



*Converged Heterogeneous Advanced 5G Cloud-RAN Architecture for Intelligent and Secure Media Access*

# 5G drives New Business Opportunities: The CHARISMA Case

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The 5G Infrastructure Public Private Partnership

# Our Competences

*Regulatory Economics*

*Technoeconomic  
Analysis*

*Business Modelling*



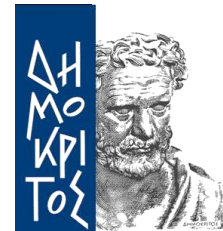
*Demand  
Forecasting and  
Market Sizing*

*Value Chain  
Analysis*

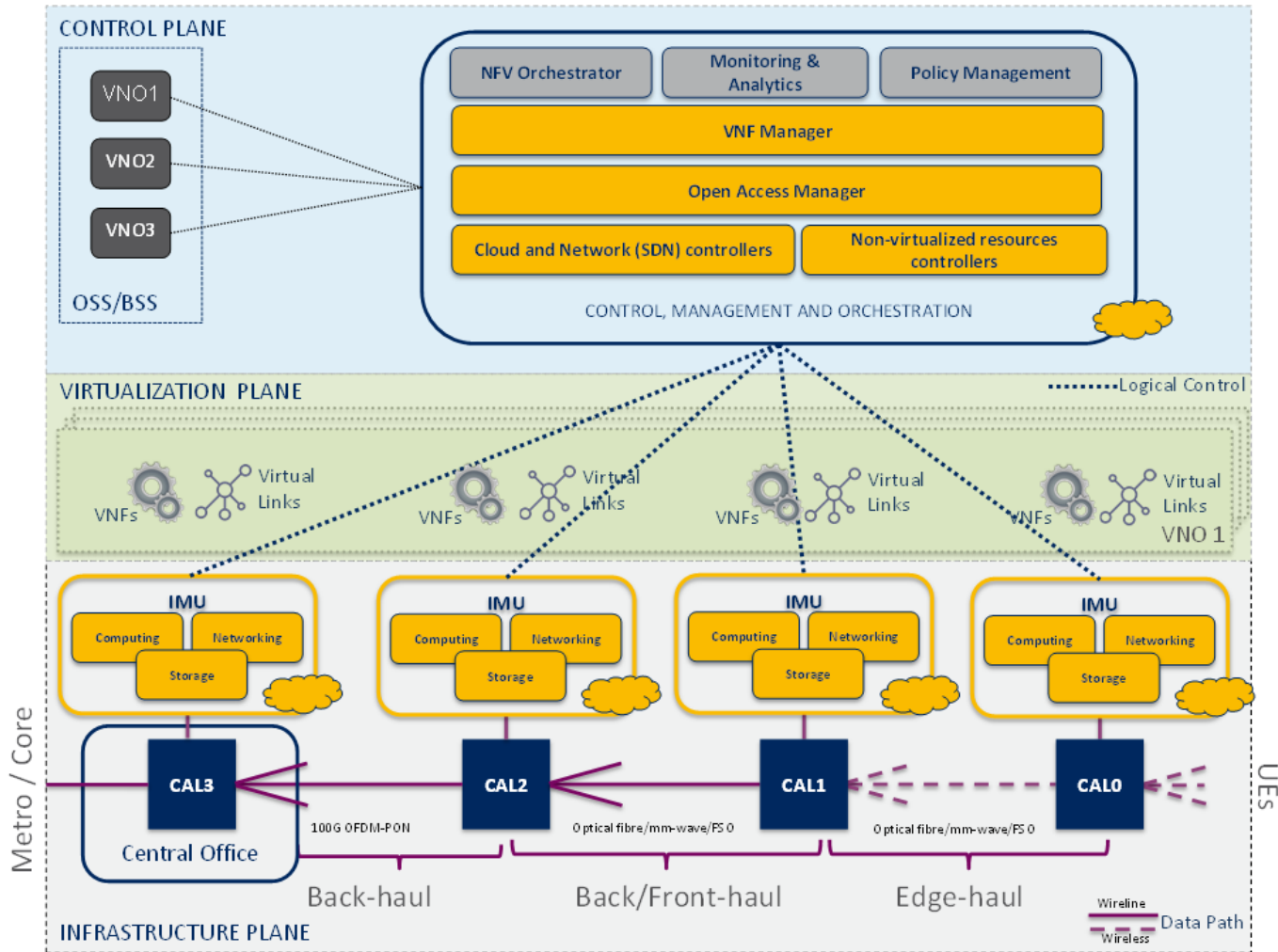
*Roadmapping*

*Business Planning*

- 5G PPP Phase 1 Project
- Grant agreement No: 671704
- Budget: ~€5.9 million
- 14 organizations from 9 countries
- Project coordinator: i2CAT
- Technical Manager: University of Essex
- Duration 30 months



# Proposed architecture





- **Low latency**
  - Intelligence close to the edge
  - New use cases (healthcare, transportation, media, etc.)
- **Open access**
  - Infrastructure owners can share their resources with network operators
  - Personalized services meeting their demand criteria
- **Security**
  - Holistic management platform, end to end security
  - Critical for the adoption of 5G



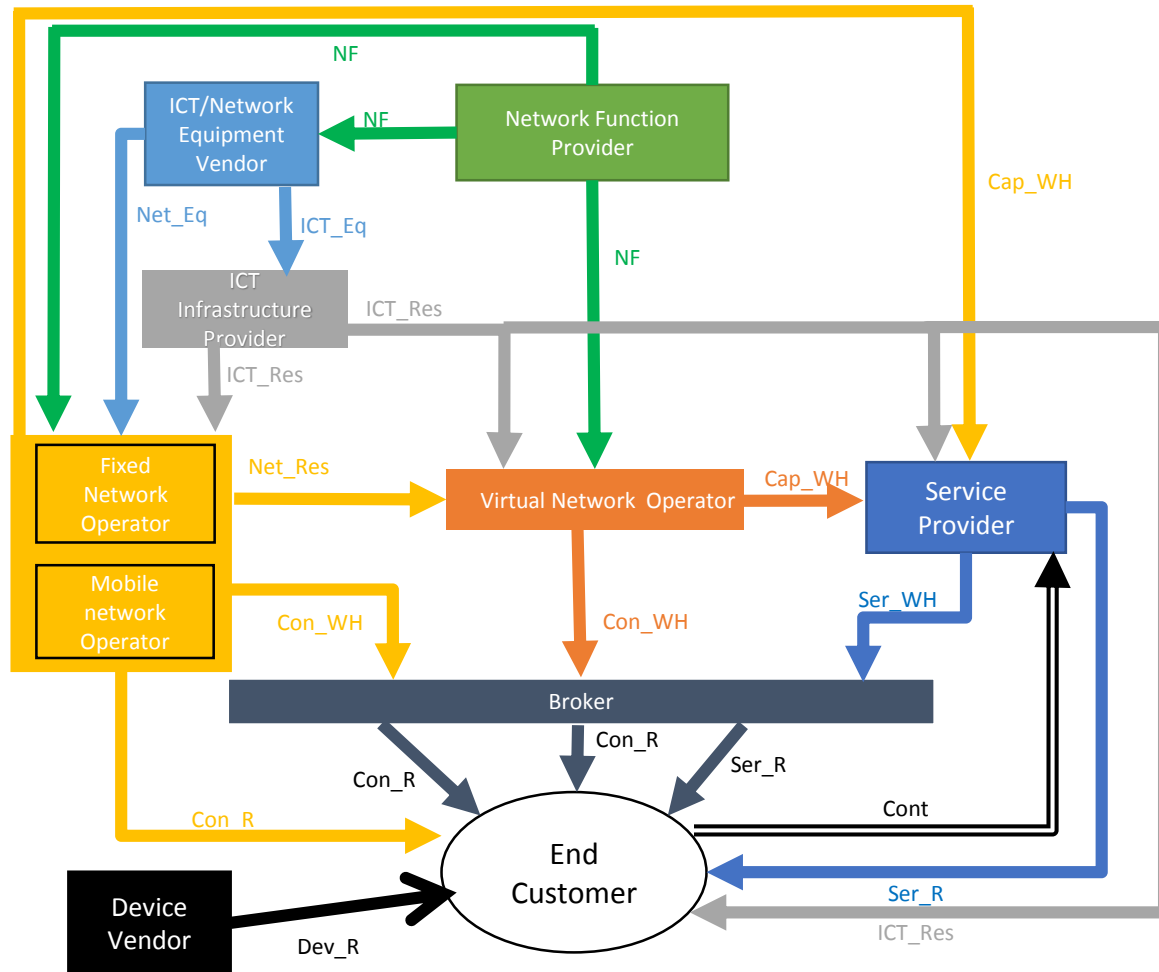
- A business model consists of a description of all the business players, their roles and relationships, their relative position within the value network and a description of the cost structure and possible sources of revenues
- A network of relationships that generates economic and other types of value through dynamic exchanges, that may be tangible or intangible, between two or more participating players.



# Definitions

- **Player:** an entity that participates in the business model. It can provide or consume services (from other entities);
- **Role:** The functionalities of each player that participates in the business model. Players can take one or more of these roles;
- **Relationship:** it illustrates the interaction between two roles or players in the model;
- **Revenue model:** it describes the revenue streams for a player in the model.

# Reference model





 | CHARISMA Thank you!



[www.charisma5g.eu](http://www.charisma5g.eu)



#charisma5G

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