



# ETSI Conference on Non-Terrestrial Networks, A Native Component of 6G

## Space for 5G/6G

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**22 Member States**  
**5 Associate Members**  
**including Canada**  
**4 Cooperating Members**

**5 500+**  
ESA Workforce  
**85+ missions**

**€ 7.08 billion budget per year**



# 5G/6G TN/NTN: Impact

**\$ 13.2 trillion**

*Annual Global Economic benefit  
5G/6G output by 2035 (IHS Markit)*

**\$ 530 billion**

*Benefit from NTN 5G/6G*

**UNIVERSAL**

5G/6G enables an inclusive, sustainable  
and competitive global economy



# ESA SPACE FOR 5G and 6G



Underpins the  
Digital Economy

Seamless

Improves  
your daily life

EXPAND  
5G SPACE

Ubiquitous

Inspires  
future generations

Resilient

A WORLD WHERE SPACE ENABLES GLOBAL SEAMLESS  
CONNECTIVITY FOR INDUSTRY AND SOCIETY



# The Way to 6G



Direct-to-Device

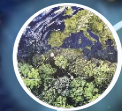


Next Generation  
Connected People



Joint  
Communication &  
Sensing (JCAS)

Climate



STM



Sustainability



Automotive



Next Generation  
Mobility

Healthcare



XR &  
Industrial  
Metaverse

Spectrum



Multi-Orbit  
Network

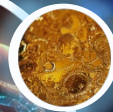


6G IOL

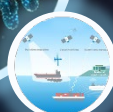


3D Networks

Spectrum  
Management



Fleet  
Operation



AI



Standardization

# 5G/6G Hub tour





6G SNS

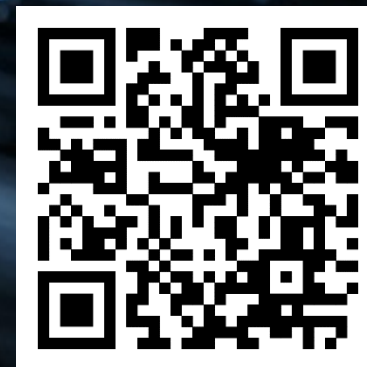
6G SNS  
IA



# Thank you.

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