

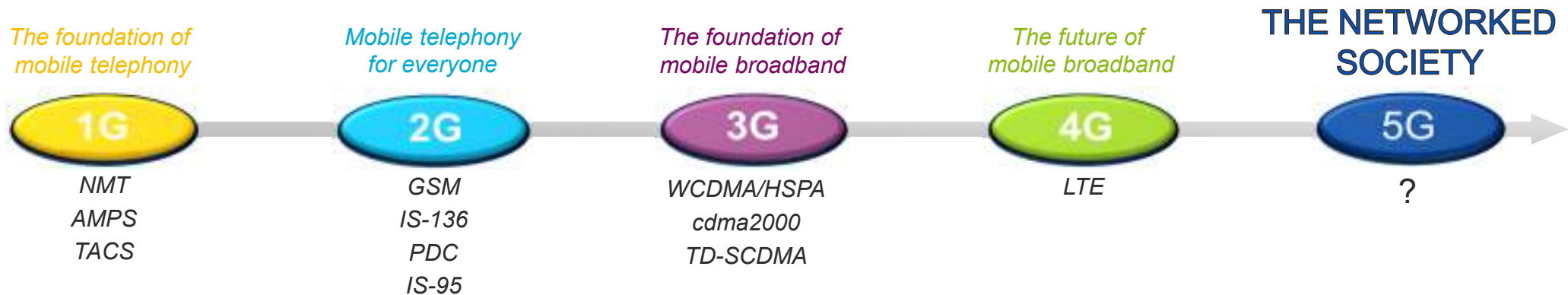


COLLABORATIVE RESEARCH TO ENABLE THE NETWORKED SOCIETY

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WIRELESS ACCESS TECHNOLOGY

TODAY ... AND IN THE FUTURE



THE NETWORKED SOCIETY

IN THE NETWORKED SOCIETY PEOPLE,
KNOWLEDGE, DEVICES, AND INFORMATION
ARE NETWORKED FOR THE GROWTH
OF SOCIETY, LIFE, AND BUSINESS



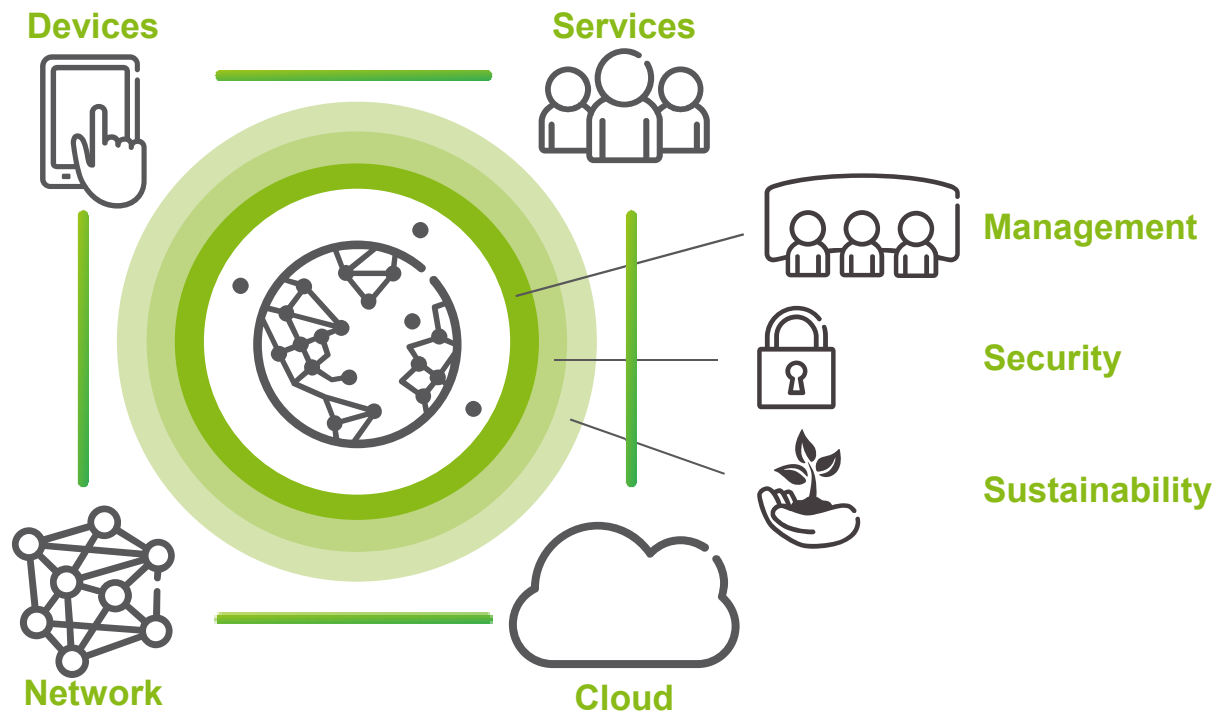
THE NETWORKED SOCIETY



*Unlimiting access to information and sharing of data
anywhere and anytime for anyone and anything*

Anything can be connected!

THE NETWORKED SOCIETY



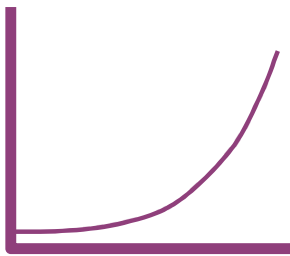
Wireless Connectivity
is key

FUTURE WIRELESS ACCESS

KEY CHALLENGES



Massive growth in Traffic Volume



“1000x and beyond”

Massive growth in Connected Devices



“50 billion devices”

Wide range of Requirements & Characteristics

- Data rates
- Latency
- Reliability/availability
- Security
- Device energy consumption
- Device cost
-



Affordable and sustainable

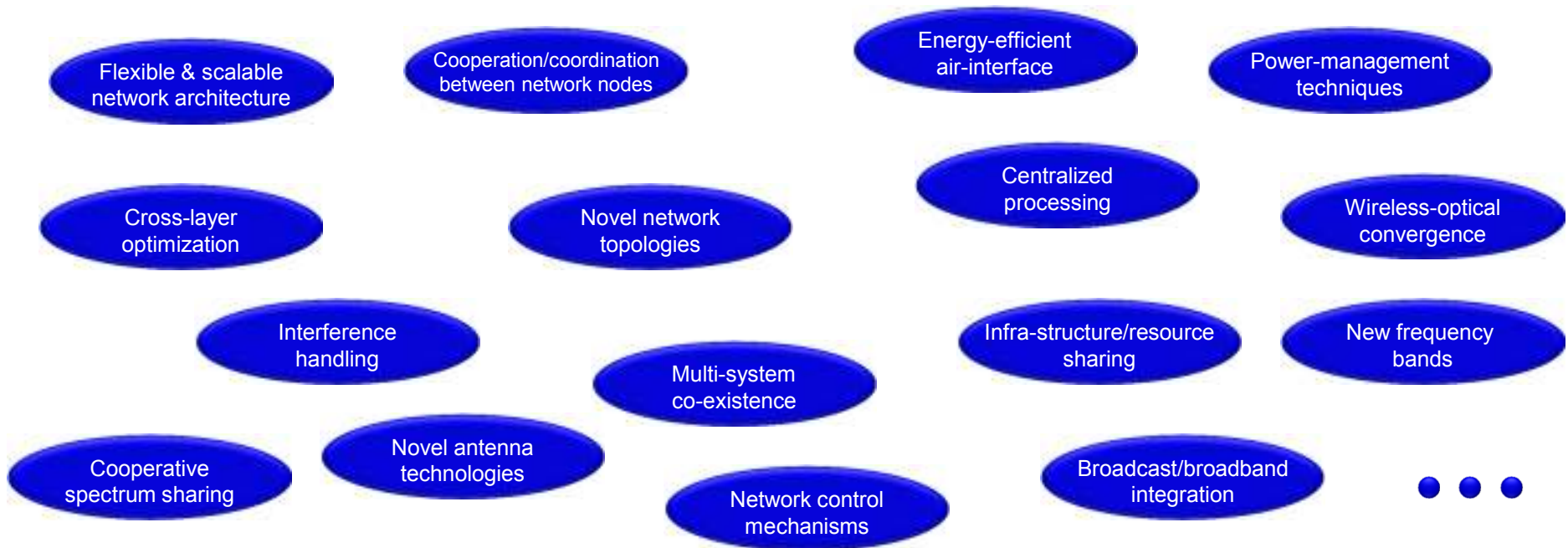


TO REALIZE THE VISION OF THE NETWORKED SOCIETY WE NEED ...



- › ... an extremely flexible overall wireless access solution ...
- › ... tightly integrating different radio-access technologies ...
- › ... jointly supporting an extreme range of service requirements and characteristics ...
- › ... being able to operate over a wide range of spectrum under different conditions ...
- › ... in a cost-efficient and sustainable way

SOME RESEARCH AREAS



SOME EU-SPONSORED PROJECTS

... AND THEIR IMPACT ON MOBILE COMMUNICATION

