

SUPERG proposal

Satcom virtUalisation Platform for mobile nEtwoRk of fifth Generation



Objectives

- Experimental platform around « virtualization » for SATCOM network functions
- Build an experimental platform around « network acceleration» for satcom network functions
- Standardization
- Satellite segment integration into 5G



Overall approach

- **WP 1 – SDN /NFV platform**
 - Develop and integrate VNF for satellite
 - Orchestration for network dynamical programmability
 - Architecture for Service Function chaining
- **WP 2 – Network Acceleration**
 - Experiment VPP for Satcom Functions (compression, encapsulation)
- **WP 3 – Standardization**
 - Exchange of information on on-going 3GPP definition activities
 - Back-office support for the 3GPP members
- **WP 4 Satellite integration for 5G**
 - Facilitate integration



2,4 M€



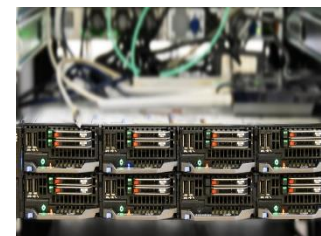
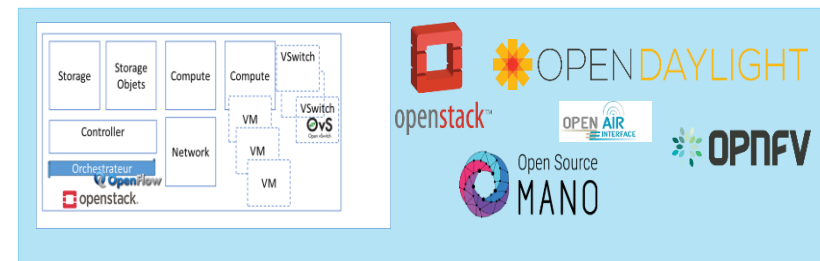
36 months



AIRBUS DEFENSE & SPACE, QoS DESIGN, THALES ALENIA SPACE, VIVERIS TECHNOLOGIES, IRIT/INPT, LAAS/CNRS, CNES, I2CAT

Platforms

- Futur SUPERG Platform



Annexes.

