

How and when will 6G emerge from 5G? Milestones and next steps: How can Europe stay ahead in the 6G race?

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Abstracts

Unlike other sectors of the digital economy, Europe is one of the world's market leaders in telecommunications equipment. Thanks to world-class companies, innovative research project platforms and diverse vertical industry ecosystems, Europe has a decisive influence on shaping the future of mobile communications.

As 5G becomes mainstream, the sixth generation of mobile communications (6G) is already on the horizon. Research and development programs are being launched worldwide, and the standardization of 6G is being debated in international forums.

Europe must aspire to maintain its leading position in mobile telecommunications. In a world where geopolitical tensions interfere with economic decisions, it is crucial for the continent to adopt a strategy that enables it to maintain a leading position. To achieve this, Europe must continue to focus on the dynamics of innovation.

This report provides an overview on the transition from 5G to 6G, covering various aspects:

Digital sovereignty

Spectrum resources

6G technology capabilities and market drivers

Europe's technological sovereignty in 6G

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