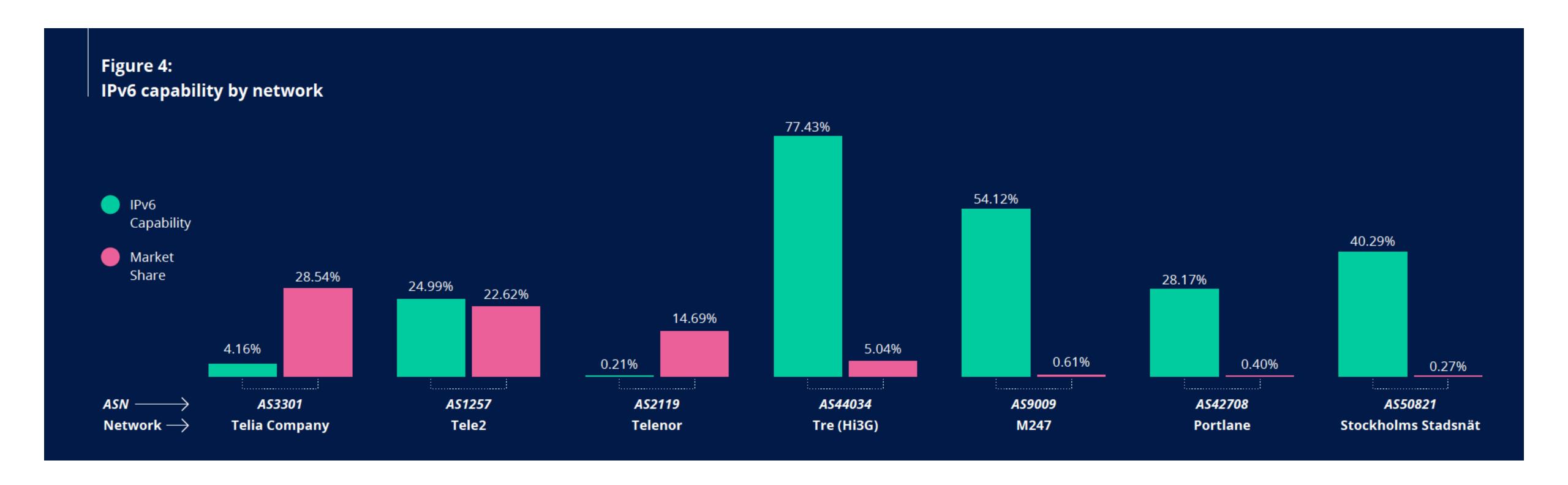


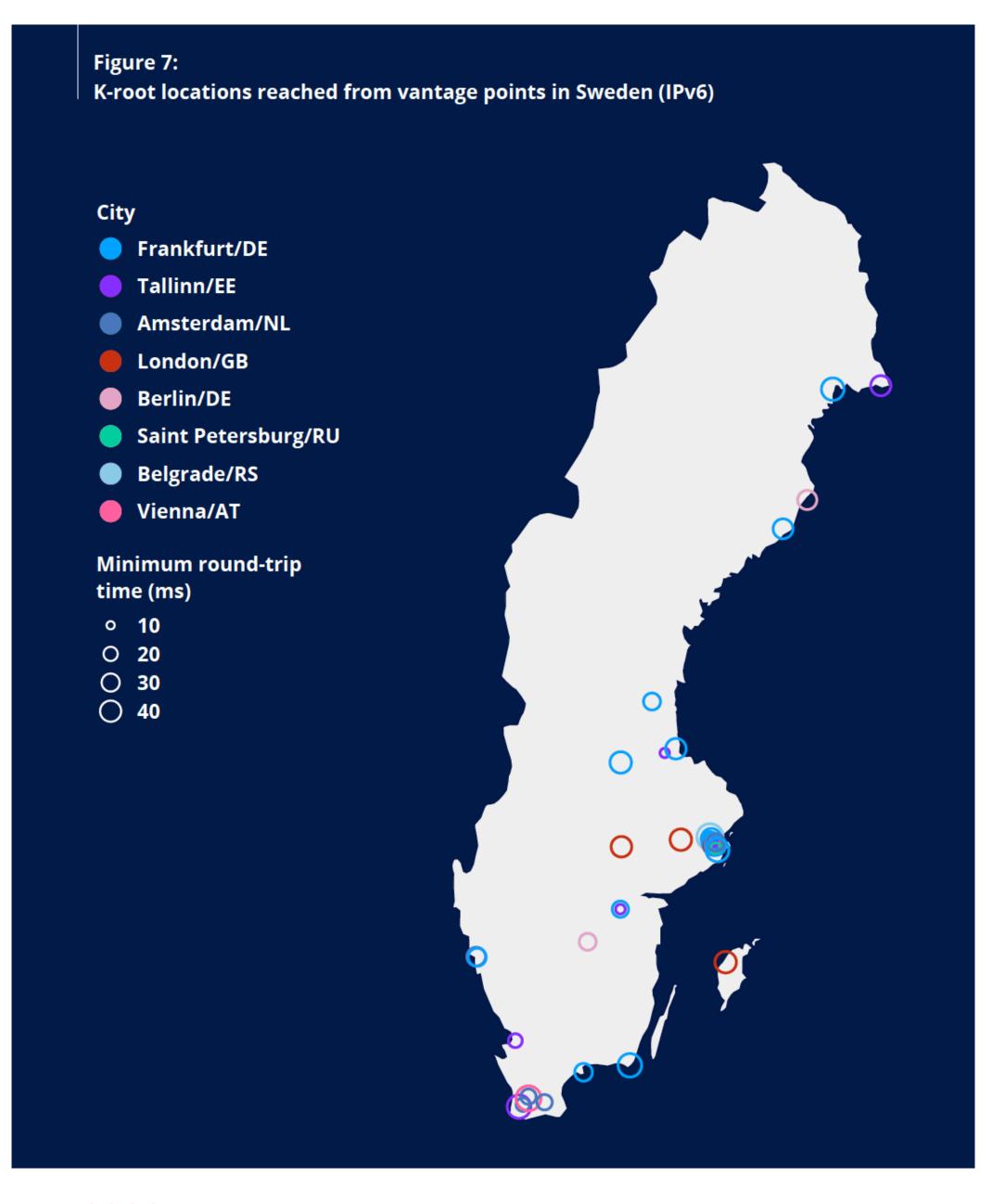
- Sweden has an unusually large amount of IPv4
- IPv6 capability is quite low compared to Europe and rest of world
- Interconnectivity is robust over IPv6 and IPv4
- Domestic traffic tends to stay local over IPv6; less so over IPv4



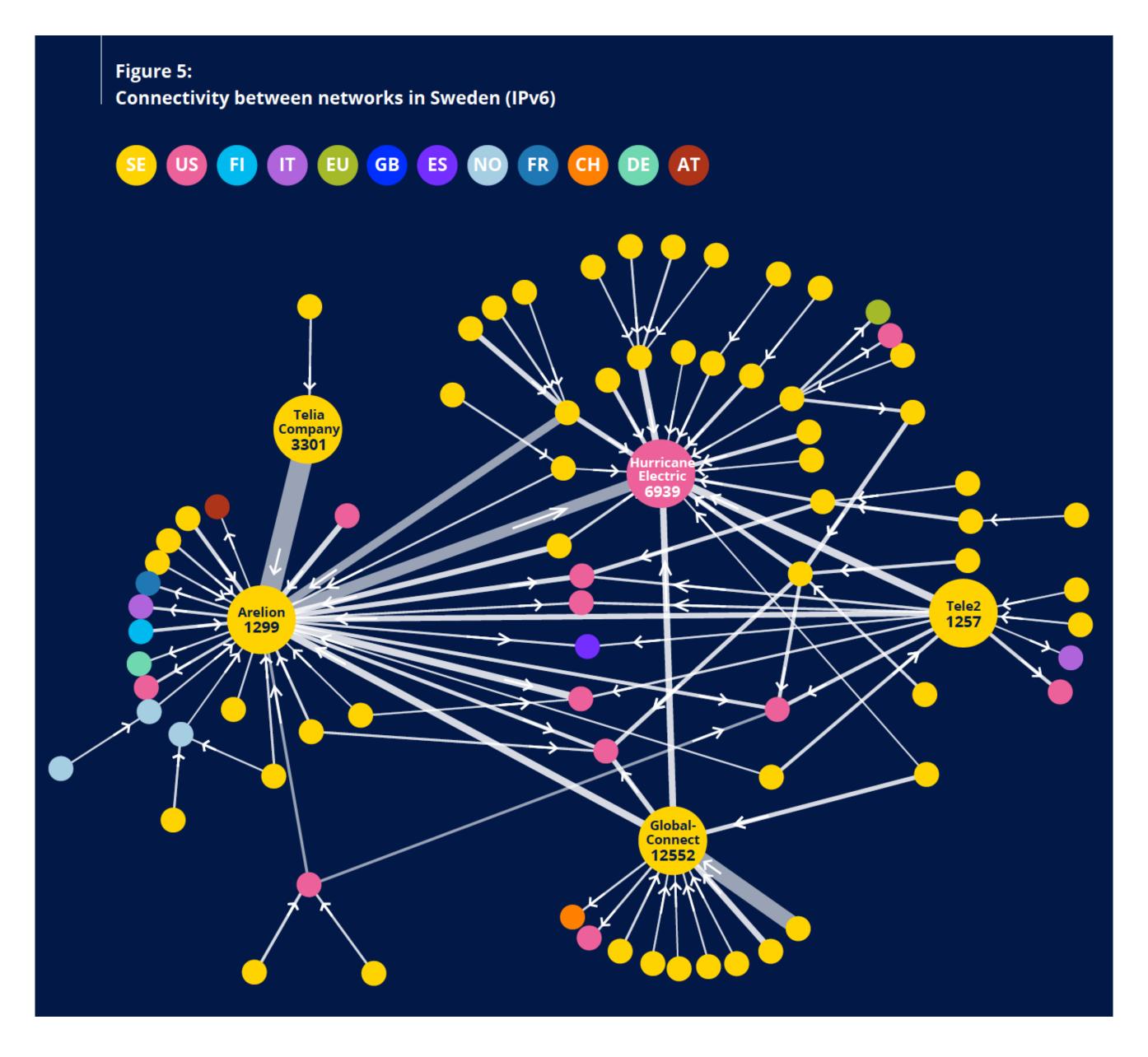


















#### The need for IPv6



- IPv6 is needed for future growth
  - IPv4 run-out and cost on the secondary market
  - Emerging technology like 5G, IoT, smart cities...
  - Healthy market competition
- Governments, regulators, ISPs, IXPs, NOGs all have a role
- "Stimulate where you can; regulate where you must"

### A few parting thoughts...



- Please share the report if it's interesting
- These reports are always evolving tell us what you want!
- This data is available to use

https://labs.ripe.net

### RIPE NCC training



- The RIPE NCC offers online IPv6 training:
  - Two RIPE NCC Academy courses on IPv6
  - Eight webinars on IPv6
  - RIPE NCC::Educa event on IPv6
- And in-person training:
  - Three IPv6 training courses

https://www.ripe.net/support/training

### RIPE NCC training



#### RIPE NCC Certified Professionals

- Online certification program
- Includes live webinars with RIPE NCC trainers, access to online learning material, and certification after passing the exam

#### Pilot program for government

- Specifically caters to government staff
- Goal is to support the transition to IPv6
- First test run underway with Dutch government

#### Other resources



#### RIPE Meetings:

- IPv6 Working Group
- Many past presentations on IPv6

#### • A few articles:

- The Irrationality of Deploying IPv6
   https://circleid.com/posts/20210803-the-irrationality-of-deploying-ipv6
- Should Europe mandate IPv6 to accelerate adoption? <a href="https://www.itproportal.com/features/should-europe-mandate-ipv6-to-accelerate-adoption/">https://www.itproportal.com/features/should-europe-mandate-ipv6-to-accelerate-adoption/</a>
- Another year of the transition to IPv6 <a href="https://blog.apnic.net/2022/02/21/another-year-of-the-transition-to-ipv6/">https://blog.apnic.net/2022/02/21/another-year-of-the-transition-to-ipv6/</a>



# Questions



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