

RIPE

IPv6 at RCTS (AS1930)

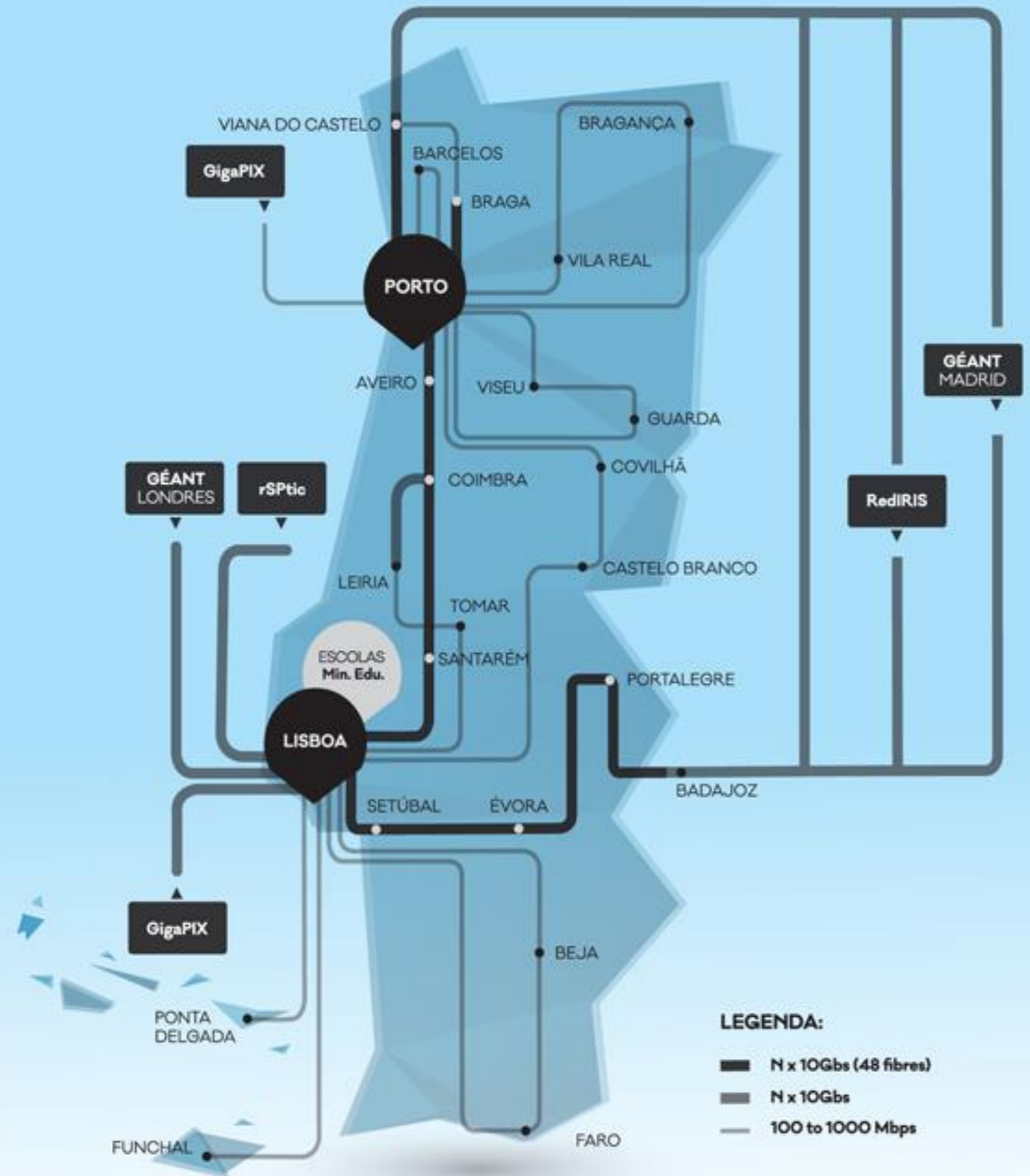
IPv6 Working Group
RIPE73 Madrid



RCTS

- Stands for «Science, Technology and Society Network» a.k.a. the NREN
 - Before: “RCCN – National Scientific Community’s Network”
- Operated by FCT, I.P.’s FCCN Unit.
- From 10Mbps to 10Gbps
- Advanced Connectivity Services





IPv6 @ RCTS

- Native IPv6 since 2003
 - Tests since 1999
 - Production address block obtained in 2000
- Also serving MCTES and MIN-EDU
- Very stable international IPv6 connectivity
- Hosting Google and Akamai cache nodes
 - IPv4 & **IPv6**

(and open to more!)



RCTS Members: How many?

- Total: 77
 - Universities: 24
 - Polytechnical Institutes: 15
 - Other: 38
- Members with IPv6 connection: 33 (~43%)
- Members with daily IPv6 traffic peak above 100Mbps: 9
- Members with average daily IPv6 traffic (0-24h) above 100Mbps: 1

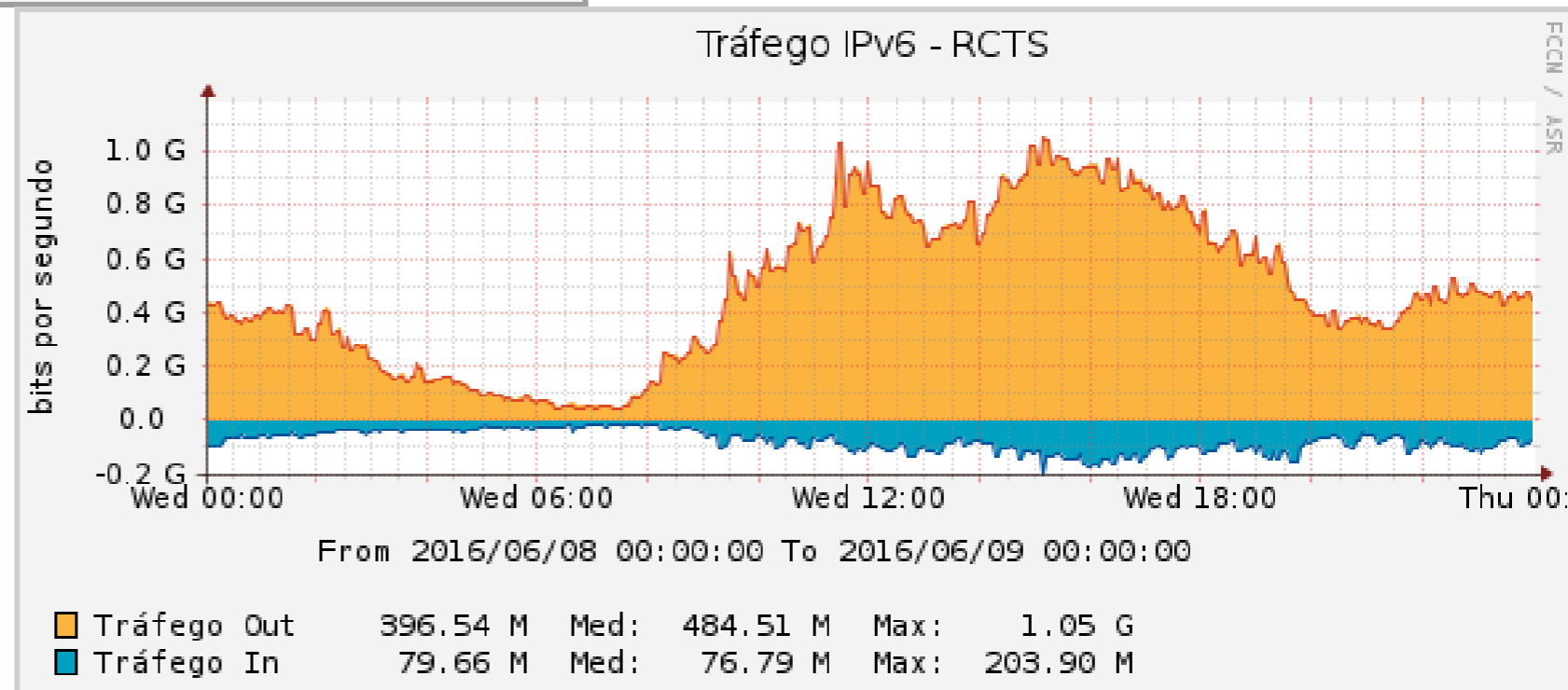
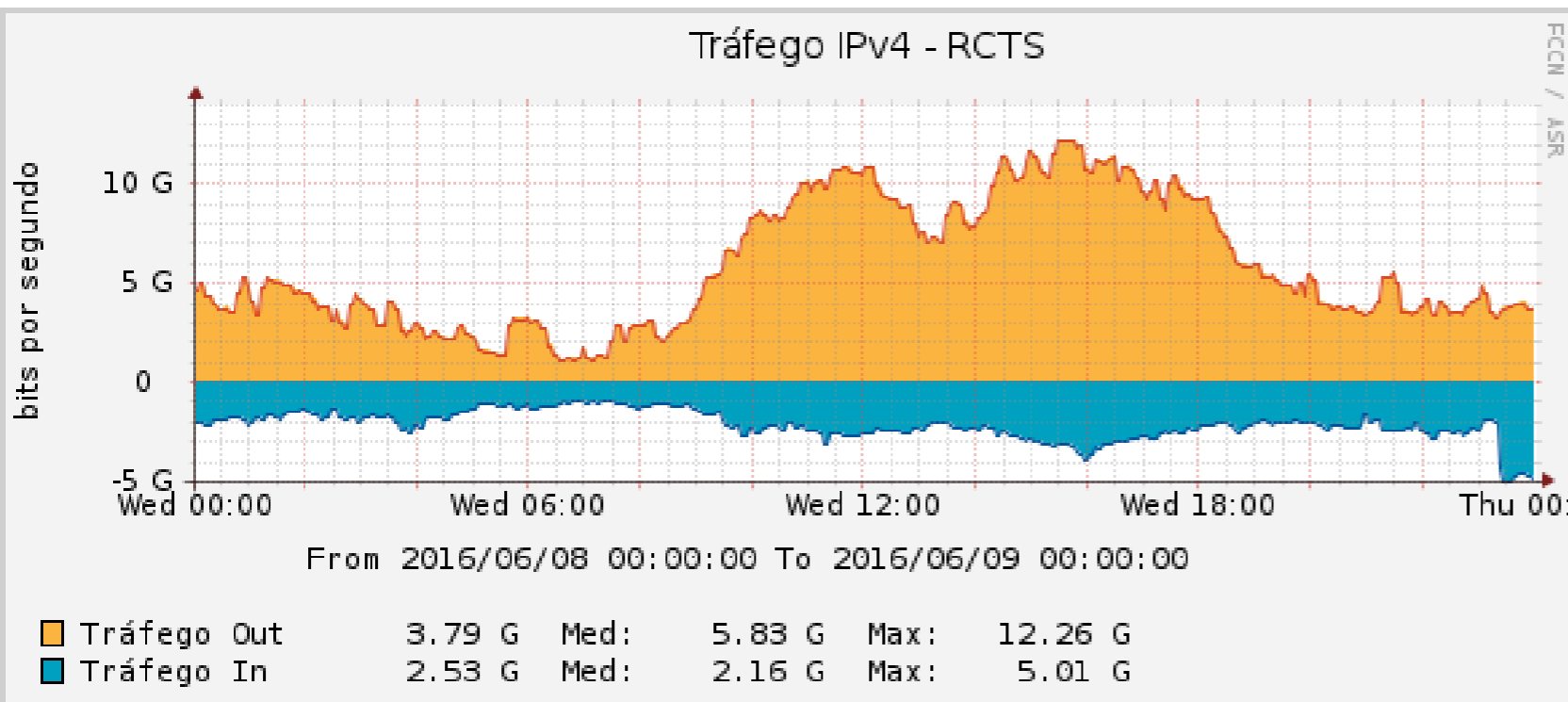


IPv6 Addressing Plan

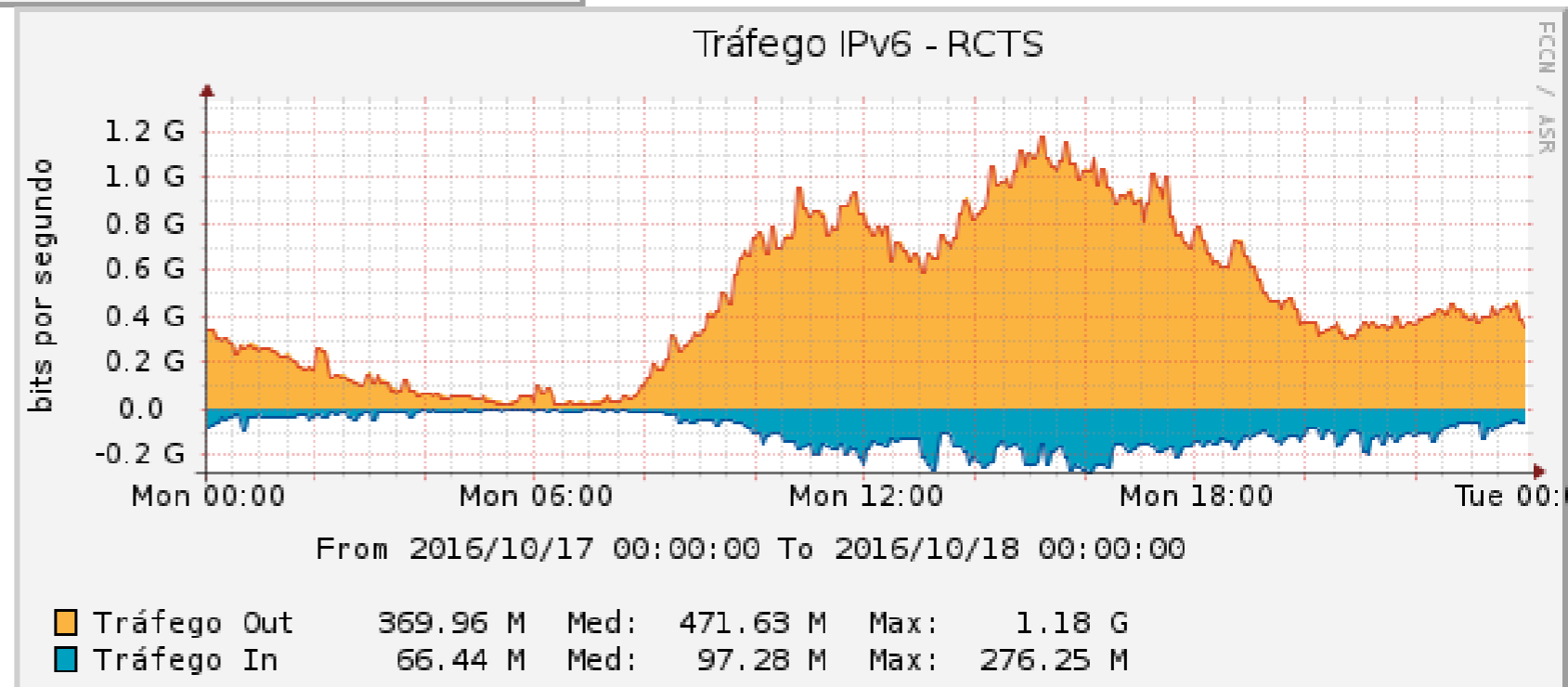
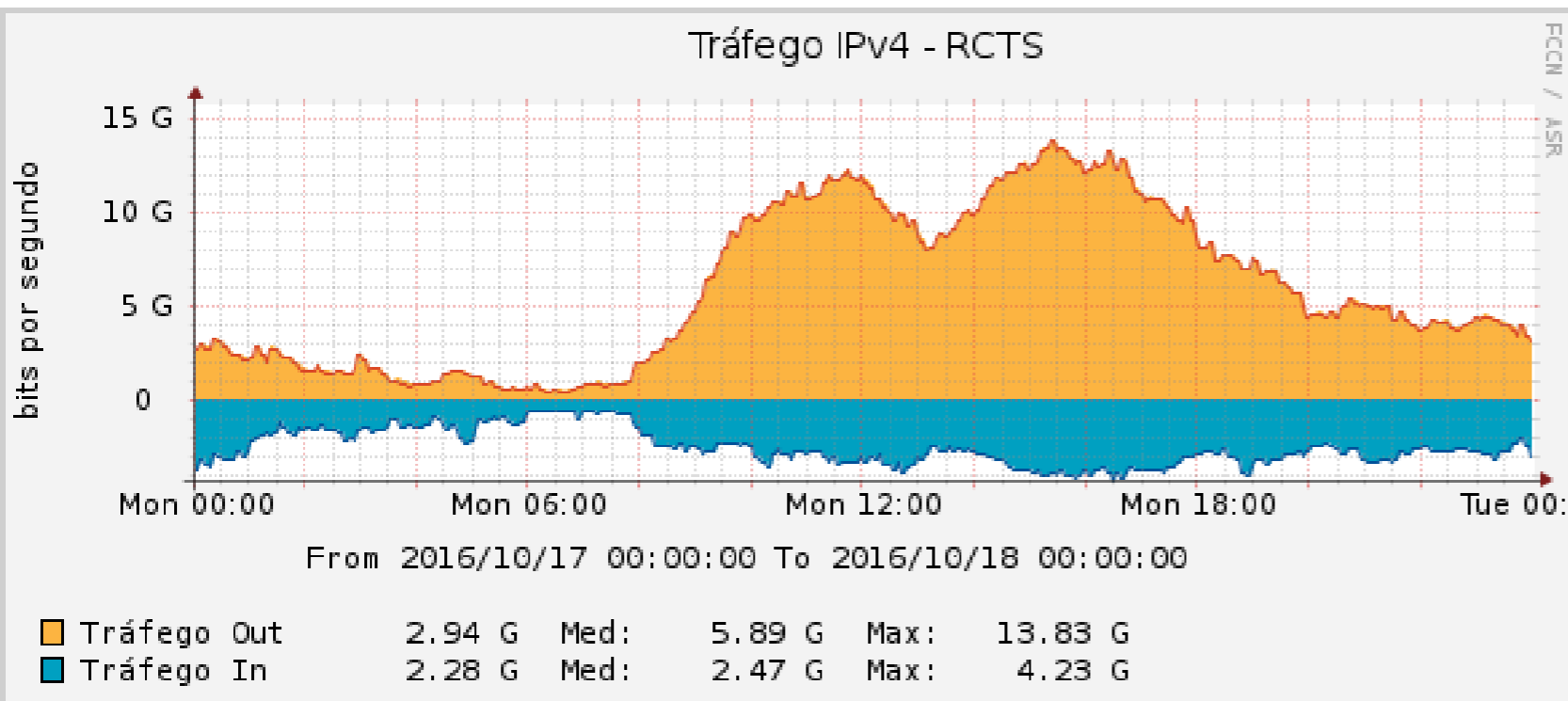
- **/35 -> /32 -> /29**
- Assignment of a **/48** block to each member
 - Some have more due to mergers
- **Always** use **/64** prefixes in Local Networks



Traffic, IPv4 vs. IPv6 (8th June)



Traffic, IPv4 vs. IPv6 (17th October)



(Some) Other Services



Questions?

