



Panel: The 6G race

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Bernard Barani

Future Connectivity Systems

European Commission – DG CONNECT

6G R&I in Europe

5G PPP bridging phase



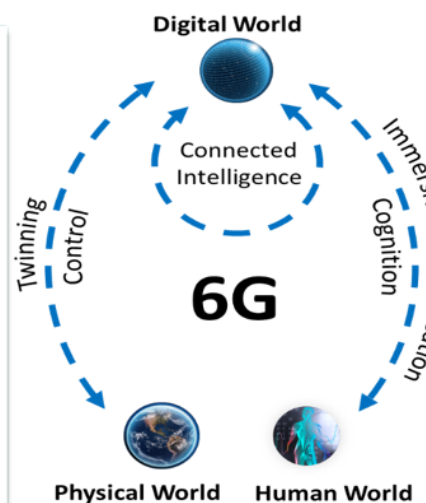
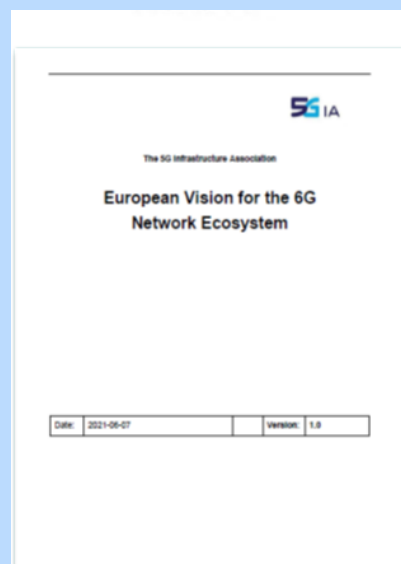
- The Hexa-X flagship + 9 6G exploratory projects = 65 M€



6GSNS

**Accelerating 5G Deployment
Connecting Europe Facility (CEF2)**

**6G Vision and R&I across the
broader supply chain**



Massive Digitisation:
representation

+

Connected Intelligence:
Awareness, RT status

+

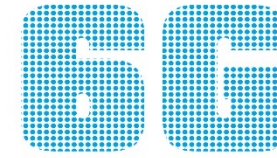
Network Compute Fabric:
Decision, action

**SNS as Vehicle
for International
Cooperation**

Current SNS Work Programme 2021-2022



Evolution



Stream A (RIA): Smart communication components, systems and networks for 5G mid-term Evolution systems

Radio:

Building Blocks and Systems

System and Security:

Secure Softwarisation
Real-time/ Zero touch
Services

Architecture:

Evolved Design
Advanced Cloud/Edge
Converged Optical Transport

Stream B (RIA): Research for radical technology advancement towards 6G

System
Architecture

Wireless Communication
Technology and Signal Processing

Cross Strand – "Flagship" Project(s)

Trustworthy and Secure
Service Development and
Provision

Communication
Infrastructure
Technologies

Stream D (IA): Large Scale SNS Trials and Pilots with Verticals

Stream C (RIA): SNS experimental infrastructures

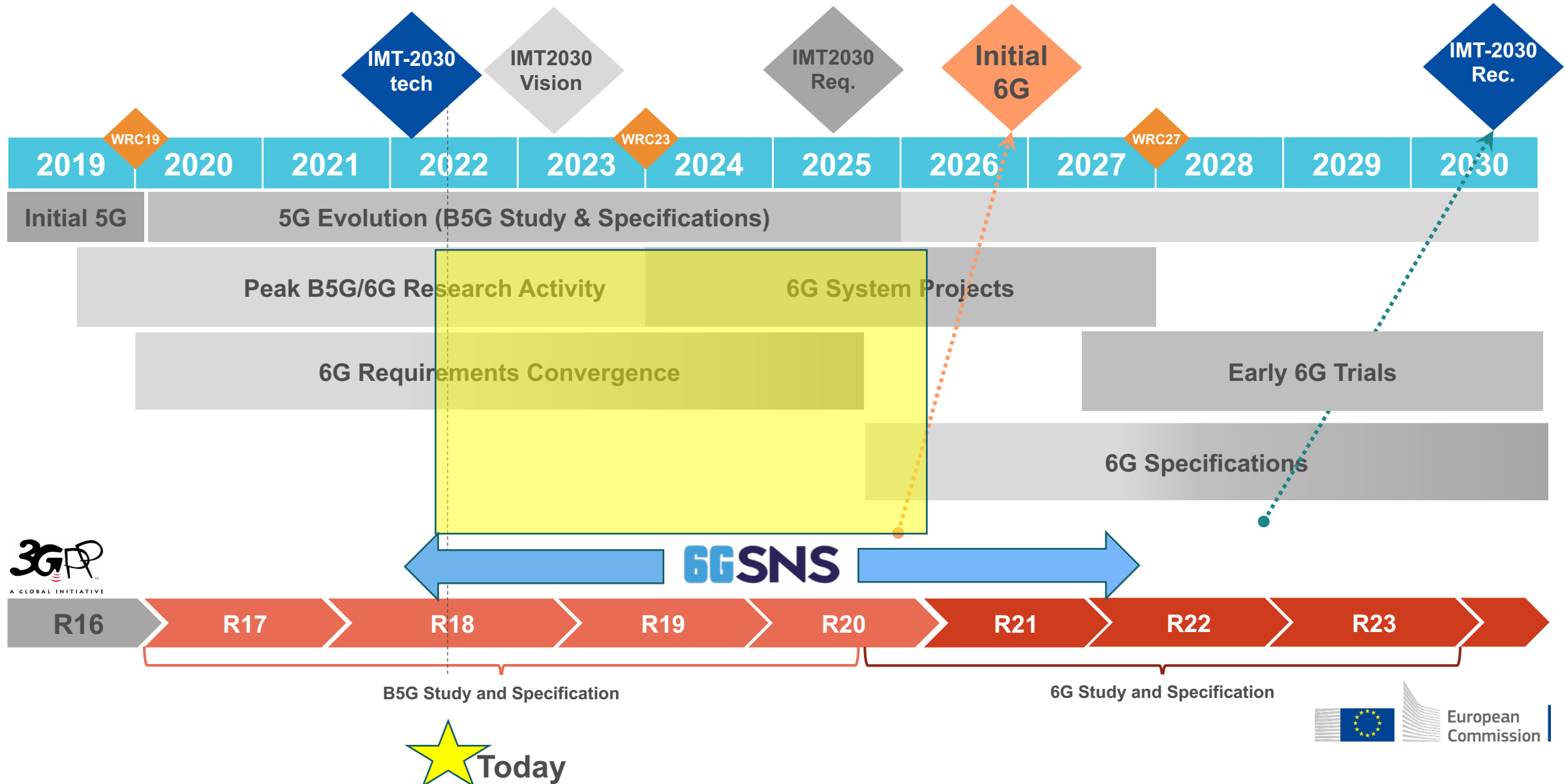
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Horizontal Issues: Sustainability,
Access, Affordability...



Work Programme 2023-2024 in preparation (dedicated convened session)

International cooperation: window of opportunity



Conclusion

6G Race may be a marathon

Concepts in the making ,early days.

Need to be prepared for fast evolutions

Early phases, International Cooperation helpful to reach global standards



Q/A

International co-operation aspects

Important in the context of:

- Future standards
- Preparation of scalable ecosystems
- Issues of common interest (sustainability, supply chains..)

Possible issues of common interest

- Test and trial infrastructures
- Platforms for ecosystem creation, “SW 6G”
- Dedicated technologies
- Specific horizontal issues, security, energy efficiency..
- Others?