

The 5G Barcelona trial facility

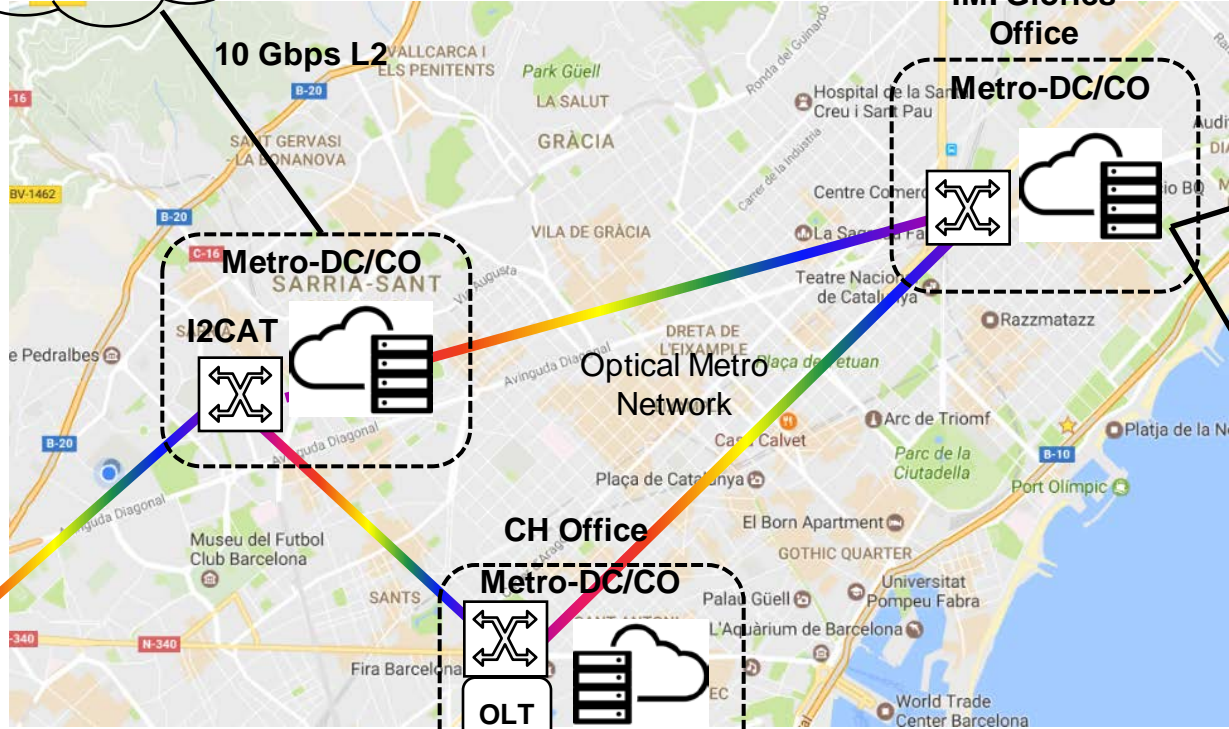
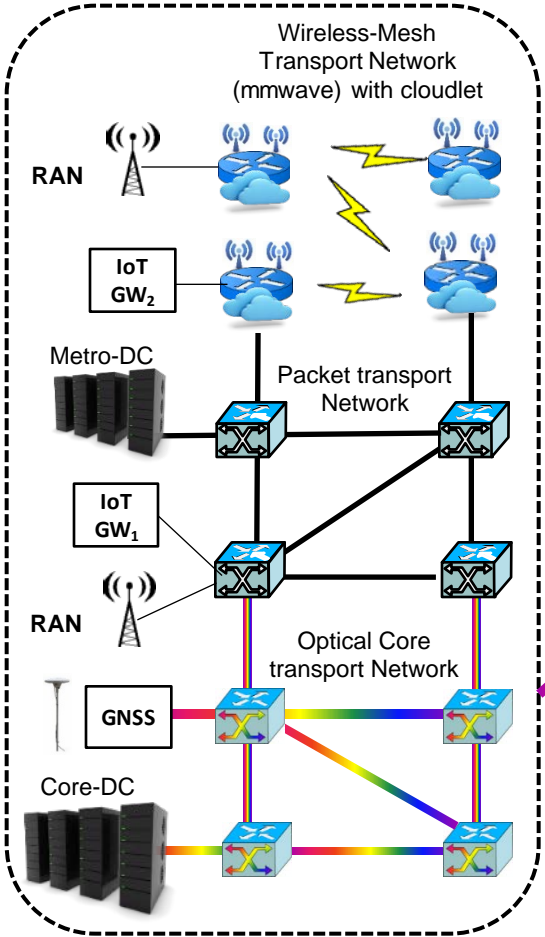


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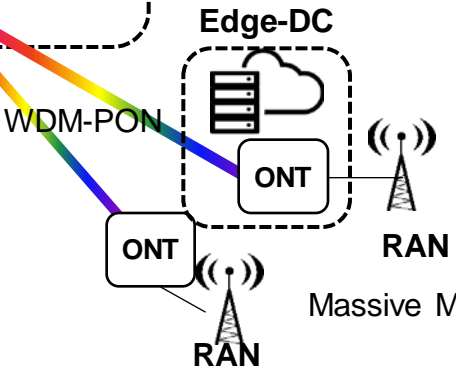
Barcelona Field&LabTrial

Area 3

CTTC Lab-trial @ Castelldefels



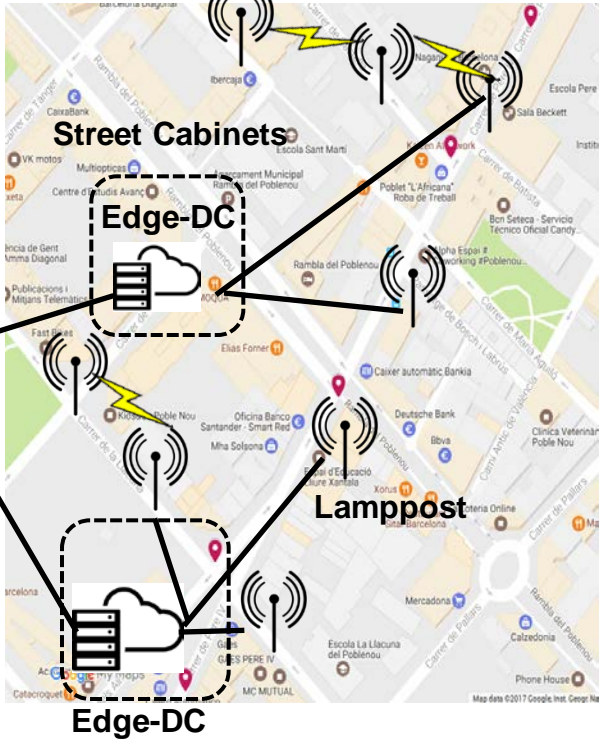
Area 2



Massive MIMO @ 3.5GHz

Area 1

c/Pere IV @ BCN



Small Cells @ 3.5GHz
SDN Wi-Fi @ 5GHz

Main features

- **Business model:** Hybrid public/private.
- **Projects using your platform:** H2020 / 5G PPP: mainly FLAME, 5G-City, 5GCar, METRO-HAUL, but also 5G-TRANSFORMER, BlueSpace, 5GTANGO.
- **Use cases:** Media and Entertainment, Smart Cities and Buildings, Energy, Automotive & transport, eHealth Manufacturing.
- **Technologies available:** Heterogeneous NW Access, Targeted Software Networks (SDN/NFV), Cloud and Edge computing functions, IoT Enabler Functions, Localization Techniques, Satellite link access.
- **Measurement/test/certification tools:** Oscilloscopes, signal/spectrum/networks analysers. Software modules, vDPIs, monitoring computing infrastructure for specific KPIs, etc.
- **Connectivity:** 5G Barcelona wireless sites and labs are connected through optical metro network. Additionally 5GBarcelona offers international connectivity and federation with other pilot sites through a 10 Gbps circuit to GEANT, and a peering point for roaming through a Carrier House node. Compute and network resources of 5GBarcelona are managed as an integrated resource pool, and made available through open APIs to third parties.
- **Operational support:** Fault management, performance monitoring, trouble ticketing system.

Partners



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