



Towards 5G Standardisation

***5G Multi Lateral Workshop
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HORIZON 2020

5G-PPP Vision



- An **ecosystem** for sustainable technical and business innovation
- Value-added **services**
 - Immersive user experience
 - Expanded Internet of Things
 - New mission critical services (low latency, high reliability)
- **Unified and programmable infrastructure**
- Support of **multi tenancy and network resource slicing models**
- Design to be a **sustainable and scalable technology**
- **Commercial deployment of 5G systems in years 2020+**
 - Field trials planned from year 2018 onwards, not yet based on commercial products
 - First commercial roll-outs expected to start in year 2020
 - **Strong links to verticals**

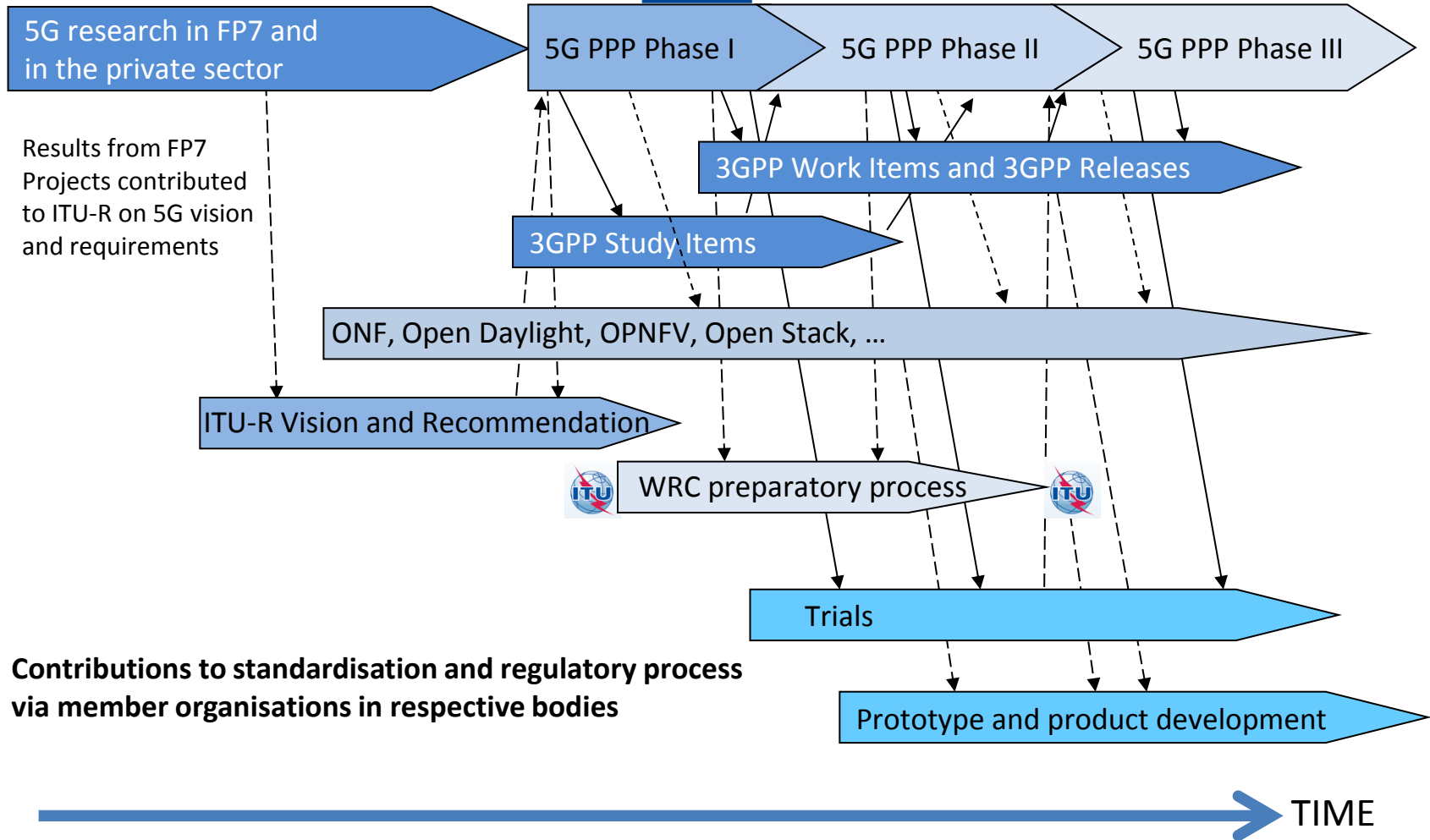


<http://5g-ppp.eu/wp-content/uploads/2015/02/5G-Vision-Brochure-v1.pdf>

5G-PPP Interactions



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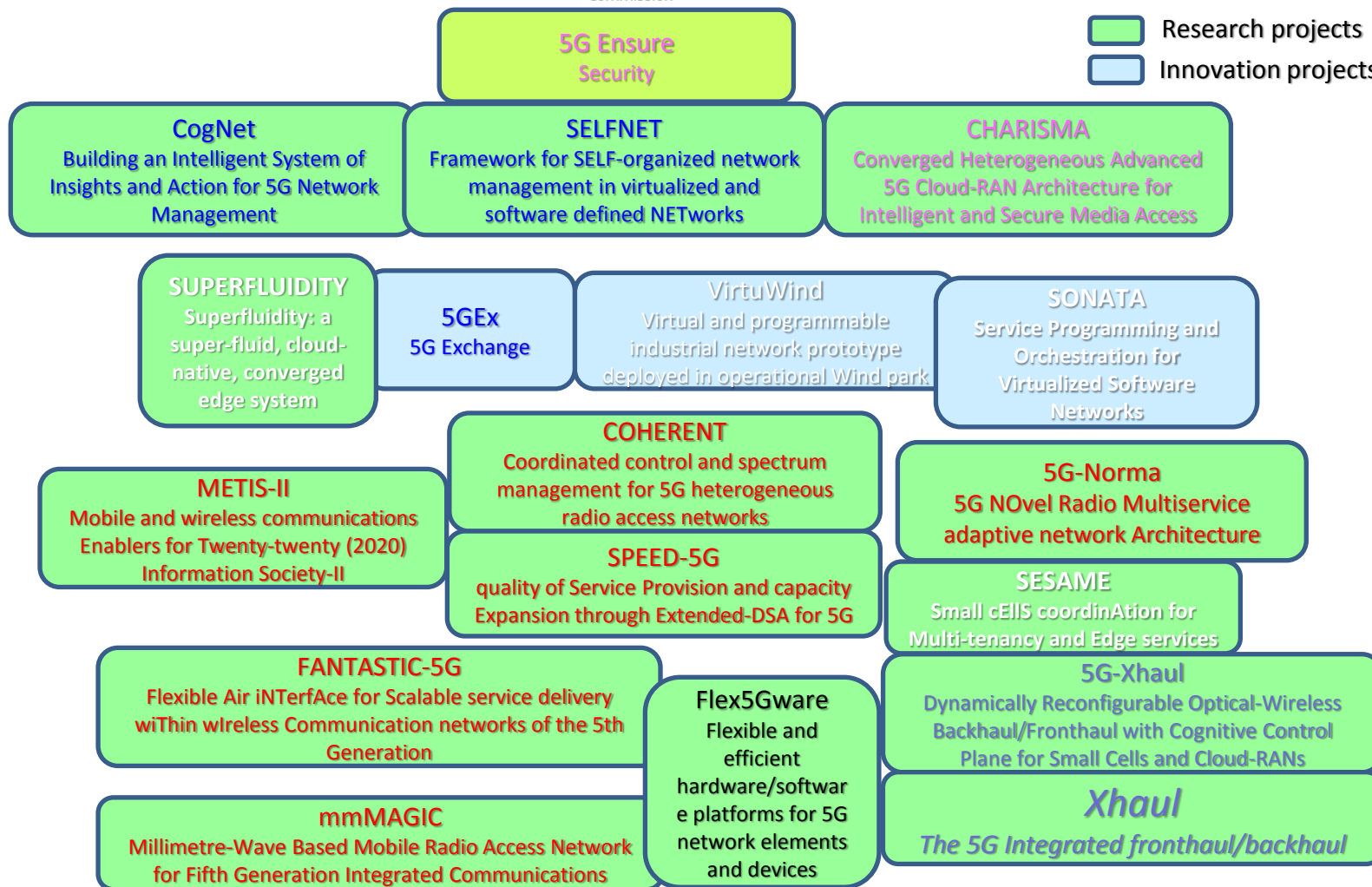
5G-PPP R&I Projects



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 Research projects
 Innovation projects



Launch: 1st of July 2015 www.5G-PPP.eu

5G R&I phase 2: 2017-2018+



Focus on Proof of Concepts, Experiments, Verticals Critical technologies and Systems (R&I)

- Radio Network and Architectures
- Optical Core
- SDN/NFV, architecture, net mgt;

Convergent technologies (Innov)

- Optical support to access
- Network apps
- Research cooperation in access nets

Some Issues and standardisation impacts



Visions and Vision perimeters

- From RAT's enhancements (new) to polymorphic networks, architectures

From limited to high verticals integration

- How to capture the requirements

Priority services?

- Socio economics, From specific innovations to economy digitisation at large

Timing

- Service introduction roadmaps

Innovation and openness

- Towards network as platforms for innovation, which bodies



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