HORIZON-JU-SNS-2025-01
QUEST 6G



SNS JU presentation, October 19th, 2026

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Funded by the European Union

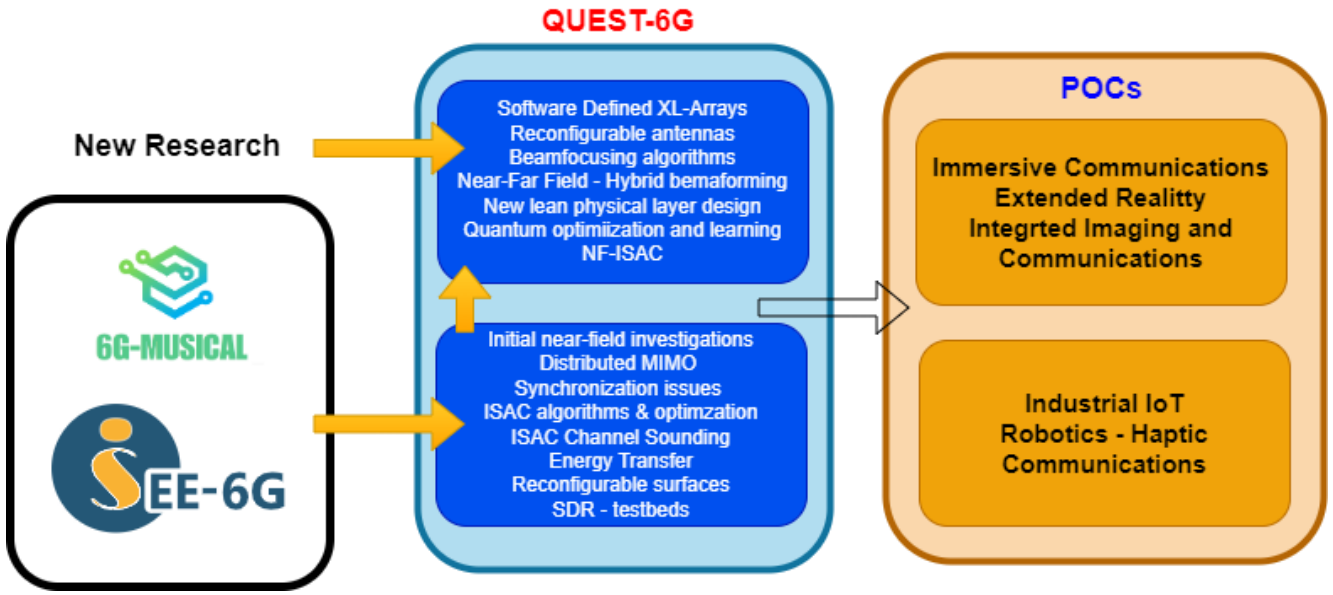
QUEST 6G project has received funding under grant agreement No 101292676.

Overview

1. QUEST-6G is aiming to develop a transformative 6G Radio Access Network (RAN) architecture that combines integrates advanced wireless communications, sensing, artificial intelligence, and quantum technologies into a unified framework.

2. The project combines enabling technologies, XL-MIMO, cell-free distributed MIMO, FR3 communications, BFICs, near-field communications, ISAC, RIS, AI/ML and Generative AI, and quantum optimisation techniques.

3. The overall goal is to create a multifunctional, intelligent, energy-efficient, and highly adaptive 6G network capable of supporting communications, sensing, wireless power transfer, and security simultaneously

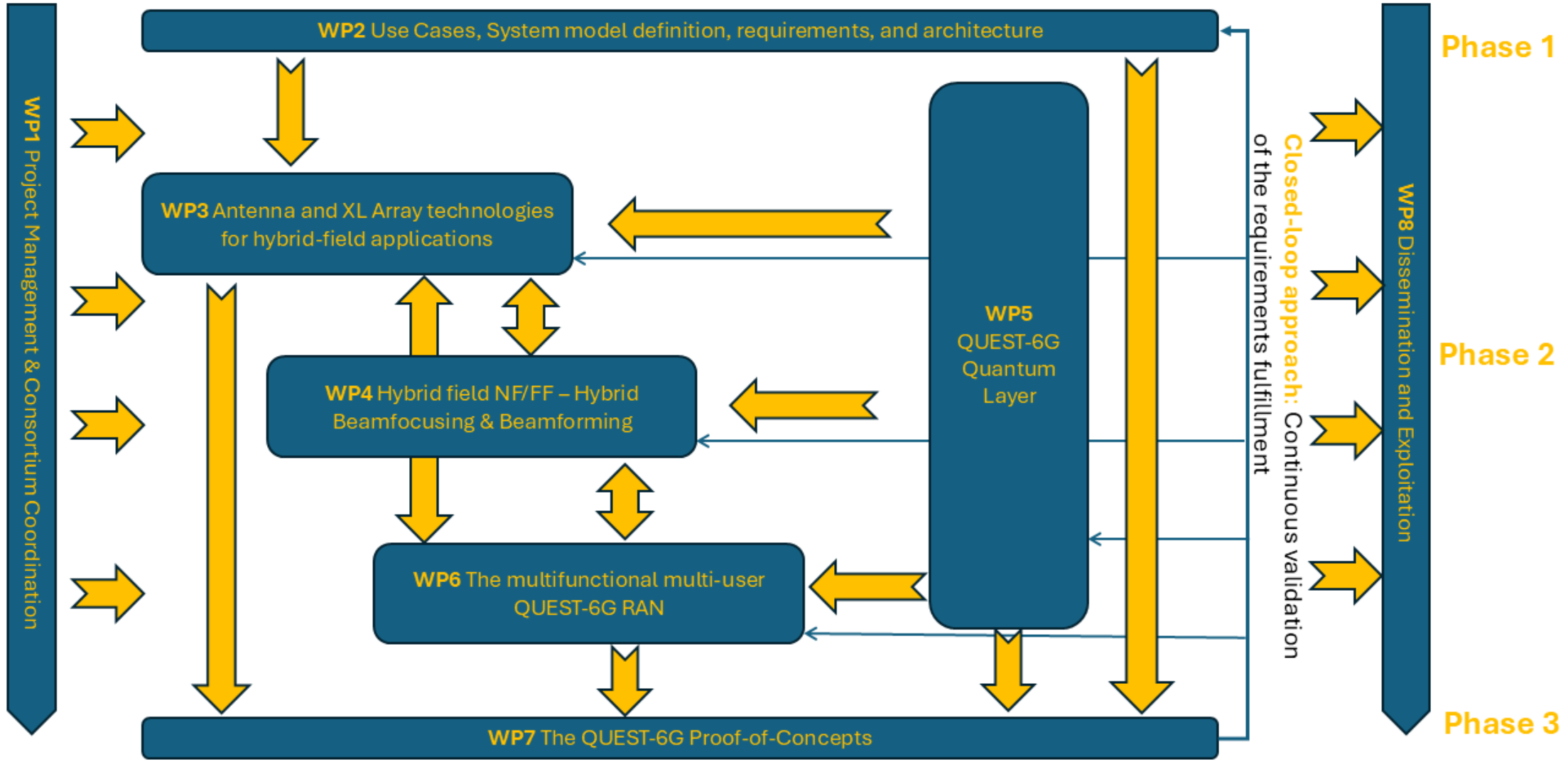


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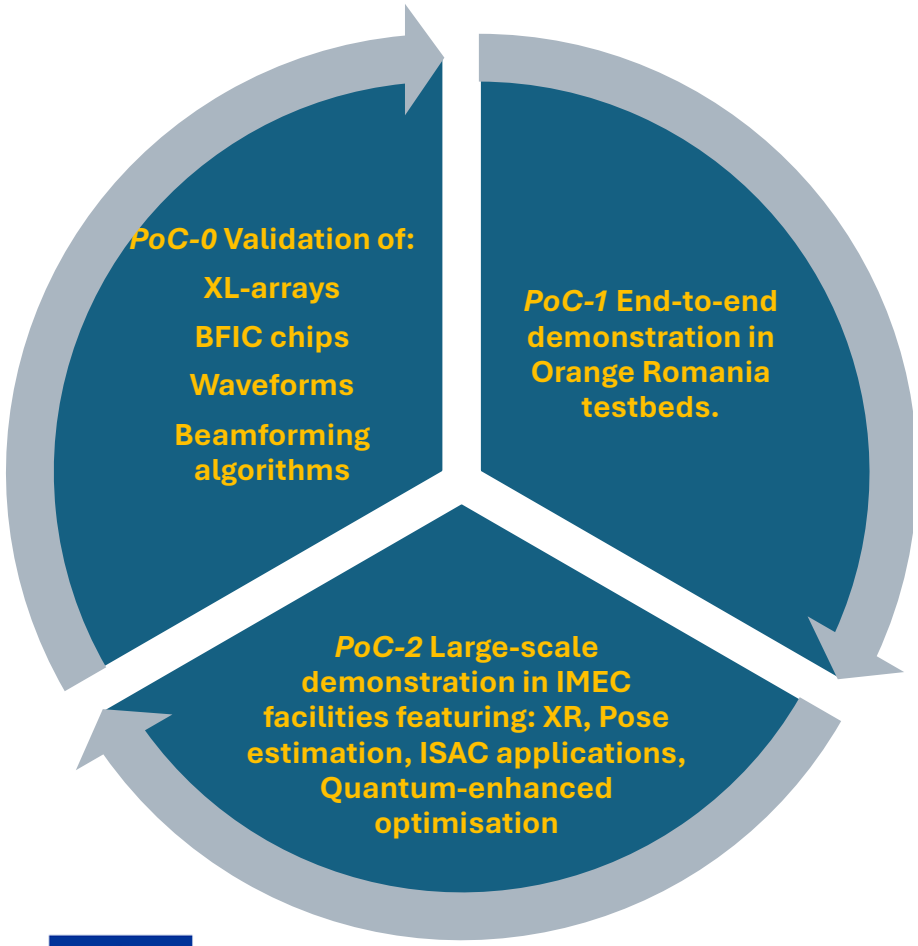
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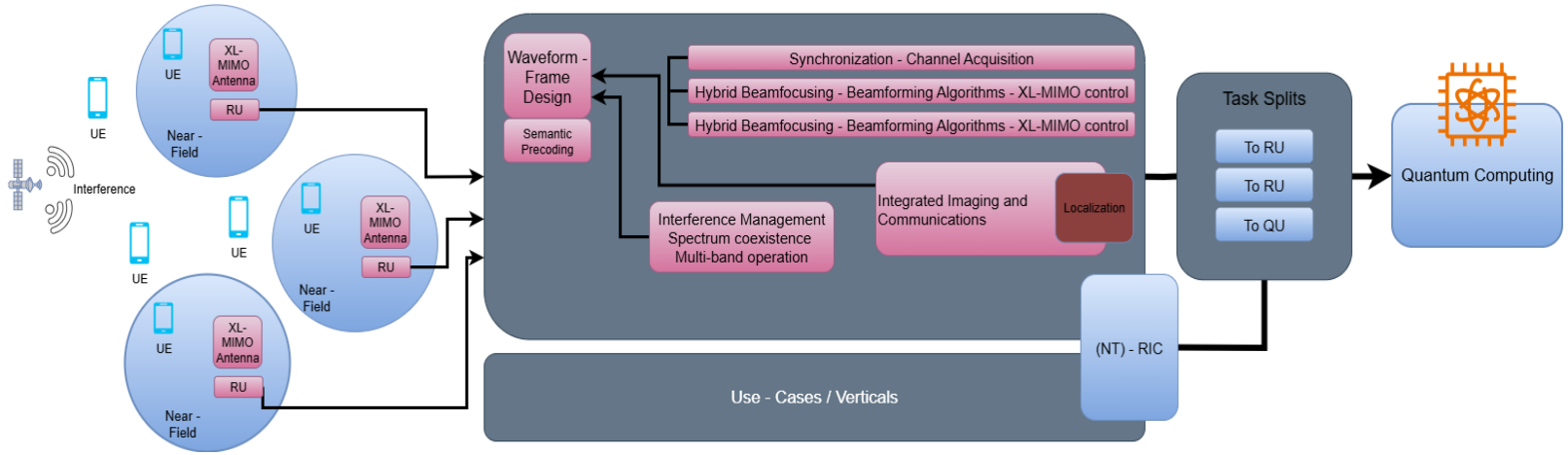
Project Structure



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The QUEST-6G Proof-of-Concepts





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