GG SNS

A Future Europe with a Reinforced Technological Leadership

Dr. Colin Willcock 6G-IA Board Chair SNS JU Vice-chair ETSI Board Vice-chair

The Voice of European Industry and Research for Next Generation Networks and Services

Who We Are - What we represent



Strong contributors to EU economy:



- > € 210 Billion of European revenues (EU board Members)
- ➤ 420 Billion of European revenues (all EU industry members)
- More than 200 5G Network deployments in the world.

Focus on:

- advanced Networking Tech, systems
 - > EU industry competitiveness









An industry driven
Association of
~400 Members





- About 40% of Standard Essential Patents from 2G to 5G
- Leading the initiation of new Digital Markets, 5G and 6G for Verticals

Committed to collaborative research









Technological sovereignty for connectivity and services





Challenges



Intense competition for EU stakeholders on all fronts (commercial, standardization,...)

Challenging environment for monetization

Technological breakthroughs rapidly transforming the overall ICT environment

The enforcement of public policies is challenged by non-EU stakeholders

Supply chains are under reassessment (geopolitical tension)

Opportunities



Connectivity is a stronghold for Europe

Leverage to other ICT domains

MNOs have direct access to the end users (nearest link)

Natural enabler for advanced services

High quality and stable academic and research environment

EU Leadership in technology development

EU Leadership in technology development

First to deploy and use cutting edge technology

Europe currently has the best-structured R&D environment in terms of activities, diversity and resources globally

Is future investment needed in this sector?





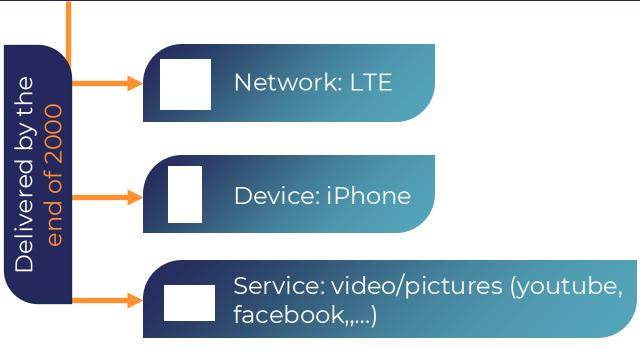
Important reminder



Progress does not always come fast It depends on various conditions

Mobile Internet as killer application was identified in mid 90s



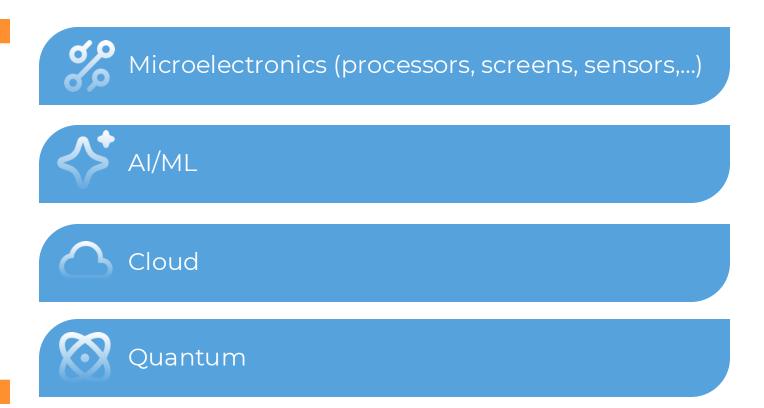


Current expectations



Breakthroughs in related technologies

Rapidly reshape end-devices, services and connectivity



The hard reality





Connectivity and services are technology aggregators (but cannot reach true potential if enablers are developed and delivered separately)

connectivity



Current R&D status in Europe



A successfully established R&D pan-European ecosystem that delivers results



Need: Integrated Implementation



Long term R&D

Experimental R&I

Pre-deployment

Integrate into one instrument to cover both supply and demand sides





Thanks for your attention!

Dr. Colin Willcock

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