



RIPE NCC

RIPE NETWORK COORDINATION CENTRE

IPv6 in Luxembourg

An overview and comparison with the neighbours

IPv6 in the World



- **~25% of global traffic**
- **Seven countries with more than 30% traffic**
 - Luxembourg included!
- **14 countries with more than 20% traffic**

Neighbouring countries



- **Belgium leading**
- **Germany following**
- **France and Netherlands “getting there”**



IPv6 in BGP



- **36 allocations announced, 43 not announced**
 - 12 ASNs announcing more specifics only
- **44 ASNs announcing 68 prefixes**
- **Continuous growth over the last years**
- **stat.ripe.net**

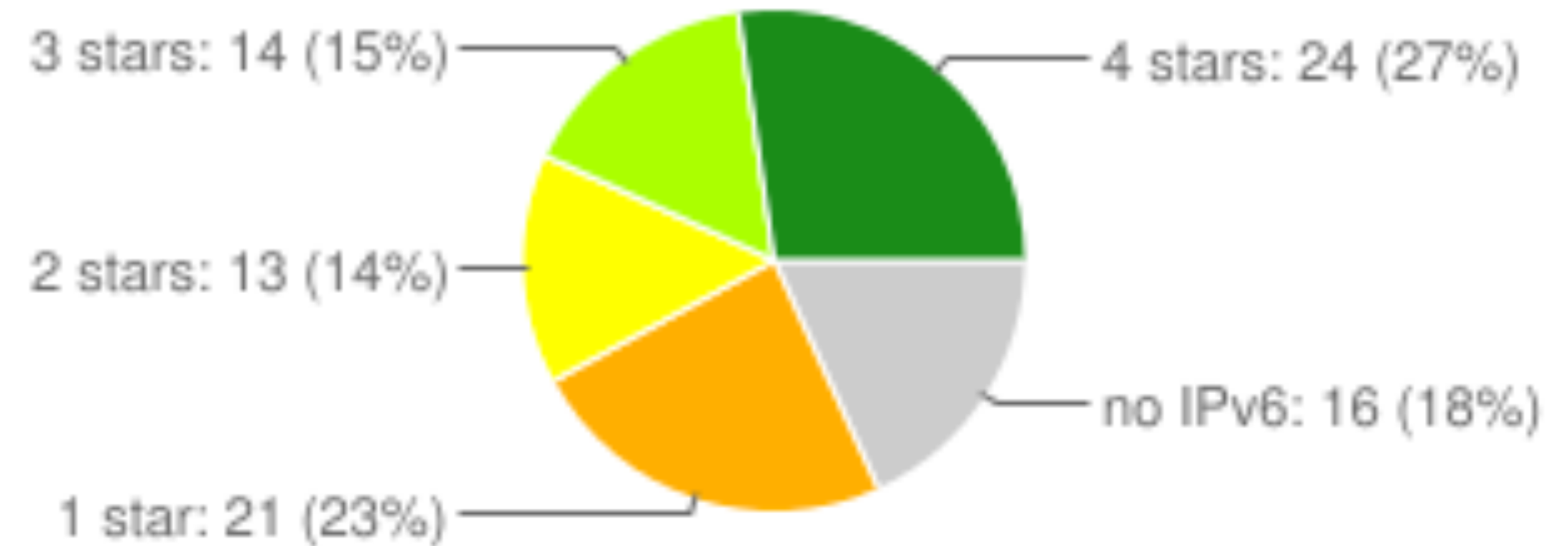
IPv6 RIPEness



- **18% of LIRs with no IPv6**
- **27% with four stars**

ipv6ripeness.ripe.net

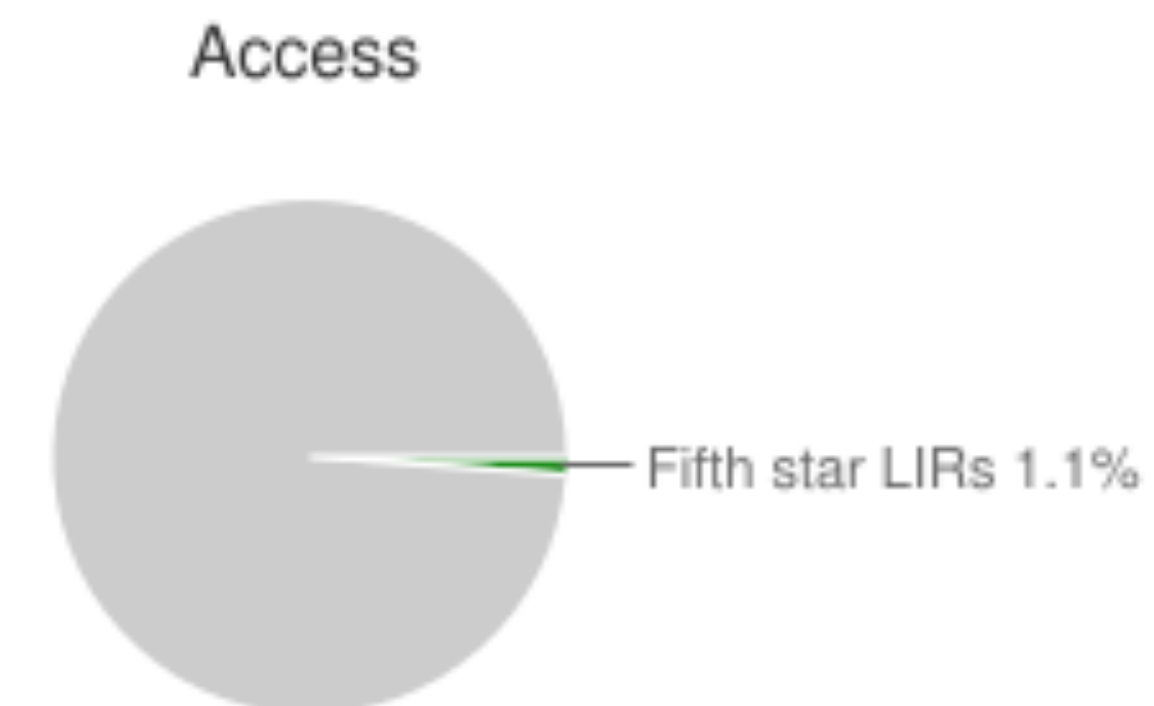
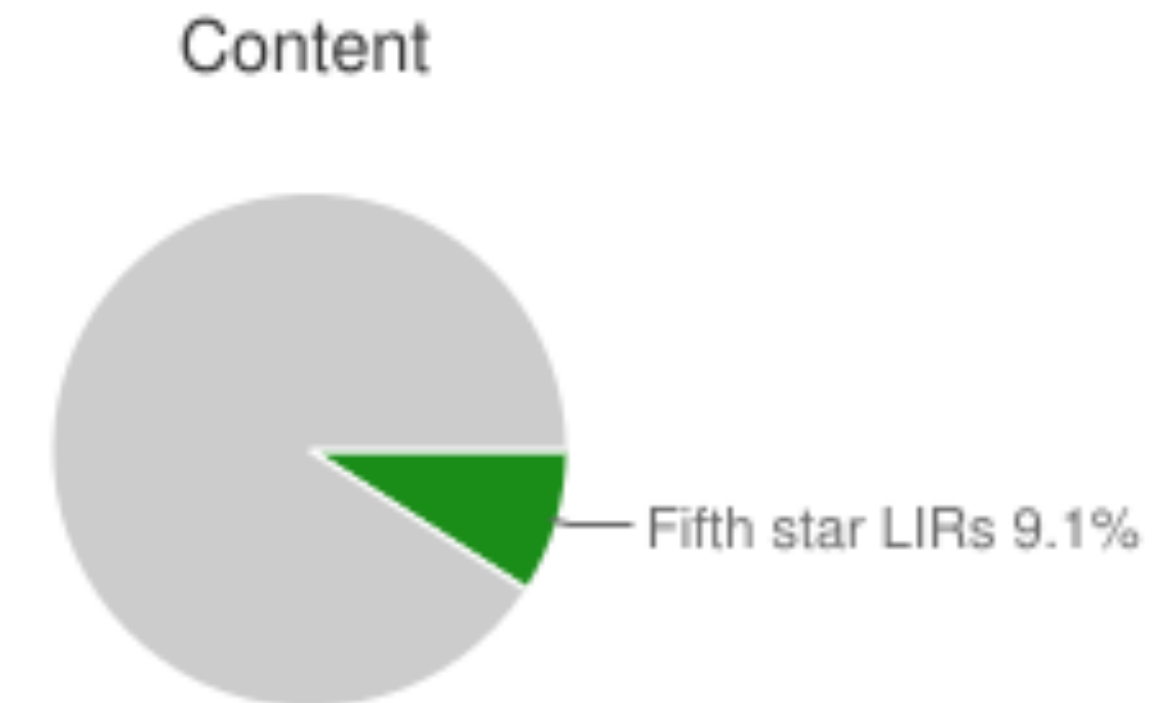
Luxembourg (88 LIRs)



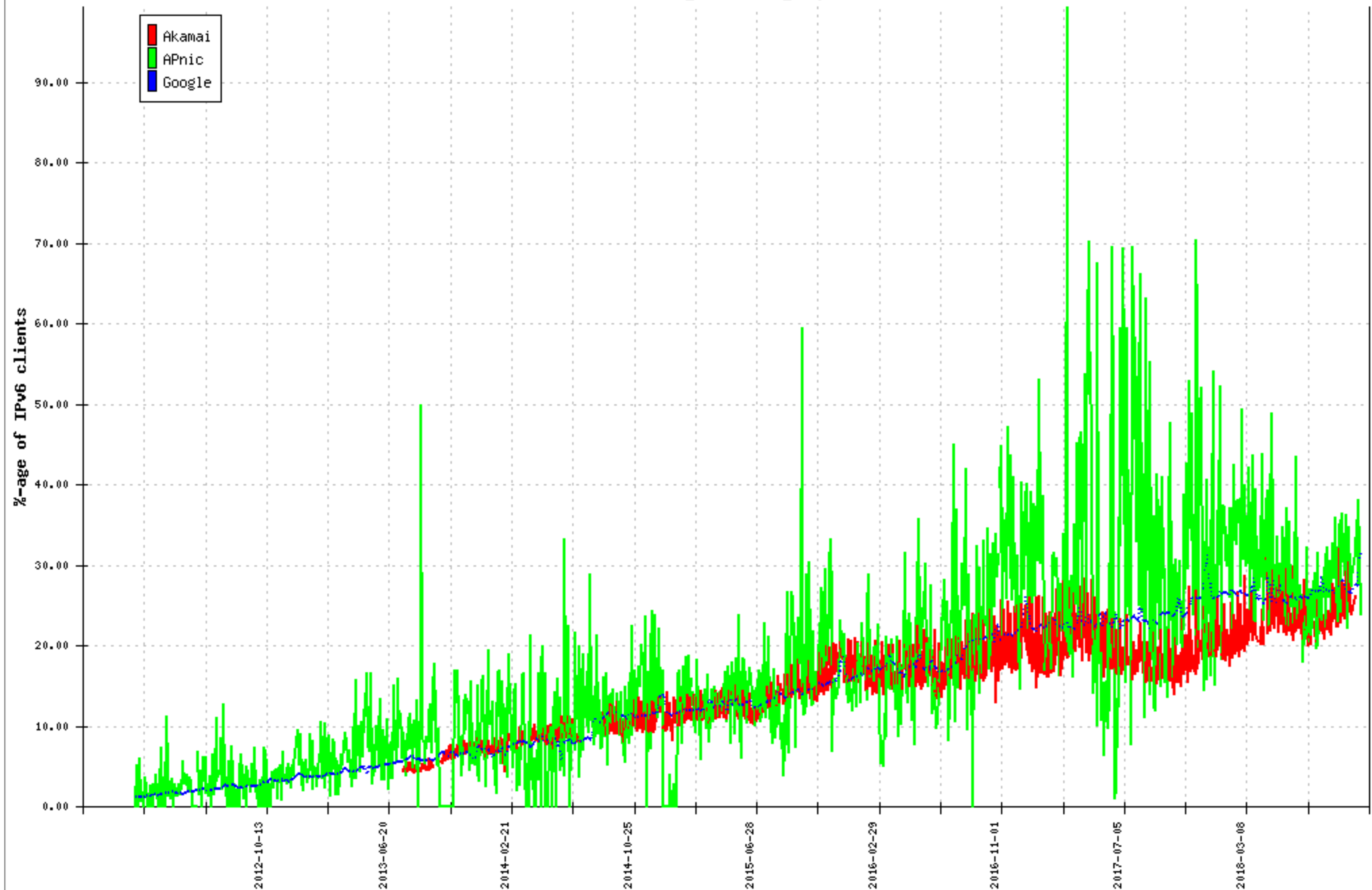
Fifth Star



- **LIRs with > 50% of traffic over IPv6**
- **As seen from the content and the access side**
- **9.1% and 1.1% of LIRs**



IPv6 Penetration in Luxembourg as measured by Akamai, APnic and Google
(2018-11-07) www.vyncke.org/ipv6status



Resources from the RIPE NCC



- **Training Courses**

- Basic IPv6, Advanced IPv6

- **RIPE NCC Academy**

- LIR Course, RIPE Database, Basic IPv6

- **Webinars**

ripe.net/training

RIPE Documents



- **RIPE-554 (Requirements for IPv6 in equipment)**
- **RIPE-631 (Troubleshooting for IPv6 help desks)**
- **RIPE-690 (Prefix Assignment BCP)**
- **Preparing an Address Plan Document**



Questions



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