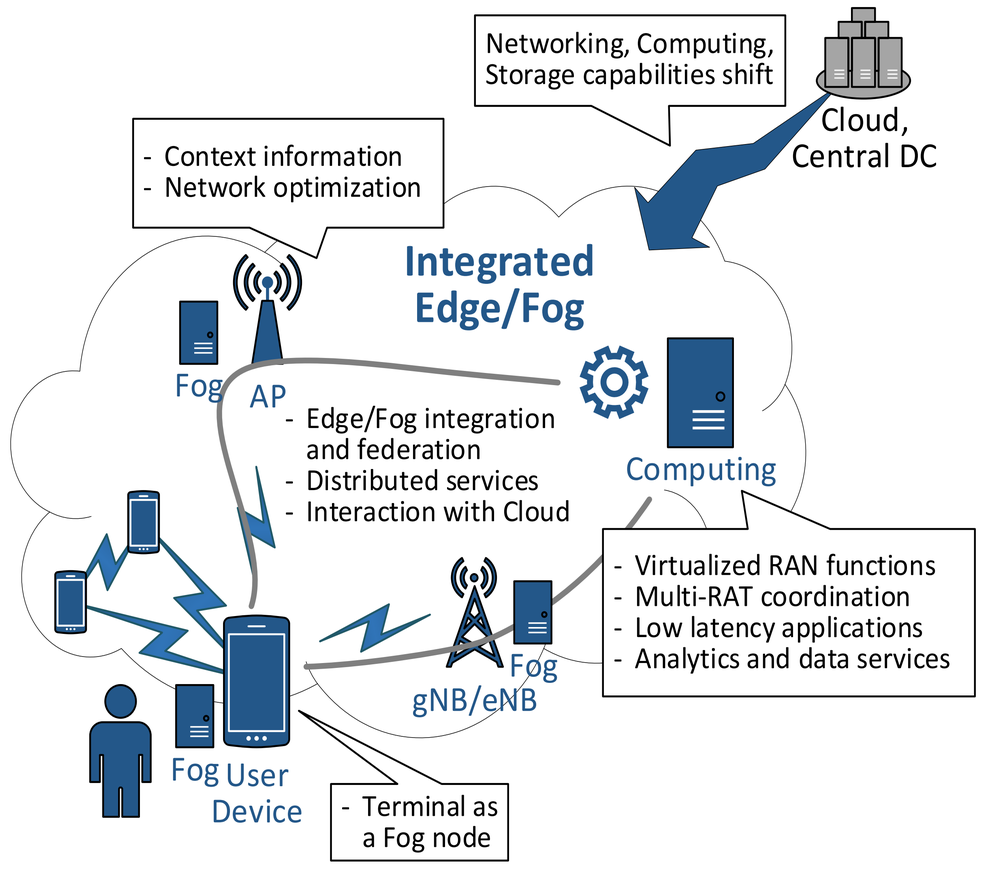
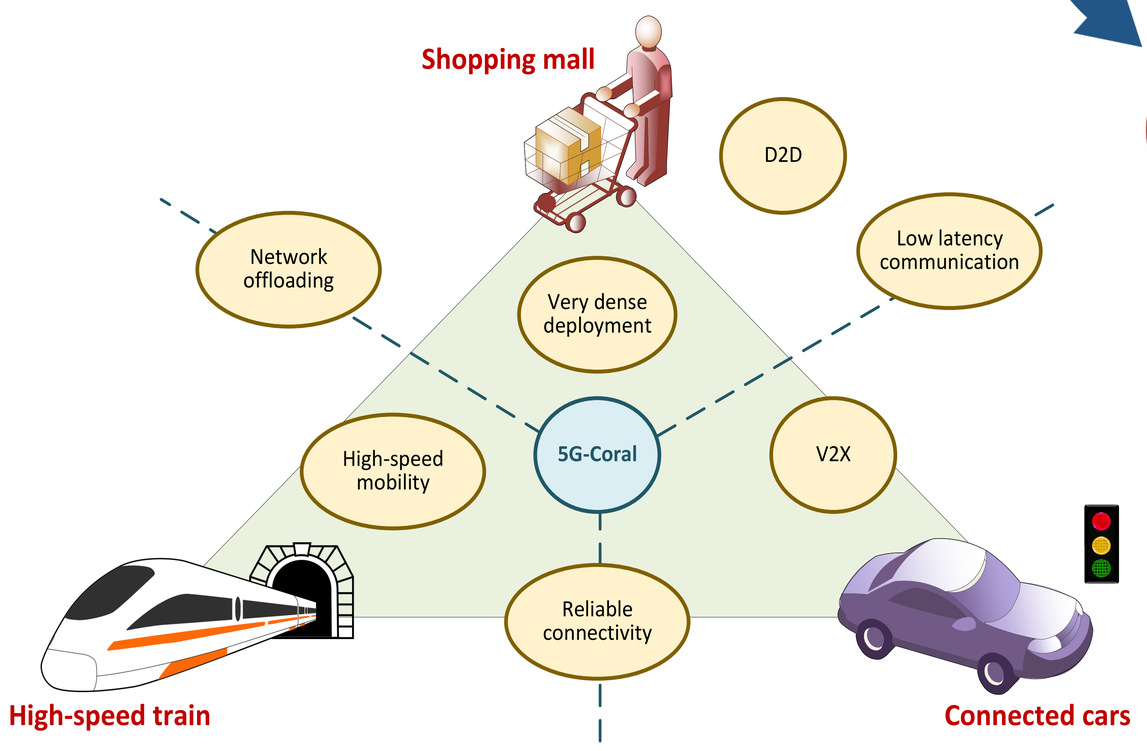
A 5G Convergent Virtualised Radio Access Network Living at the Edge

Vision

"5G-CORAL: A 5G Convergent Virtualised Radio Access Network Living at the Edge" targets the design of an innovative **integrated edge and fog solution,** where virtualised functions, services, and applications are put together to bring about enhanced low latency connectivity **across multiple radio access technologies**. The proposed solution envisions a unified virtualised environment by federating and integrating heterogeneous computing resources.





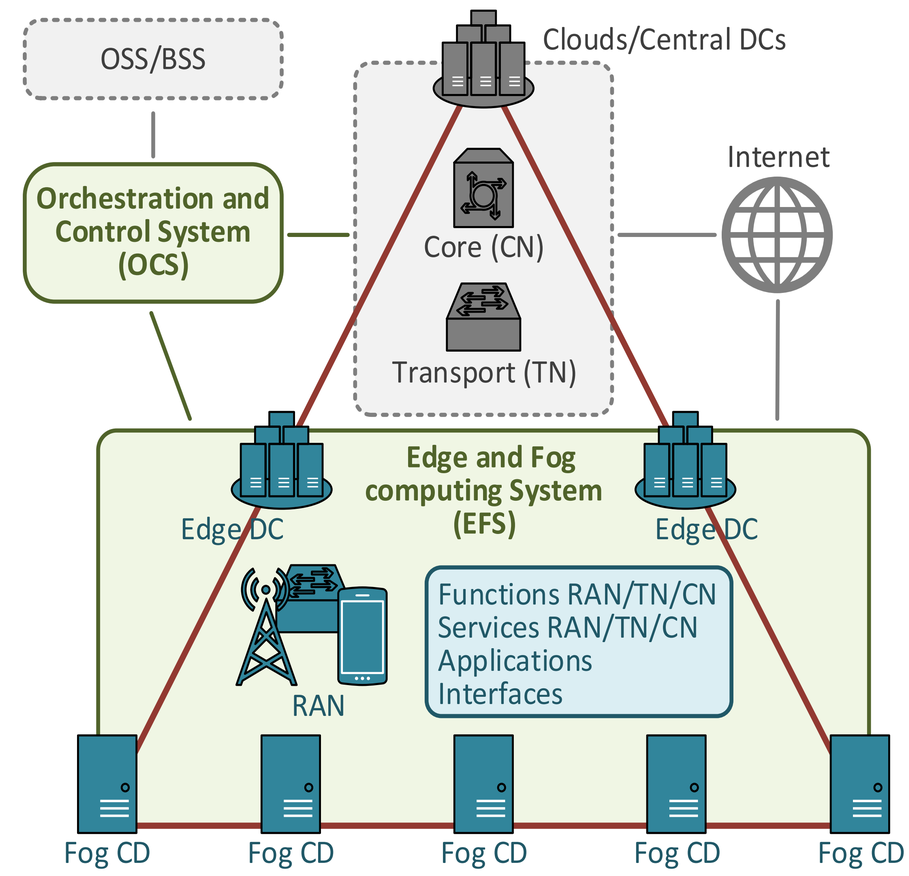
Mission

5G-CORAL aims to design and validate **through trials** in Taiwan and Europe key technology innovations for the development of a **5G converged multi-RAT access** based on a virtualised integrated Edge and Fog architecture that is scalable, flexible and interoperable with other domains including transport, core network and distant clouds.

Design

5G-CORAL solution envisions 2 Systems:

1. **Edge and Fog computing System (EFS)** formed by integrated the edge and fog networking and computing substrate offered as a shared hosting environment;
2. **Orchestration and Control System (OCS)** responsible of managing and controlling the EFS, including its interworking with other non-EFS domains.



5g-coral.eu twitter.com/5G_CORAL www.linkedin.com/in/5g-coral

Project lifetime:
01/09/2017 - 31/08/2019

Cost:
3.856.973,75€

Coordinator:
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