

6G FOR ENHANCED COMMUNICATIONS & 6G FOR BEYOND COMMUNICATIONS

6G

Space Business Forum | 6G Bridge
Topical International Activities – 17 June 2024

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International Astronautical Congress (IAC)

- The 75th International Astronautical Congress (IAC).
- 14.-18.10.2024, Allianz MiCo, Milan Congress Centre, Piazzale Carlo Magno 1, Milan.
- “Responsible Space for Sustainability” with expected 8,000 experts.
- **The Finland Pavilion Exhibitor Package** includes, e.g. space reservation, space rent, and contacts with the organizer; stand design for all exhibitors to show the final layout; stand construction and dismantling, wooden-built joint, carpeted floor, stage, open meeting area, Finland branding; company logo on your wall and a screen to show video material (print ready graphic files for logo provided by the exhibitor); podium with company logo and lockable door, company logo on wall, a 42” screen.

OSAKA WORLD EXPO 2025

Digital Transformation Day

- Finland leading the connectivity and 6G development
- Finland creates pioneering digital solutions to increase the resilience and security of societies of the future
- Supercomputers and quantum technologies as global problem solvers – expertise comes from Finland

Why to participate

- For companies, Expo provides a unique platform representing 160 countries, 28 million visitors, and a network of global major companies and organizations.

Three pillars that reshape the digital economy



Artificial intelligence (AI)

\$7 trillion increase in global GDP
1.5% productivity growth in a decade (*)

(*) Goldman Sachs Research



Cloud

Distributed cloud deployments
Power of cloud continuum



Connectivity

Networks to be the central force enabling
the potential of AI & Cloud



Internet
of value



AI



API
economy



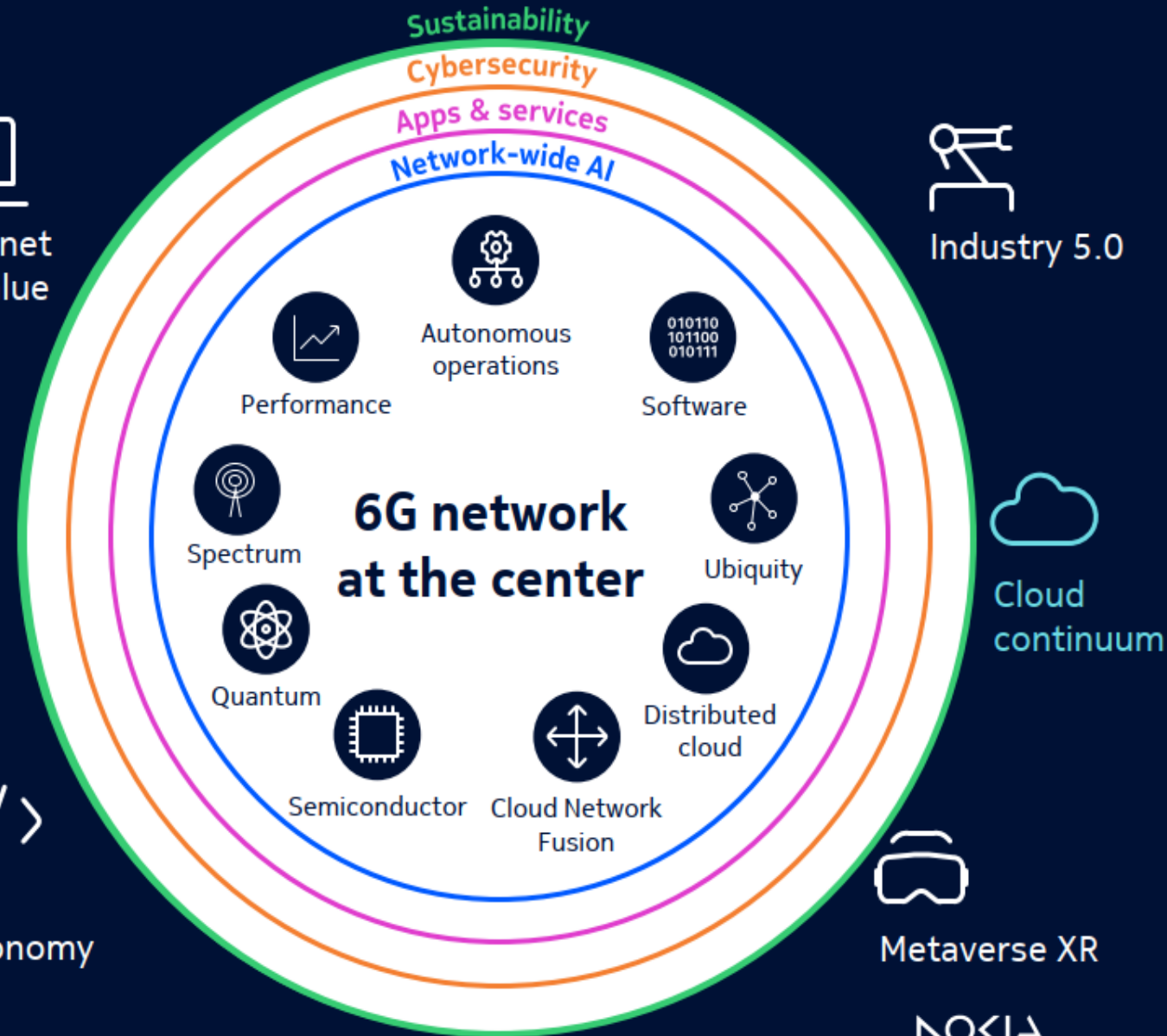
Industry 5.0



Cloud
continuum



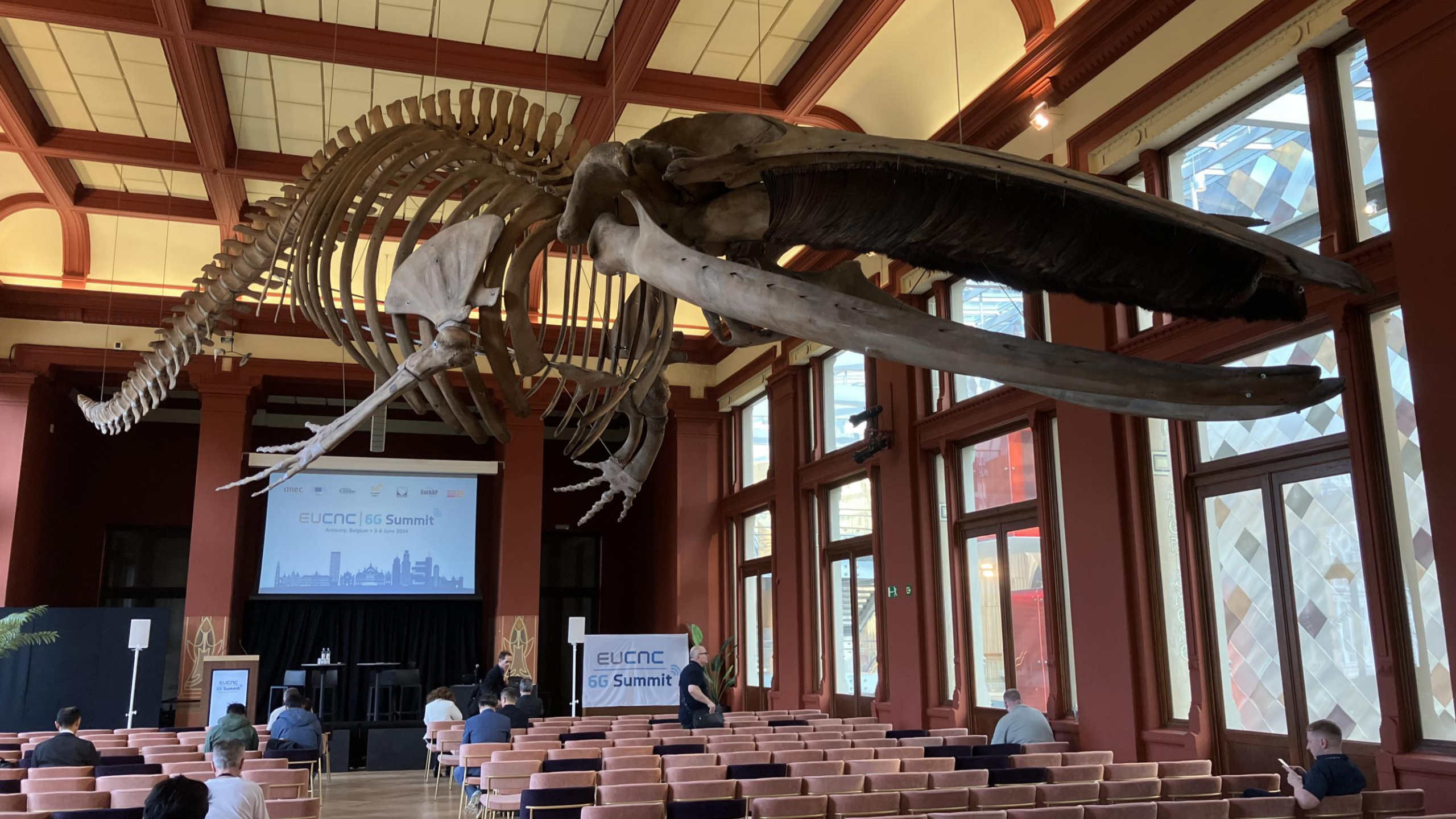
Metaverse XR



NOKIA
BELL
LABS

BUSINESS
FINLAND





umec
EUCNC | 6G Summit
Antwerp, Belgium • 3-4 June 2024

EUCNC
6G Summit

Zoo Antwerpen in Action



Network Trends and Challenges

- Network softwarization will continue to evolve:
 - SW-defined architectures / E2E slicing
 - > SW-defined networking systems with intelligent software agents across the entire network
- Network challenges:
 - Complexity**
Inter-operability, Layers of automation, Unresolvable paradoxes
 - Systemic requirements**
 - AI (Difficult knowledge sharing)
 - Internet of Value (Single stakeholder)
 - API Economy (Static services)
 - Cloud continuum (Network-compute isolation)
 - Industry 5.0 (Network and applications not linked)

RF, O or Both for High Throughput Needs?

		<i>RF-ISL</i>	<i>O-ISL</i>	<i>H-ISL</i>
<i>Comms</i>	Range	Long	Long	Long
	Connectivity	Directional	Directional	Omnidirectional & directional
	Data rate	High	High	High and low

6G Bridge – Homepage & Newsletters

