

# Project Overview Georgia Poziopoulou, Avanti Communications

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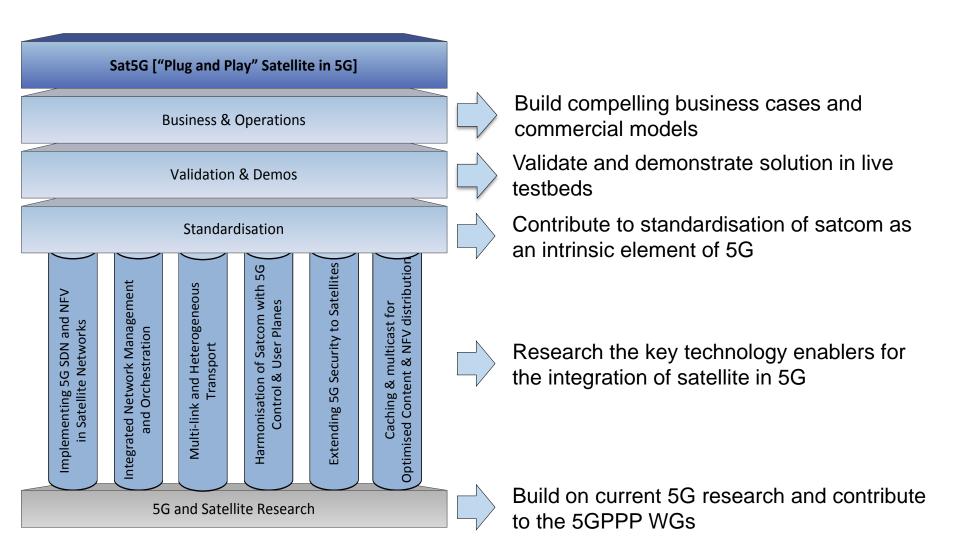
# **Project Objectives**



- Overall objectives
  - Contributing to the 5GPPP use case "Broadband access everywhere", SaT5G will foster the implementation of solutions enabling the "plug and play" integration of satcom components into 5G networks.
  - To this aim, SaT5G will research and validate the key technology enablers through validation and demonstration in live 5G testbeds.
  - SaT5G impact is for the satellite industry to join the European initiative in the deployment of a competitive and ubiquitous 5G network globally.
- Schedule
  - 30 months duration
- Consortium
  - AVA project coordination, TAS technical coordination
  - 16 partners (satellite/terrestrial operators, vendors, universities and research centres)

# SaT5G Concept

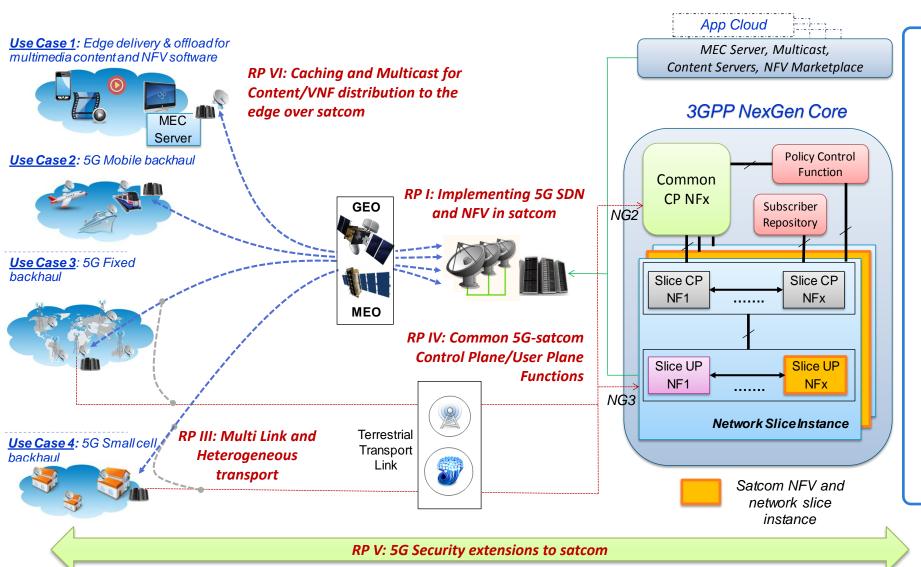




# RP II: Integrated SaT5G Network Management and Orchestration

## **Use Cases & Research Pillars**





## **Project Outputs**



- □ Validation of every research pillar output in the lab
- Demonstration of the SaT5G use cases in 5G live testbeds integrating:
  - Virtualised satellite terminal functions;
  - Management and orchestration functionality;
  - Multilink functionality;
  - An integrated Mobile Edge Computing function with caching and multicast.
- White paper with the reference SaT5G architecture
- Targeted standardisation contributions of the key technology enablers in 3GPP and ETSI
- Develop the commercial value propositions for the SaT5G use cases



### Thank you for your attention































