

## Thoughts on current and future experimentation needs

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Centre Tecnològic de Telecomunicacions de Catalunya (CTTC/CERCA)

GEFI 2019 workshop



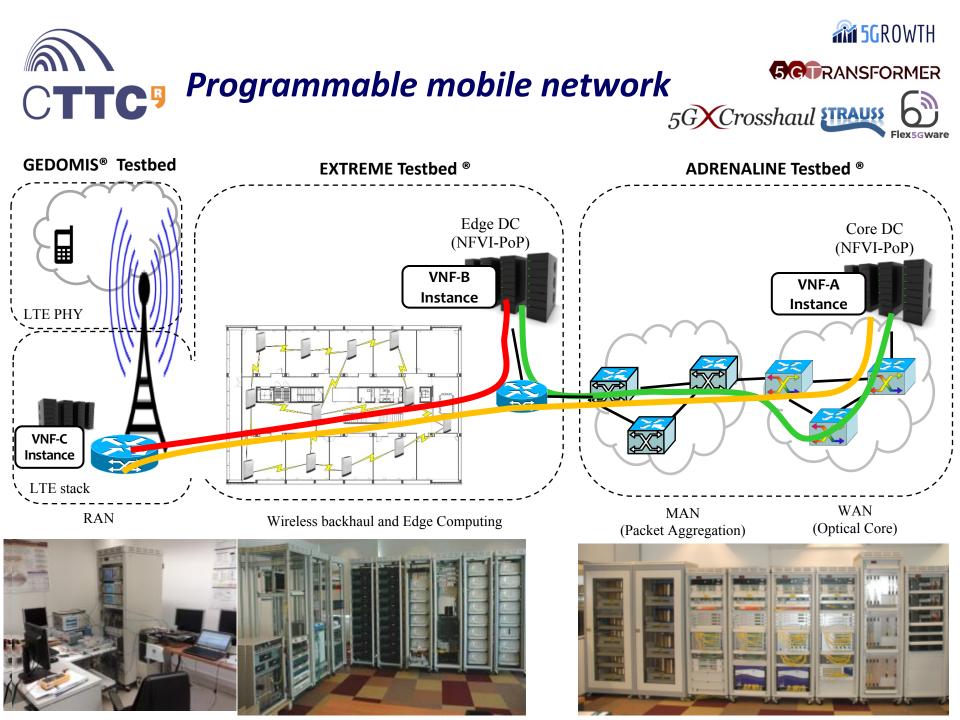


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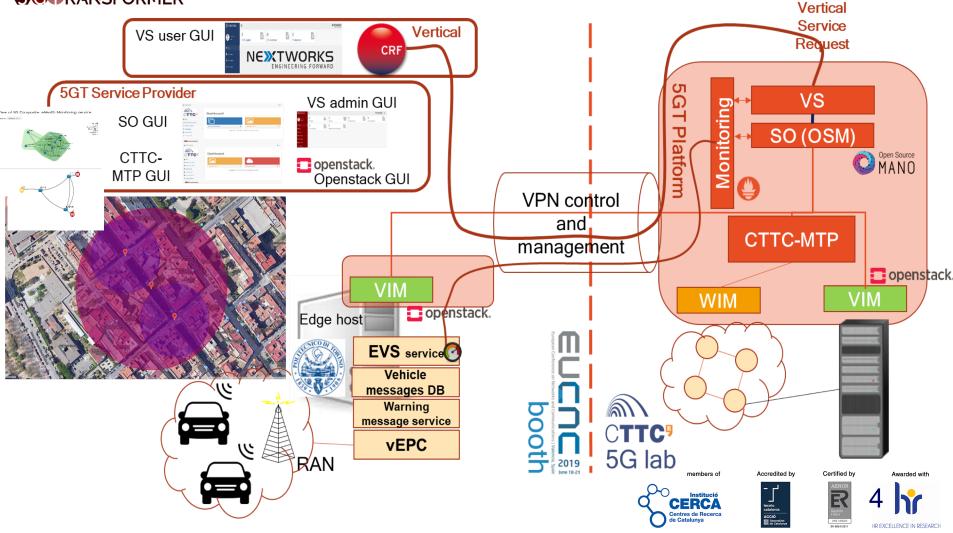
- Move towards softwarization and virtualization of functions brings flexibility for experimentation
- Aggregation of the capabilities of multiple testbeds (Federated testbed)
  - E2E orchestration of multi-technology multi-domain network segments
- Open and commonly agreed APIs for experimentation
- Framework that generates meaningful data and is generic enough for any AI/ML-based application
  - Real-time access to experimentation data
- Simulators in emulation mode (e.g., ns-3 LENA)



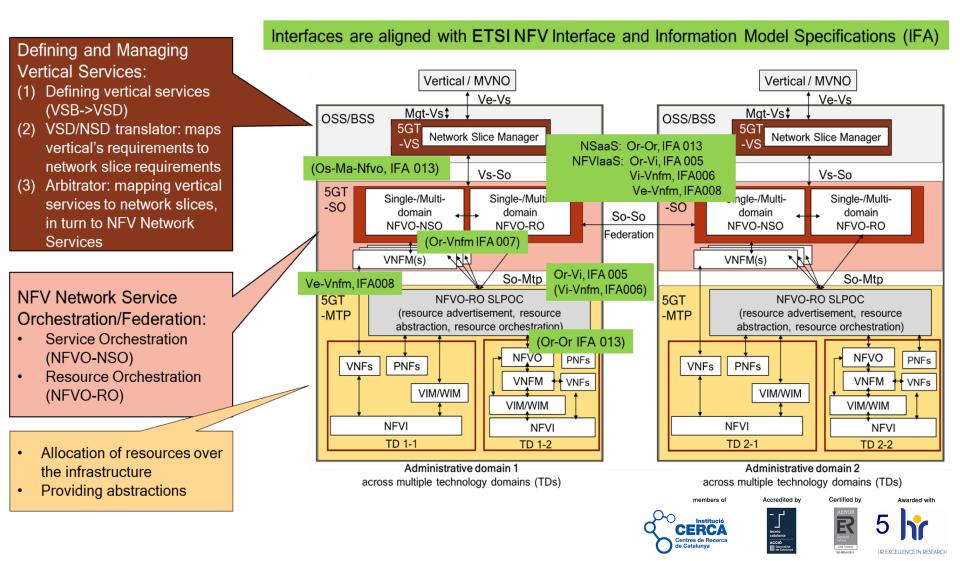
## **Dynamic deployment of vertical services OTTC<sup>9</sup>** *over shared infrastructure*

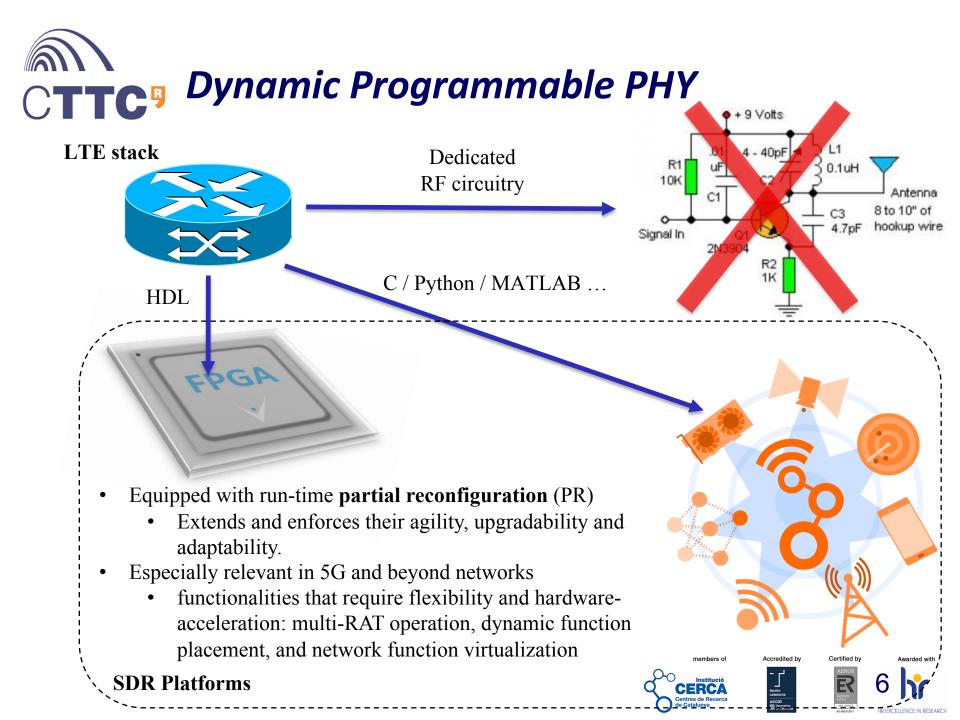
**M 5G**ROWTH

## **5CT**RANSFORMER



## NFV Service federation as enabler of federatedCTTC<sup>9</sup>testbeds







• Questions?

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