



The voice of the European industry for the development, deployment and evolution of 5G

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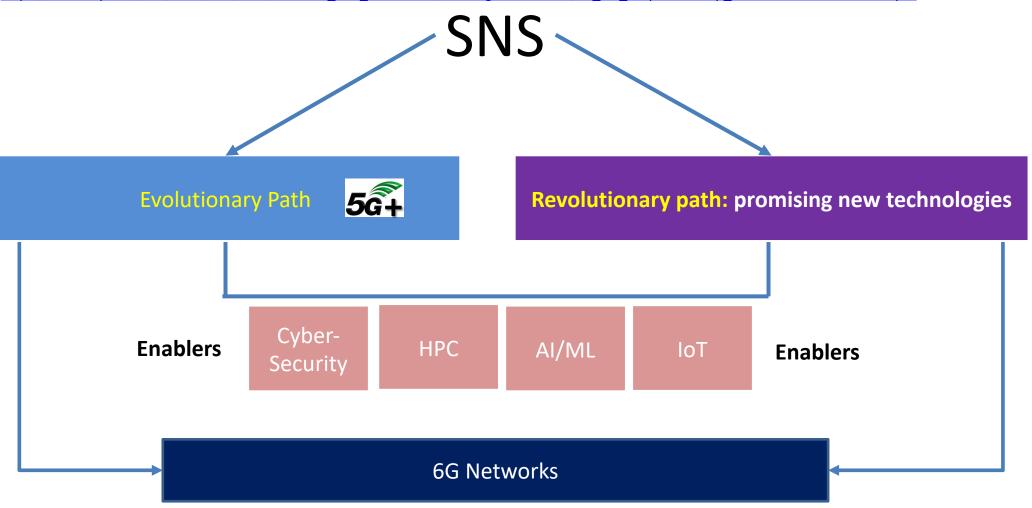
## The voice of the development, d

## The Smart Networks and Services approach



SNS proposal. June 30, 2020,

https://ec.europa.eu/info/sites/info/files/research and innovation/funding/documents/ec rtd he-partnership smart-networks-services.pdf

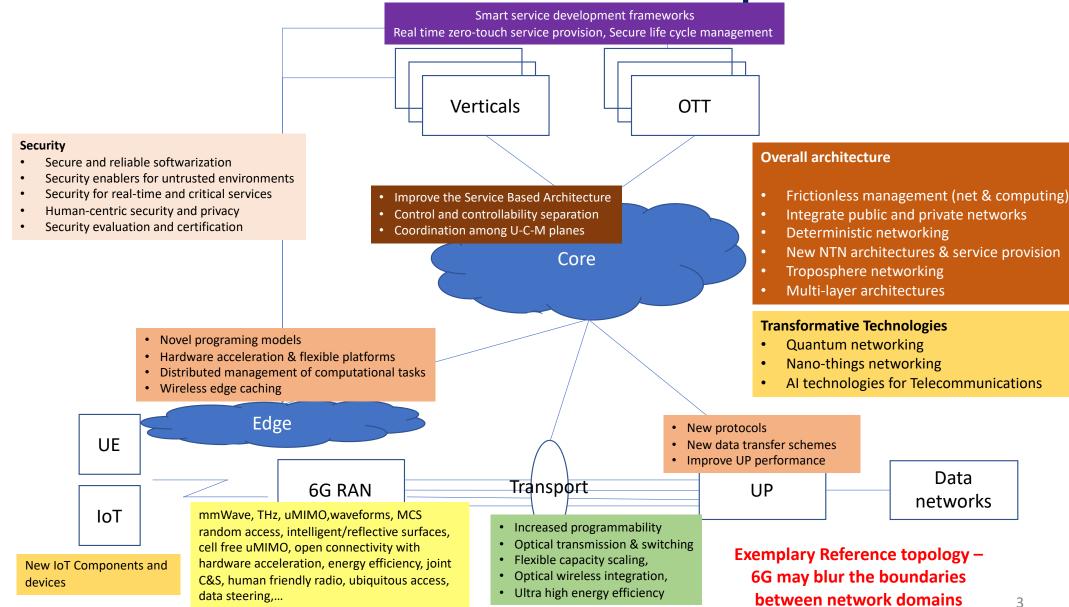


Increased Network Performance, Energy Efficiency, Serve EU policies, address KVIs, strengthen EU's position, stimulate new business ecosystems, ...

## **5** 1A

## **Indicative list of SNS related topics**





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## **SNS – ECS: Linking topics**



### **Indicative List**

Flexible hardware platforms supporting virtualization and programmability in a fully distributed edge environment, including hardware accelerators

Hardware acceleration for open connectivity solutions

Advanced fully distributed AI/ML solutions for network virtualization (cloud, deep edge, end devices,...)

Intelligent reflecting surfaces and large intelligent surface targeting cell-free mMIMO

Transceivers for higher spectral efficiency, improved power consumption, high density digital logic, chip-package-antenna co-design

Human friendly radio systems (handle increased density, higher frequency ranges, control EMF)

Self-powered and energy harvesting devices, ultra low power IoT, Tactile IoT, on-IoT device Al solutions

Nano-things networking (nano materials and non-network architecture components)



## The SNS Partnership



- Ongoing preparatory activities for the establishment of the SNS Partnership
- Expect announcement of the Work Programme: Nov/Dec 2021
- Stay tuned for information days and dedicated webinars
- Next public event SNS webinar for verticals: 30.09.21 @ 14:30 https://5g-ppp.eu/event/sns-webinar-for-verticals/
- More information for the SNS Partnership available at: <a href="https://5g-ia.eu/sns-horizon-europe/">https://5g-ia.eu/sns-horizon-europe/</a>



## Thank you for your attention!



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http://5g-ia.eu