



5G Public Private Partnership Context and Priorities

5G PPP Awareness & Information Day
28 May, Brussels

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Communication networks are essential

→ **5G PPP**: a Strategic initiative to reinforce EU competitiveness in this domain

→ Consolidating jobs

→ Industry driven

→ Holistic: telecoms + IT + micro elec + users..

→ Enabling novel applications

→ EU contribution to global 5G debate,
accelerating consensus (end 2015)



5G PPP in a Nutshell



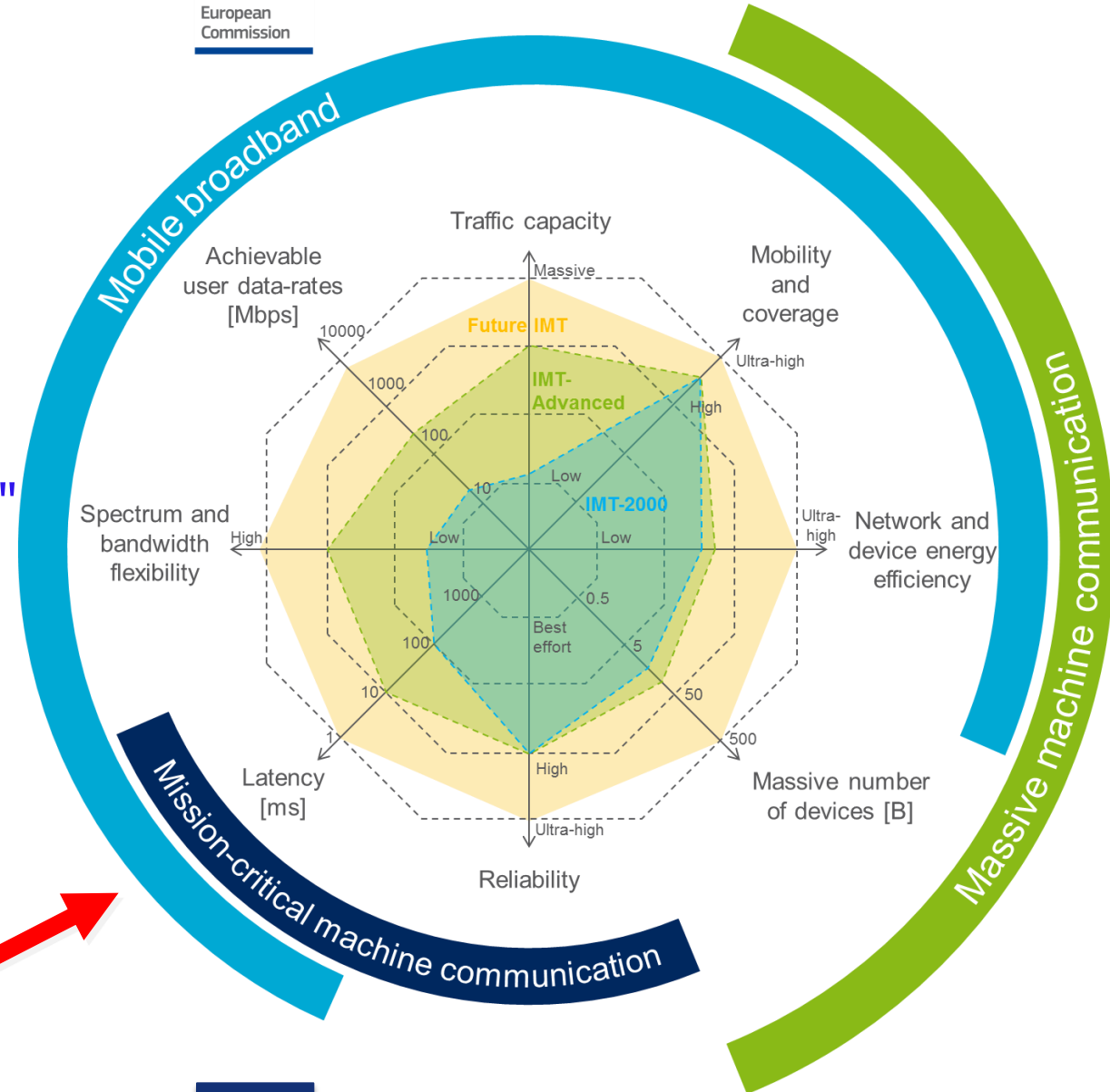
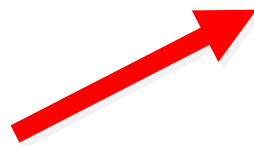
- Focus on **Communications infrastructure**, with a beyond 2020 time line
- Contractual Agreement signed with an **Association** representing the private side: <http://5g-ppp.eu/>
- **Strategic Research & Innovation Agenda** defined through **European Technology Platform: NetWorld2020.org**
- **EU commits budget up to €700 millions** for R&D&I funding for 5G between 2014 and 2020 (through Horizon 2020 programme)
- **Private Side** commits to **leveraging investments (X5)** and aiming at **agreed KPIs**
- **Beyond R&D: EU provides policy support** for 5G development (e.g. standardisation, spectrum planning, international consensus)

5 G Priorities & Drivers



- From IoT to U-HDTV, ubiquity;
- "Verticals" requirements
- Tactile Internet
- True ubiquitous "ABC" access
- Traffic growth (spectrum) and complexity
- Cost /energy

ITU PDNR
"IMT VISION"



Programme Aspects



- **Objectives:**

Achieve more than a group of standalone projects

Avoiding gaps

-> **Optimising project portfolio** but space for flexibility

-> You are part of a **Programme**

- **Ex Ante:**

➤ **Pre Structuring model:** a working methodology **worked out by the Association** as a tool to define optimised set of activities and their interfaces.

 ***Evaluation remains under full EC control***

- **Ex post:**

➤ **Contractual clause linking 5G PPP projects,** enabling easier knowledge and output sharing. As per FI-PPP model.



Projects to contribute to Association led Working groups:

- **WG 5G Vision** → towards 5G definition by end of 2015
- **WG pre standards/IPR**
- **WG spectrum (WRC 2018)**
- **WG Public Relations**
- **WG International coop**
- **WG societal**

Next steps: WP 2016-17; experiments..

Additional Information



- Constituency building event June, 26, Bologna, in the context of the EUCnC Conference

See <http://5g-ppp.eu/>

See <http://eucnc.eu/>

- ***Submission date 25 November 2014 (€125 million)***
- ***Projects start March-April 2015***



Main portal (grants, calls, Work progs...)

- http://ec.europa.eu/research/participants/portal/desktop/en/funding/reference_docs.html#h2020-work-programmes-2014-15-annexes

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5G in Digital Agenda Web site

<http://ec.europa.eu/digital-agenda/en/towards-5g>

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Thank You