

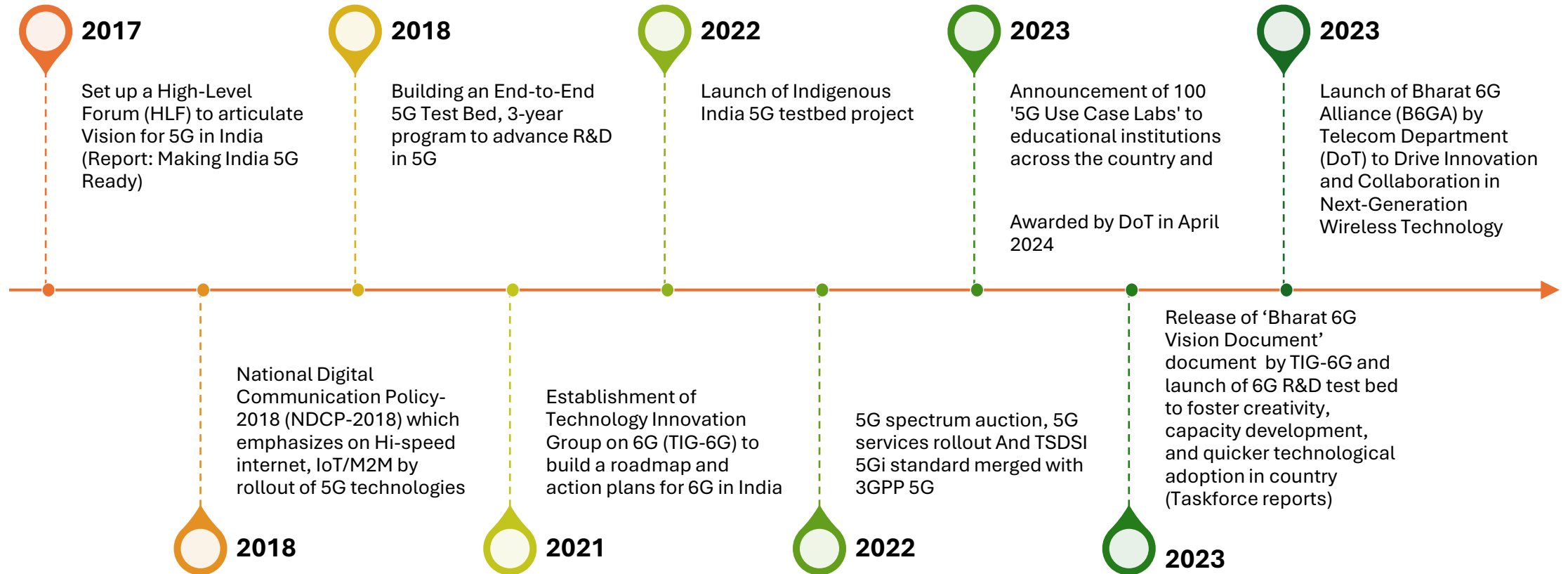


BRICS Urban Future Forum 2024

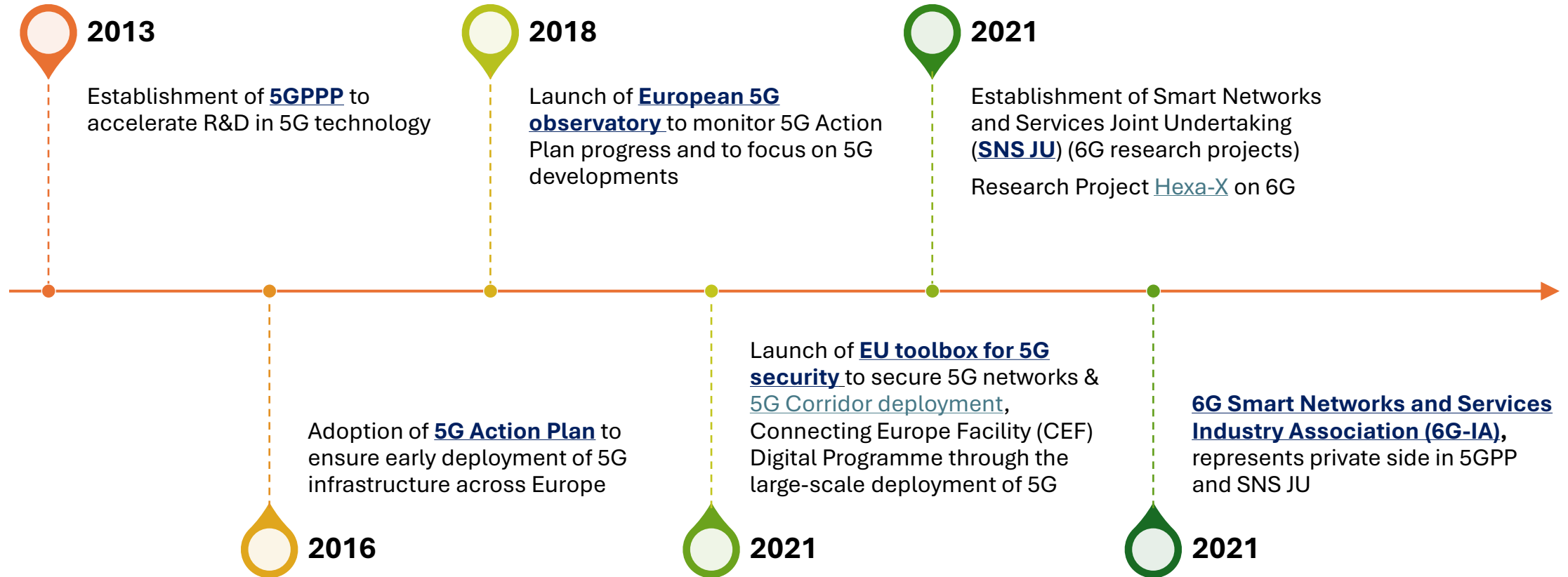
Topic: Spreading the Net. The Future of Telecom



Journey of 5G/6G in India till now



Journey of 5G/6G in Europe till now



Comparison of 5G rollout in India and Europe

Table: Comparison of 5G rollout in India and Europe		
	India	Europe
5G Mode	NSA/SA	NSA/SA
Approximate number of 5G base stations	448,700 (as of June 2024, Source: ET Telecom)	460,000 (as of June 2024, Source: European 5G scoreboard)
5G subscribers	119 million (as of Dec 2023, Source: Ericsson) 840 million (by 2029, Source: Ericsson)	223 million (as of June 2024, Source: European 5G scoreboard)

Key Differences in Approach and Progress

- Both Europe and India are positioning their R&D efforts to ensure their digital infrastructures can meet the demands of future industries, with a common focus on secure, sustainable, and inclusive technologies.
- Both regions are targeting widespread 5G coverage, but their differing economic, political, and regulatory contexts influence the pace and strategy of deployment.
- Speed of Deployment:
 - Europe, having started its 5G journey earlier, is ahead of India in terms of overall coverage and deployment.
 - India, however, is catching up quickly with aggressive government support and operator investment.
- Spectrum Allocation:
 - Europe has largely completed the spectrum auctions needed for 5G, while India has only auctioned its first major spectrum blocks.
 - Europe's approach has been more fragmented due to varying regulations across member states, whereas India's central government has streamlined spectrum allocation.
- Government Involvement:
 - India's government has taken a more active role in pushing 5G deployment, particularly for rural and underdeveloped regions, which contrasts with Europe's market-driven approach.
 - India is focusing on affordable digital access with possible indigenous technologies, while Europe is emphasizing security, vendor diversification, and industrial 5G applications.



Thank you!

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