

TF-NOC flash presentation

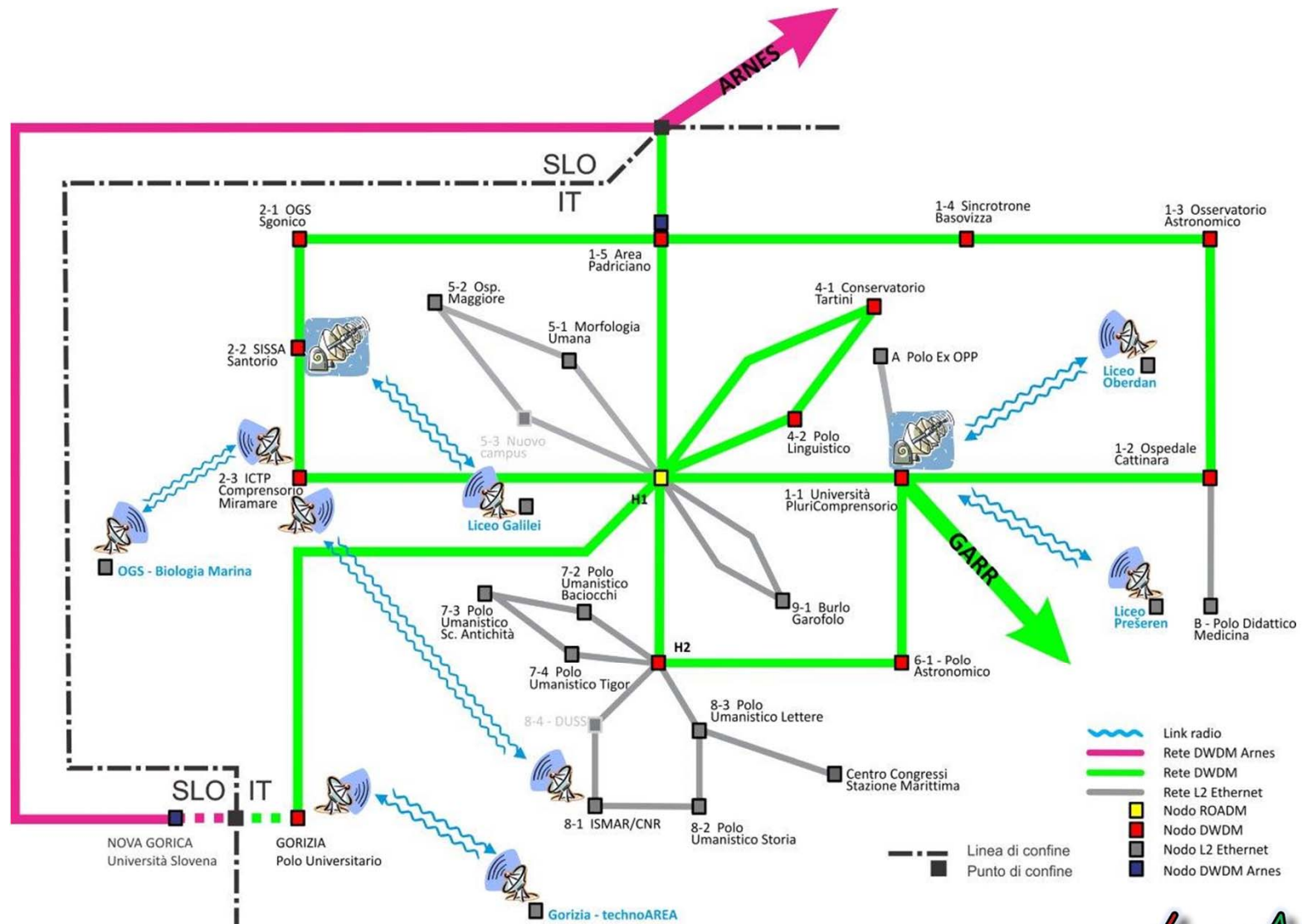


Trieste's optical MAN

LightNet in brief

- Temporary syndicate of R&E institutions on Trieste's territory
- MAN connects institutions' sites and transports the connectivity to GARR
- More than 10 different institutions, 400km of fibers, 50000 end-users (2/3 students)
- Cross-border connectivity with ARNES

Network



Network

- IRU of dark fiber, DWDM core infrastructure, some “grey” and radio links
- The MAN offers mainly transport and connectivity services, with some R&D experimental services such as BoD
- Management and monitoring is provided through various tools (DWDM equipment’s NM, open software, custom scripts...)

NOC structure

- Centralized NOC with 3 persons: 1 technical coordinator, 1 O&P and 1 R&D
- Working on standard office hours + “best-effort” handling of unplanned events

Front end

- Direct users are the network managers of the related institutions
- “Standard” communication tools (dedicated email and IM accounts)
- No ticketing system
- Currently no SLA defined

Inter-NOC communication

- The whole NOC staff resides in the same office
- Communications with other NOCs through the channels they provide

Documentation

- NOC keeps track on every aspect of the infrastructure
- Information stored using normal office automation tools

Thanks!

