



update @ ITNOG9

Incidente 12 maggio

- Incidente non ancora formalmente chiuso
- Disservizio generato da % CPU switch molto alte
- Causato più fattori attivi contemporaneamente
 - Bug dormiente => no filtri sul control plane
 - Alto traffico ARP: ampliamento /21 + attività di scan
 - Traffico illecito sulla LAN di peering
- Circa **25** ore in call con il vendor

Nuovi progetti

- Partnership con AMS-IX per il progetto Cross-IX
- Partnership con Lancom per l'apertura di MIX Salonicco
- Crescita degli IX regionali tramite fornitori di contenuti

Datacenter in Caldera

- 1900+ apparati installati
- 270+ clienti
- **DC3 completato**
- 600 mq - 500 kW aggiuntivi



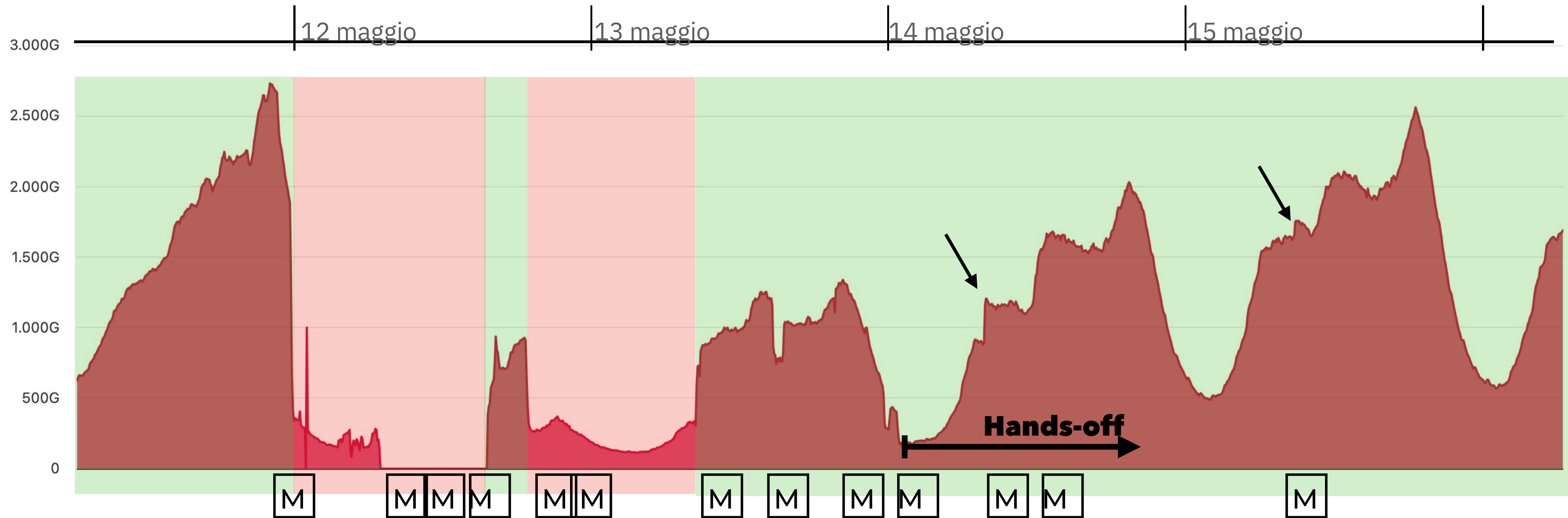
- Rinnovata Gold sponsorship

Salotto 2025

- 12-13 Novembre @ Allianz Mi.Co.
- Sponsorship disponibili



MIX update @ ITNOG9



**Prossime
azioni (da
condorelador)**

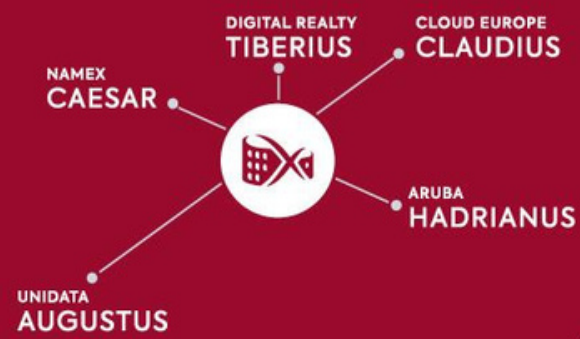
**1. Revisione
parametri BGP
della rete L3**

**2. Ripristino
ridondanza
border router**



Your **Mediterranean** Internet Exchange Point.

Rome Datacenters



5

Datacenters

1.4
Tbps

Current Peak

262

Networks

8.5
Tbps

Fabric Capacity

2
Tbps

Metro Capacity

1300

Private Network Interconnection

21 Networks

Inside the Parthenope
University

Open Fiber, Fastweb,
Warian, Fibercop
(CARRIER)

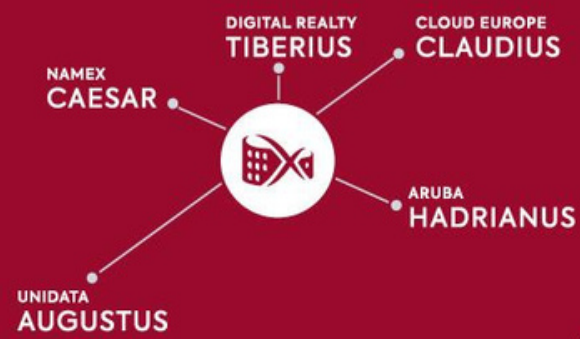
Facebook, Microsoft,
Amazon Prime (OTT)



NAMEX
NAPOLI
INTERNET EXCHANGE POINT

Think global,
connect local.

Rome Datacenters



- Activated reselling capabilities in both Cloud Europe and Naples.
- Increased capacity towards Digital Realty to 400G.
- Releasing the new customer portal — not just a visual redesign, but a full backend replacement designed to manage the entire commercial and technical lifecycle of our services.
- Developing a new system for sFlow statistics collection.
- Collaboration with TOPIX for the creation of a federation between IXPs.
- Introducing Arista devices with 400G support into the Fabric.

Think global,
connect local.

<https://www.minap.it/>

Established in 2008,
is the 3rd IXP in Italy by traffic.
(peak: 625 Gbps, usually ~450 Gbps)

11 switches in Milano
in the Via Caldera campus.
Connecting is free for everybody.

NOC: Marco d'Itri and Loris Marcovati.

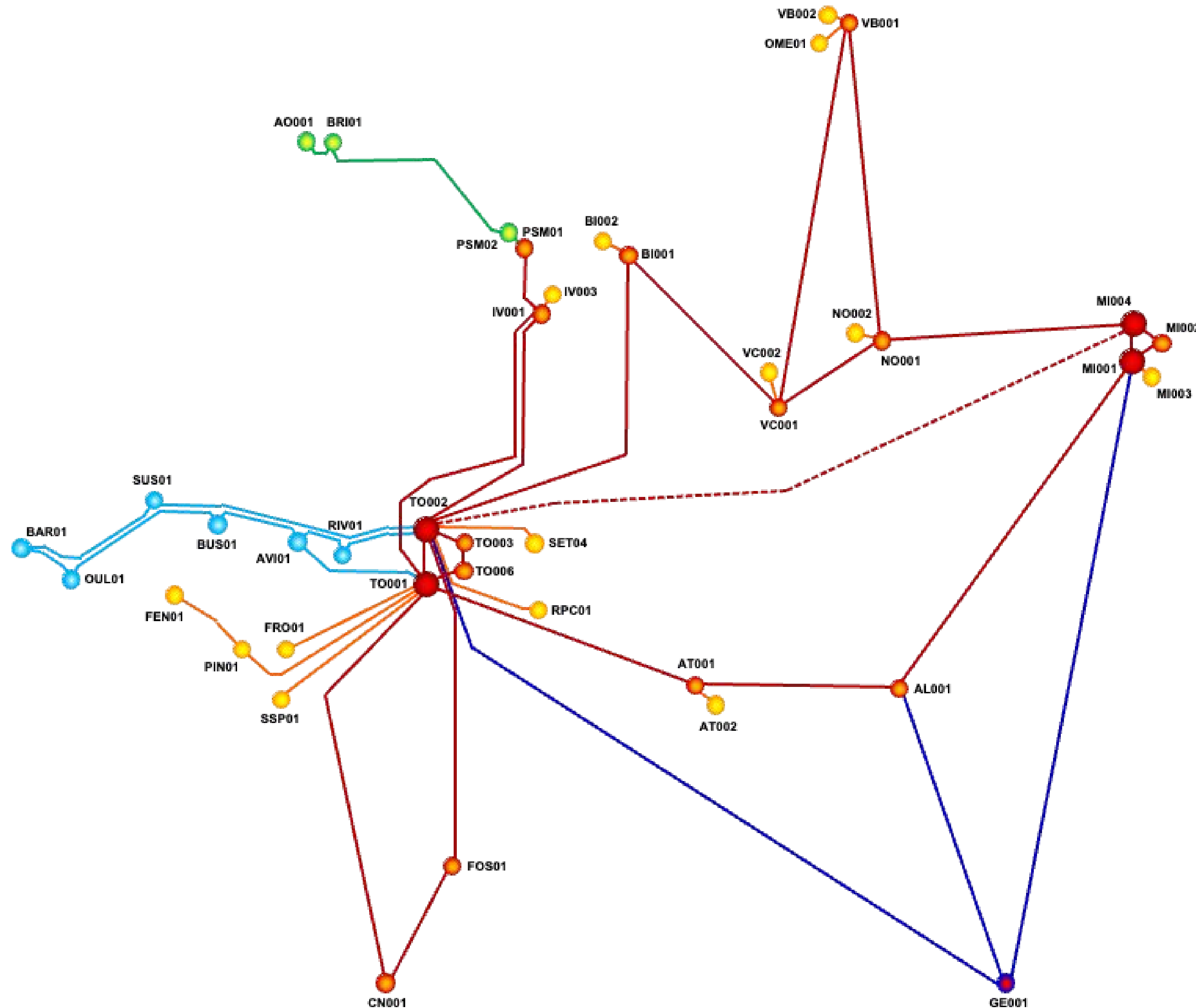
In the last year we:

- upgraded all POPs to 100GE
- switched from VPLS to EVNP-VXLAN
- implemented sflow for members' traffic

In the future we want to:

- switch one RS to OpenBGPD
- replace 3 old 10GE switches
(can you help?)
(We also need some 100GE bidi SFP+)
- deal with NIS-2, maybe

TOP-IX Update



Carrier Grade Platform

EVPN

SR-MPLS

Interconnection

Peering

Marketplace

P2P Connectivity

TOP-IX Update

Time as a Service (TaaS)

Wider coverage in Italy - Partnerships with Namex and VSIX

Compliance

ISO27001:2022 update and extension to all the infrastructure

OpenEdge

AS207638 - New environment to host local content and services

Cooperation with Namex

Working together for the creation of a federation between IXPs

Progetti e attività:

➤ Completamento seconda isola del nuovo data center e riqualificazione del vecchio data center

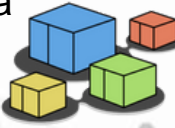
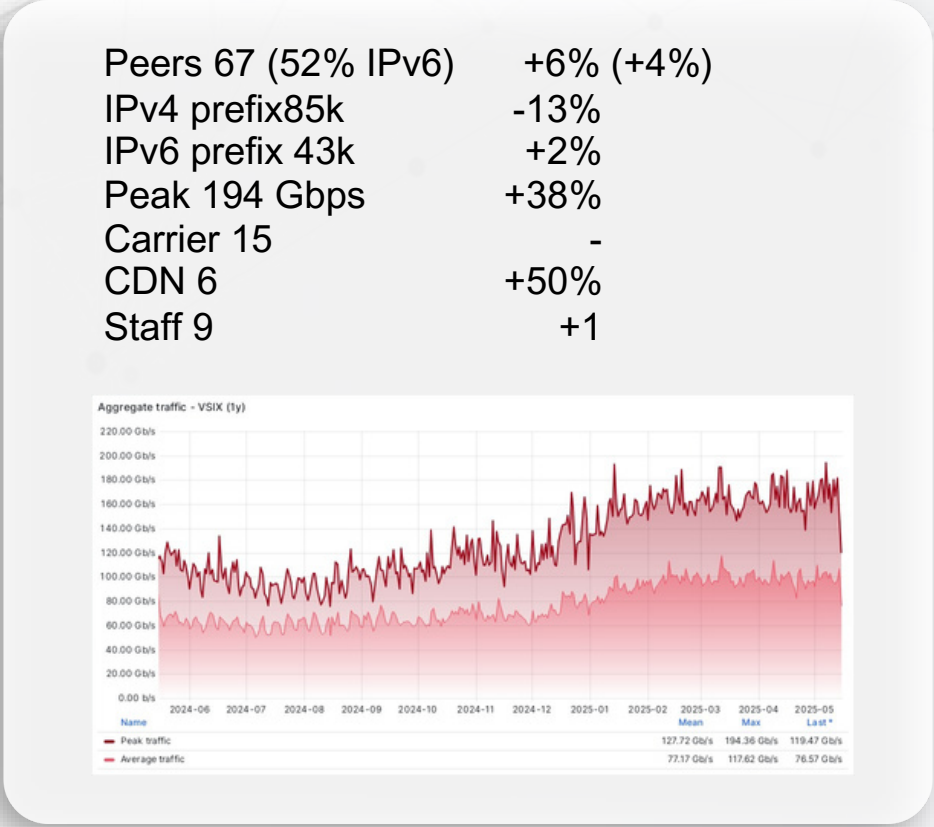
➤ Certificazione ISO 14001
➤ Sviluppo di un nuovo gestionale MyVSIX con

statistiche avanzate (PMACCT)

➤ Time as a Service by 

➤ **SAVE THE DATE: 26 Novembre Meeting VSIX**

- Nuovi progetti di ricerca supportati da VSIX:
- **Progetto Bioconductor** (Prof. Risso e Prof. Sales) analisi accelerata dalla GPU(Graphical Processing Unit) di dati biomedici ad alto rendimento
 - Università degli Studi RomaTre: sistema “**digital twin**” per la realizzazione di un ambiente gemello di test per Internet Exchange Point



Kathará

VSIX update



UNIVERSITÀ
DEGLI STUDI
DI PADOVA

VSIX

- ■ Bird RSs available
- ERP soon available
- Marketplace to sell/buy services

2 PoPs: Liguria Digitale Data Center - WTC
TISparkle Genova Digital Hub

Connected Networks: www.peeringdb.com/ix/4172
Operated by TOP-IX

