



5G PPP Webinar

New 5G Core Technologies Innovation Projects



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Policy Context

President von der Leyen's

“it is not too late to **achieve technological sovereignty** in some critical technology areas”

Commission's strategy on Shaping Europe's Digital Future

- Europe should retain its technological and digital sovereignty and be the global digital leader
- European technological sovereignty starts from ensuring the integrity and resilience of our data infrastructure, networks and communications

Commission Communication on a New Industrial Strategy

- Climate neutrality and Digital leadership
- Europe has everything it takes to lead the digital technology race
- We must invest now if we want to be a frontrunner in 6G networks

“The EU will support the development of key enabling technologies that are strategically important for Europe's industrial future”

5G PPP Phase 3 – Call 2020

- Leverage previous results and 5G technologies towards downstream innovation
- Maintain a significant long-term commitment
- Contribute to building a first class European industrial supply side for core 5G technologies

***Bridging between 5G, B5G and 6G
From PPP to Smart Networks and Services***

Smart Networks and Services partnership

2 Pillars

- **R&I towards 6G** (under Horizon Europe)
- **Strategic Coordination of 5G deployment** (e.g. cross-border corridors under CEF2)

Develop lead markets, Support **technology sovereignty**

Address **Sustainable Development Goals**

Leverage connectivity towards **strategic value chains**, e.g. in the area of **cloud, IoT** as well as **components and devices**

Adoption of the regulation establishing JUs and publication of the first SNS Work Programme **estimated before end of 2021**

SNS value chain approach



ICT-42 Projects & Expectations



Innovation Actions

- Support to the emergence of a European offer for new **5G core technologies** at TRL 7 or beyond
- Emphasis on **new types of devices** with 5G connectivity for vertical industry sectors
- Beyond individual components - integration into 5G architecture
- Support to the emergence of new innovative market players
- Pilot validation => providing **opportunities for innovative high-tech start-ups or SME's**

CSA

- European **roadmap for hardware enabling technologies** supporting European strategic autonomy for connectivity platforms

Thank you



Political guidelines for the next Commission (2019-2024)

https://ec.europa.eu/commission/files/political-guidelines-new-commission_en

Shaping Europe's digital future

<https://ec.europa.eu/digital-single-market/en/content/european-digital-strategy>

5G Observatory

<https://5gobservatory.eu/>

Digital Partnerships webpage

https://ec.europa.eu/info/horizon-europe-next-research-and-innovation-framework-programme/european-partnerships-horizon-europe/candidates-digital-industry-and-space_en