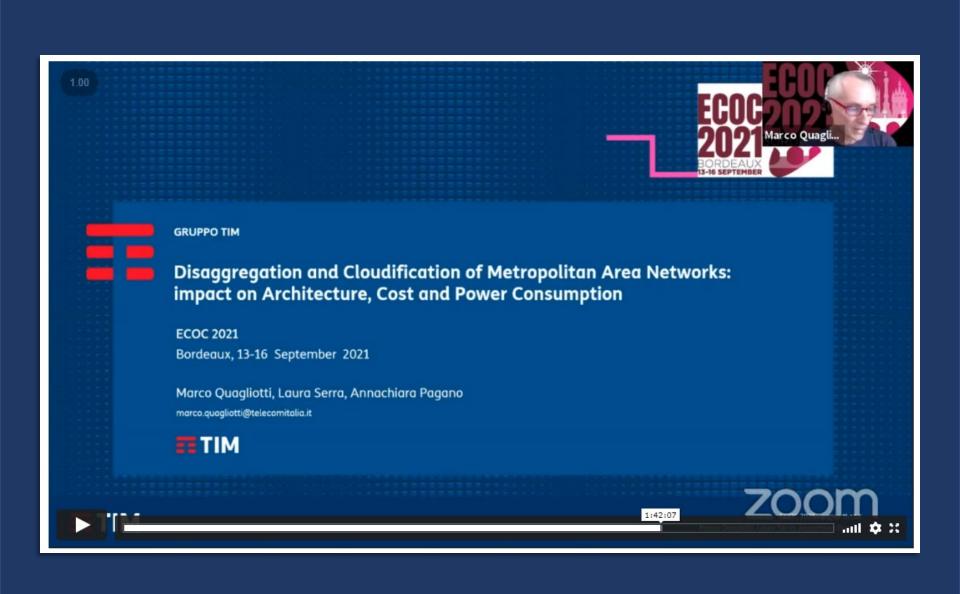
10





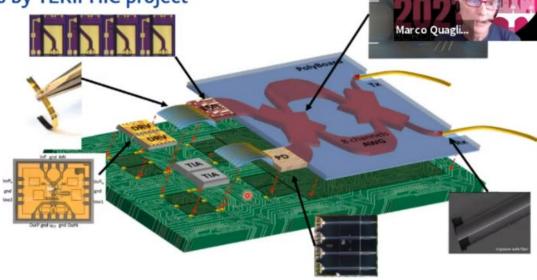
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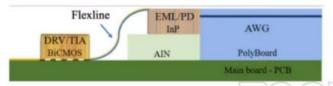




- · Transceiver modules single mode, 2 to 10 km span budget with 50% reduction of power consumption
- · 400G/800G/1.6T multilane PAM4, O-band, InP EMLs, 400 GHz grid
- · MSA (QSFP-DD or OSFP) compatible devices for direct exploitation after project end (400G/800G). On Board Optics for higher rates (1.6T), more forward looking
- · Assembly automation and module characterization processes for highvolume production















- The analysis made on cloudified and disaggregated MAN scenario shows that optics and DC together dominate the total capex (65% or higher)
- In medium term the cost share of the WDM pluggable grows due to the significant need for inter-site links at 400G and beyond
- The DC component, with the new decentralized architecture, consumes more than 70% of energy in all cloud site types
- #04 Improvement of efficiency and reduction of cost per bit/s in servers, packet switches and transceivers are key enablers for cloudified MAN
- An example of such advancement is the 400G/800G/1.6T modules under development in EU TERIPHIC project







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www.ict-teriphic.eu
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Many thanks



