Smart Networks and Services Work Programme

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

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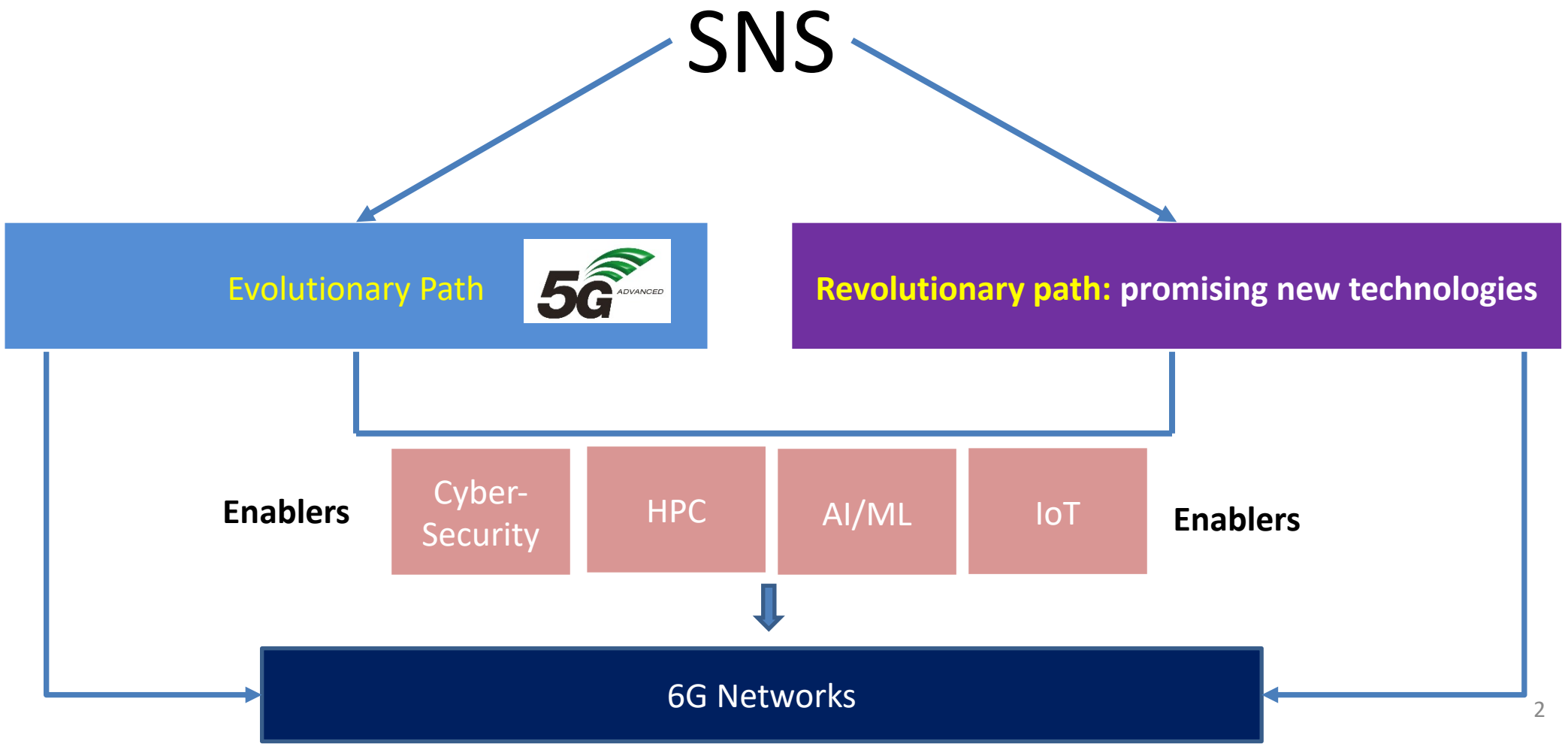
The SNS framework

SNS Goals: Increased Network Performance, Energy Efficiency, Serve EU policies, address KVIs, strengthen EU's position, stimulate new business ecosystems, …



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SNS R&I WP

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5G Evolution (40%) → evolutionary path

Stream A (7 projects): Smart communication components, systems and networks for 5G mid-term Evolution systems

Stream D (3-4 projects): Large Scale SNS Trials and Pilots with Verticals

6G (60%) → revolutionary path

Stream B (19 projects): Research for revolutionary technology advancement towards 6G & Flagship project

Stream C (3-5 projects): SNS experimental infrastructures

CSAs – 2 projects

SNS Roadmap

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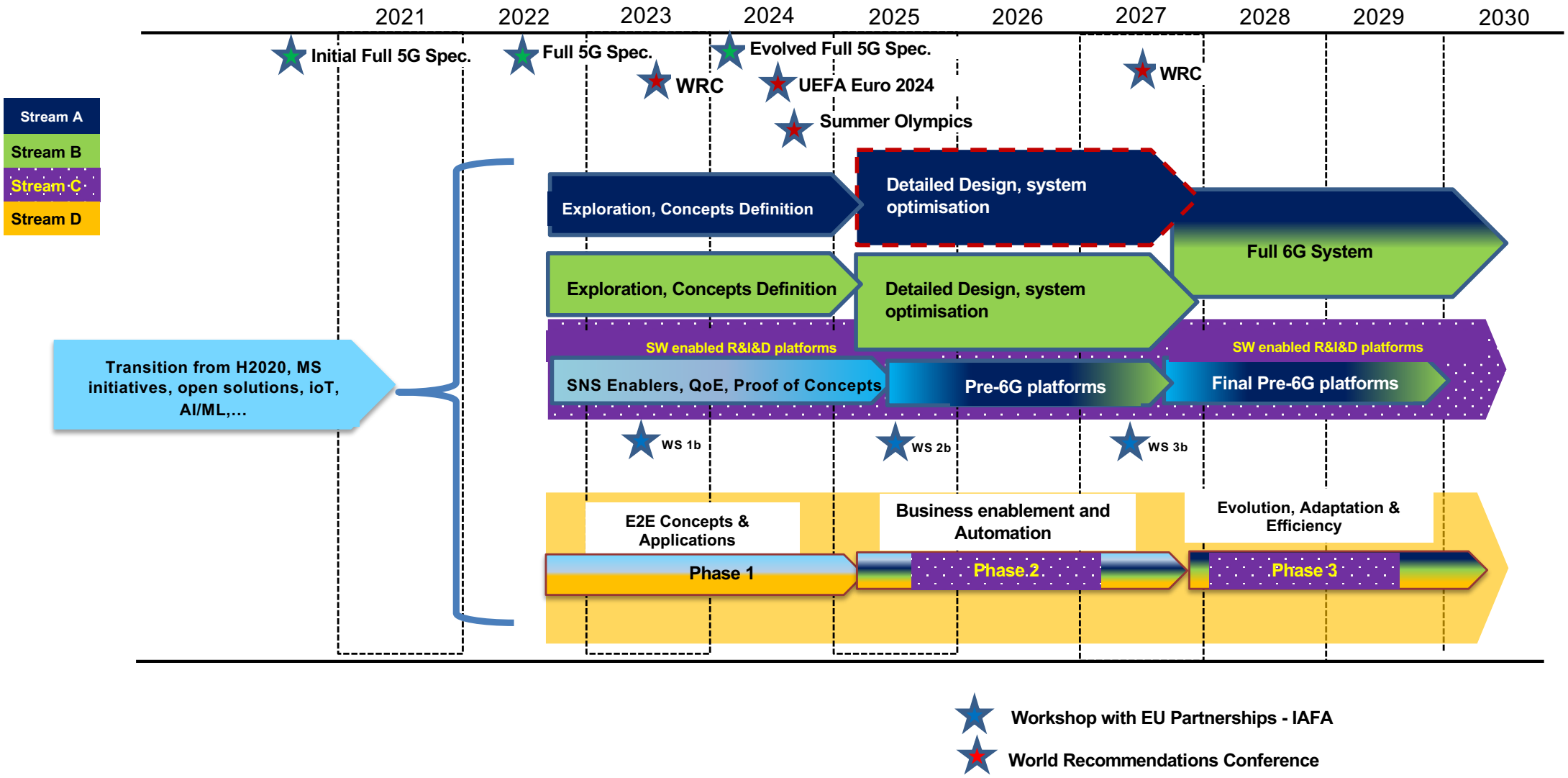

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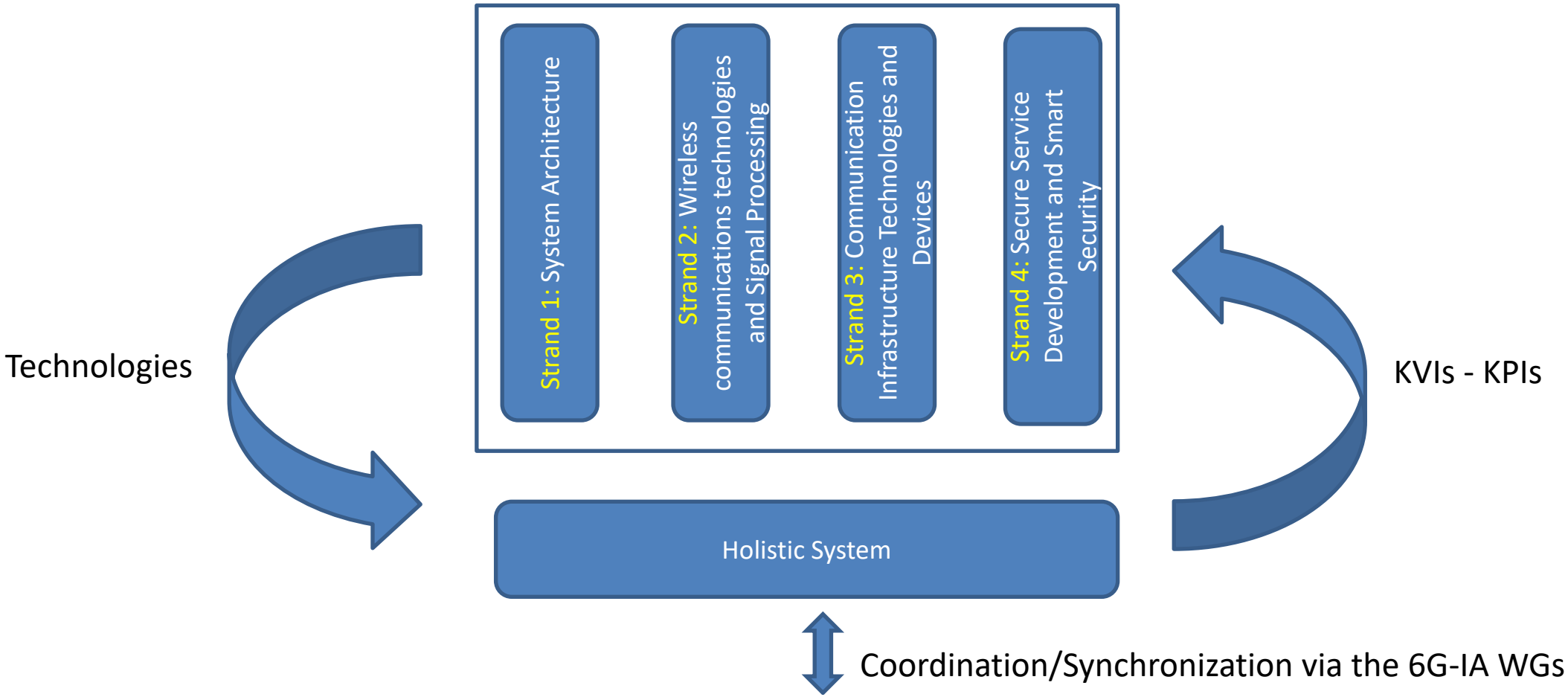
Stream A: 5G Evolution - RIA

- Green radio technology
- Ubiquitous radio access
- Sustainable capacity networks
- Evolved architecture for global green systems
- Edge computing evolution
- Trustworthy and Reliable end-to-end connectivity software platforms
- Real-time Zero-touch service technologies

Stream B: Research Foundations for 6G -RIA

Implementation concept: guarantee minimal funding for each one of the main areas.

Provide the **research foundations for low TRL technology** advancement in preparation for the upcoming 6G networks



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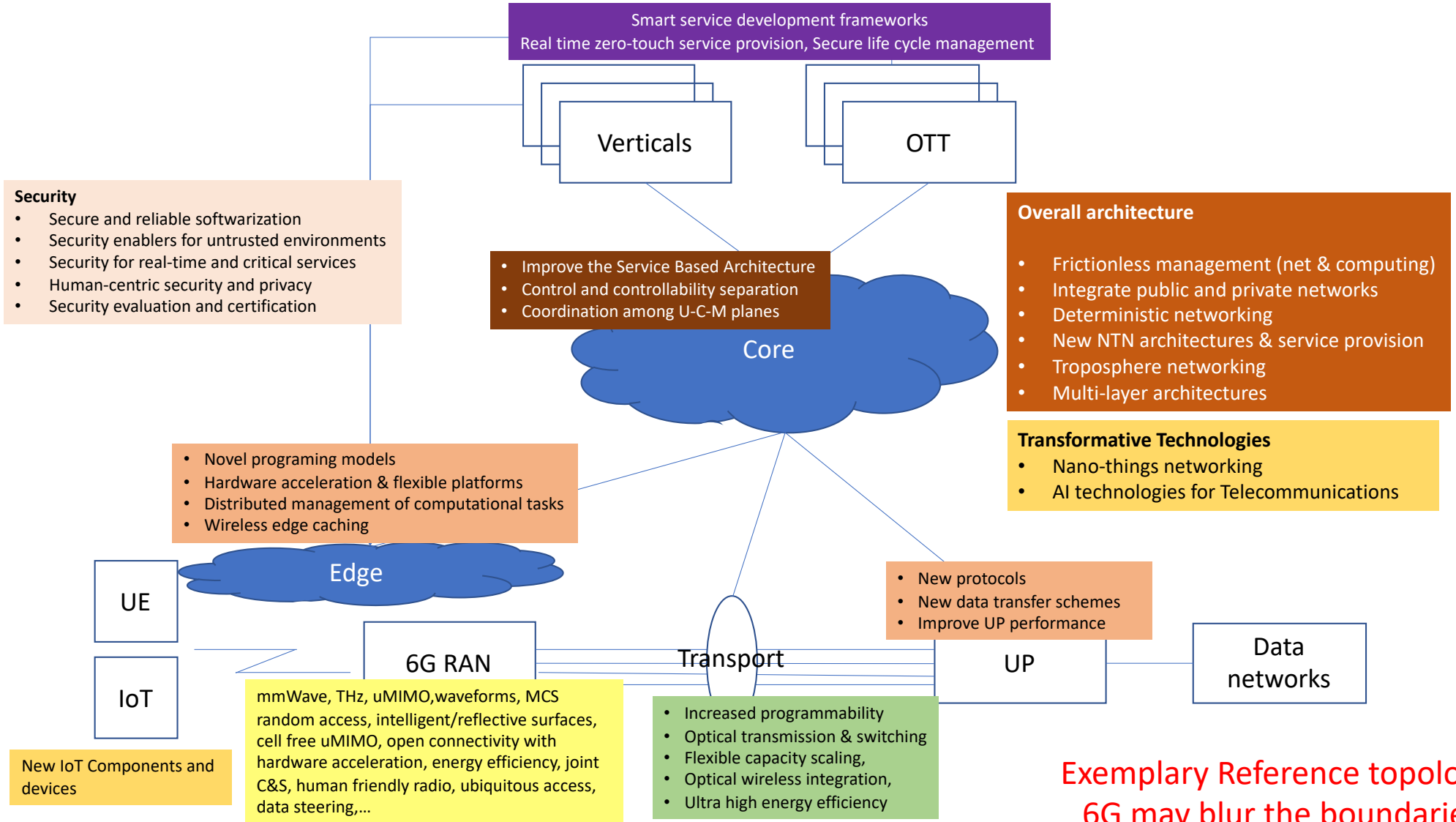
The first SNS Work Programme - A high-level view



Exemplary Reference topology domain – 6G may blur the boundaries between network domains

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