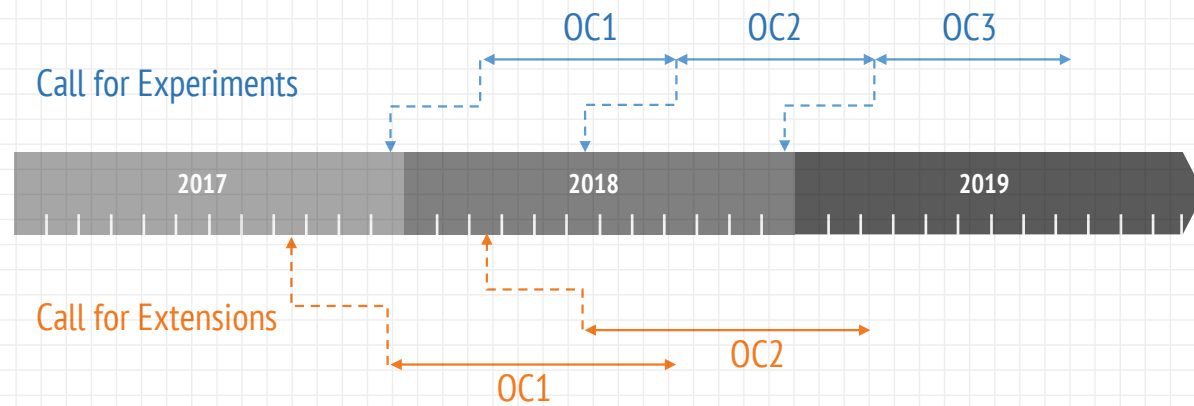


ORCA OPEN CALLS

The ORCA project will distribute 2M€ via several Open Calls to financially support the involvement of Third Parties between experiments and extensions.



PROJECT FACTS

Start: January 2017

Duration: 36 Months

Call: H2020-ICT-2016

Topic: ICT-13-2016

Research & Innovation Action

FOLLOW US!



@ORCA_Project_



groups/8589461

www.orca-project.eu

CONSORTIUM

umec



KU LEUVEN



RUTGERS
THE STATE UNIVERSITY
OF NEW JERSEY

The ORCA project is funded by the European Horizon 2020 Programme under grant agreement n°732174



**Orchestration and
Reconfiguration
Control Architecture**

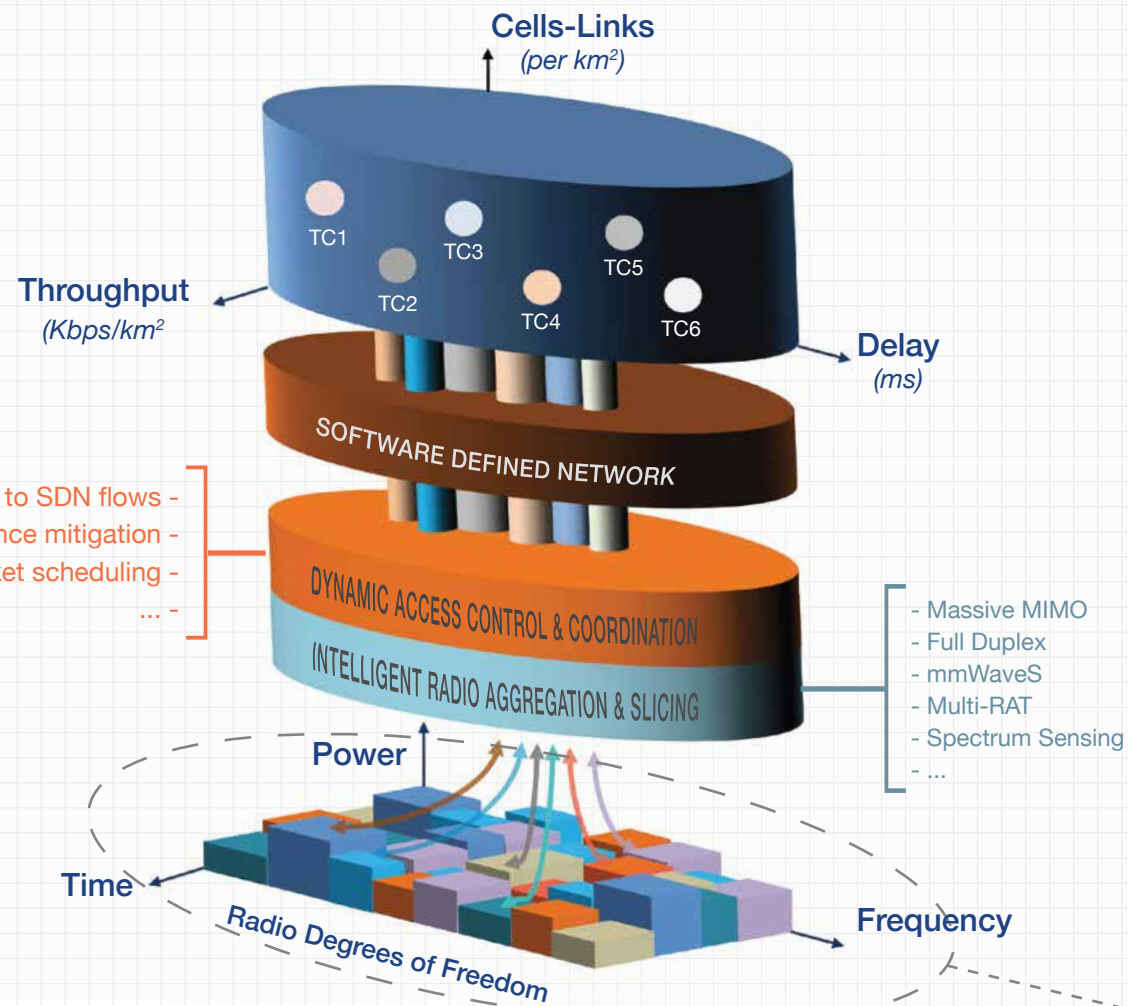
SOFTWARE DEFINED RADIO FACILITY

TO ACCELERATE WIRELESS INNOVATION

orca-project.eu

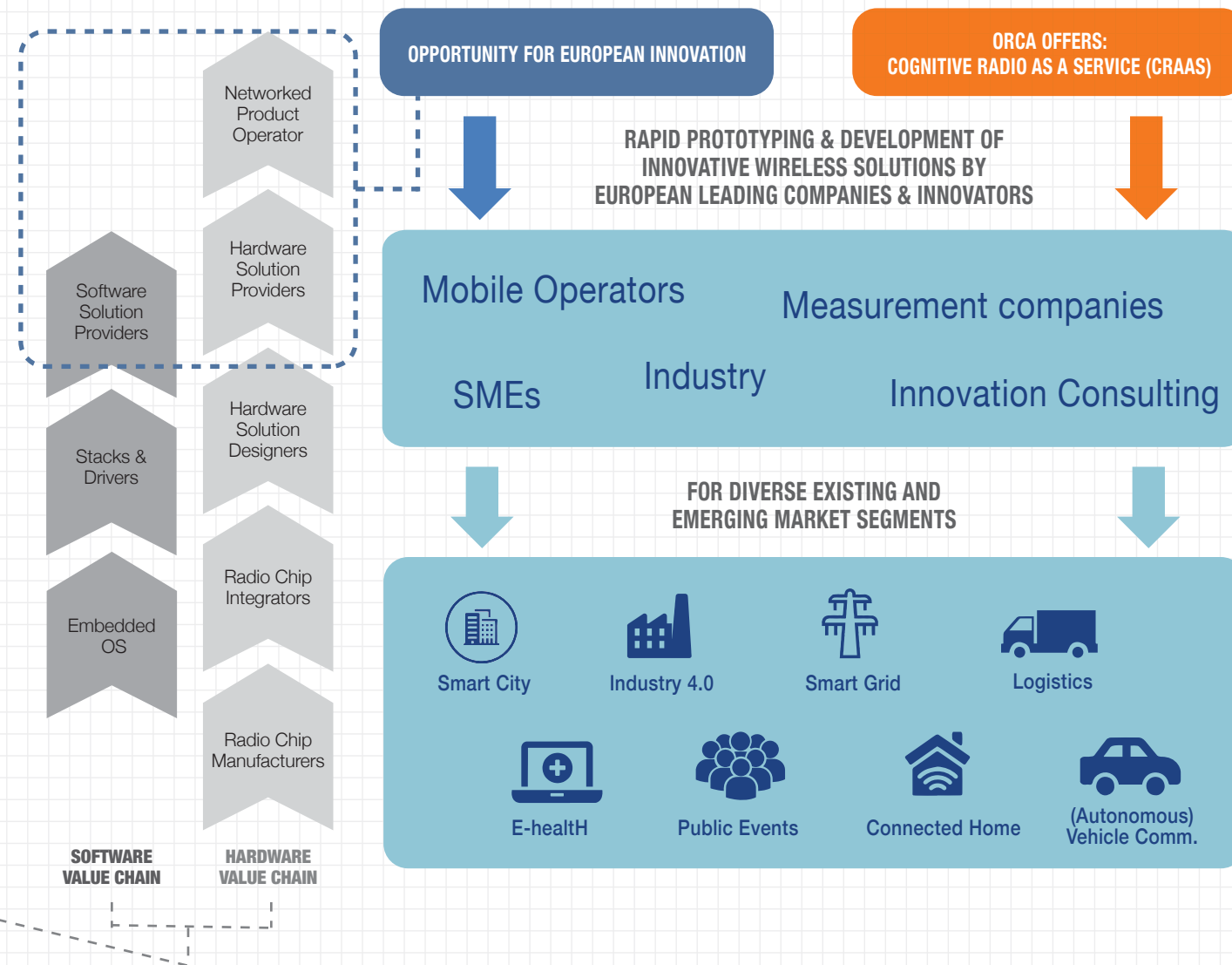
OVERALL CONCEPT

ORCA offers experimentation facilities to promote wireless innovation in several market segments, including manufacturing, automotive industry, healthcare, ambient assisted living, public events, home automation, and utilities.



The overall ORCA vision is to **drive end-to-end wireless network innovation** by bridging real-time SDR and SDN exploiting maximum flexibility at radio level, medium access level and network level in order to meet very diverse application requirements.

ORCA will offer Cognitive Radio as a Service (CRaaS) to the wireless research community and wireless innovation creators by giving easy access to a worldwide, open and ready-to-go test environment with real-time, reconfigurable and reprogrammable SDR devices. The main target of ORCA is to offer appropriate interfaces to integrate network functionality with RF, PHY and medium access functionality in SDR devices, providing a data, control and management plane at all levels (radio and network).



INNOVATION POTENTIAL