

Value proposal for SINTEF-ICT : 5G-PPP

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- SINTEF is the largest independent research organisation in Scandinavia
 - Leading expertise in the natural sciences and technology, environment, health and social science
 - 2000 employees from 70 countries, 1350 scientists
 - Annual sales of NOK 3 billion (EUR 400 mill) – customers in more than 60 countries
 - A non-commercial research foundation with subsidiaries
- Our vision: *Technology for a better society*



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SINTEF-ICT's view on 5G-PPP

Physical resource broking among operators requires an integrated view on fronthaul/backhaul and the coordination and exploitation of the radio capabilities and variable cell functionalities.

Joint fronthaul/backhaul optimization
Distributed/centralized functionalities

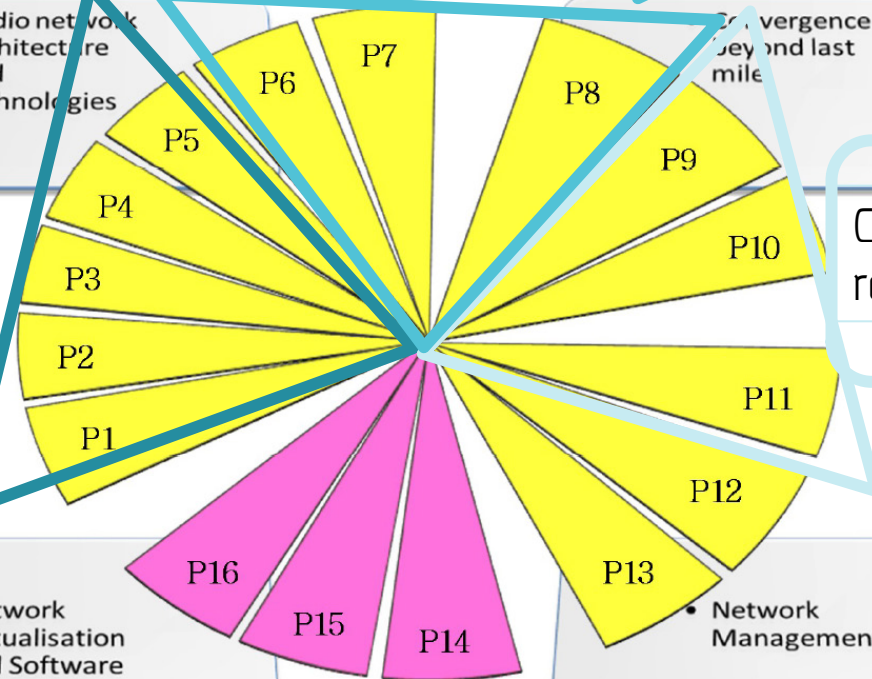
5G PPP

A mapped set of **R&I** and **I** Projects

Common resource management across different RATs in the context of incomplete CSI and network MIMO

- Flexible air interface
- Spectral management
- Interference mitigation

• Radio network architecture and technologies



• Convergence beyond last mile

Cognitive, SDN-based resource management

• Network Virtualisation and Software Networks

• Network Management

SINTEF ICT main experience and interests within 5G

