Chiara Mazzone Pavlos Fournogerakis

6G Societal Acceptance and Sustainability

SNS JU office

9

Smart Networks and Services Joint Undertaking (SNS JU) is **EU's 6G Research and Innovation Programme**

Smart Networks and Services Joint Undertaking

JU Members

European Commission | 6G SNS IA

- **Representation of Private & Public Sector (50/50)**
- Governing Board: Strategic orientation and roadmap
- Long term commitment (planning and implementation)

Total Funding
1.8 Billion €
2022-27

States Representatives Group

Chair

Vice-Chair

2024

- **Synergies with national investments and 6G R&I plans**, through a coordinated approach.
- Consultation and Strategic Guidance.
- Strategic coordination of EU piloting and deployment initiatives

Stakeholders Group

5GAA · 5GACIA · ETSI
ECS · NETWORLD EUROPE · Aeneas

- **Synergies with other partnerships and associations**
- Advisory body

Governance structure

International Partnerships

- **Cooperation in mutually relevant domains**
- Associated Countries / multilateral participation
- Long term collaborative cross-roadmaps possible

Responsible research that considers **environmental footprint** and **societal impact**

Ensure that societal, environmental and economic values are embedded by design into the development of 6G, bringing a sustainability and societal perspective to technological development.

Europe's 6G vision is based on Sustainability
KVIs will be a key toolset for assessing ICT Impact
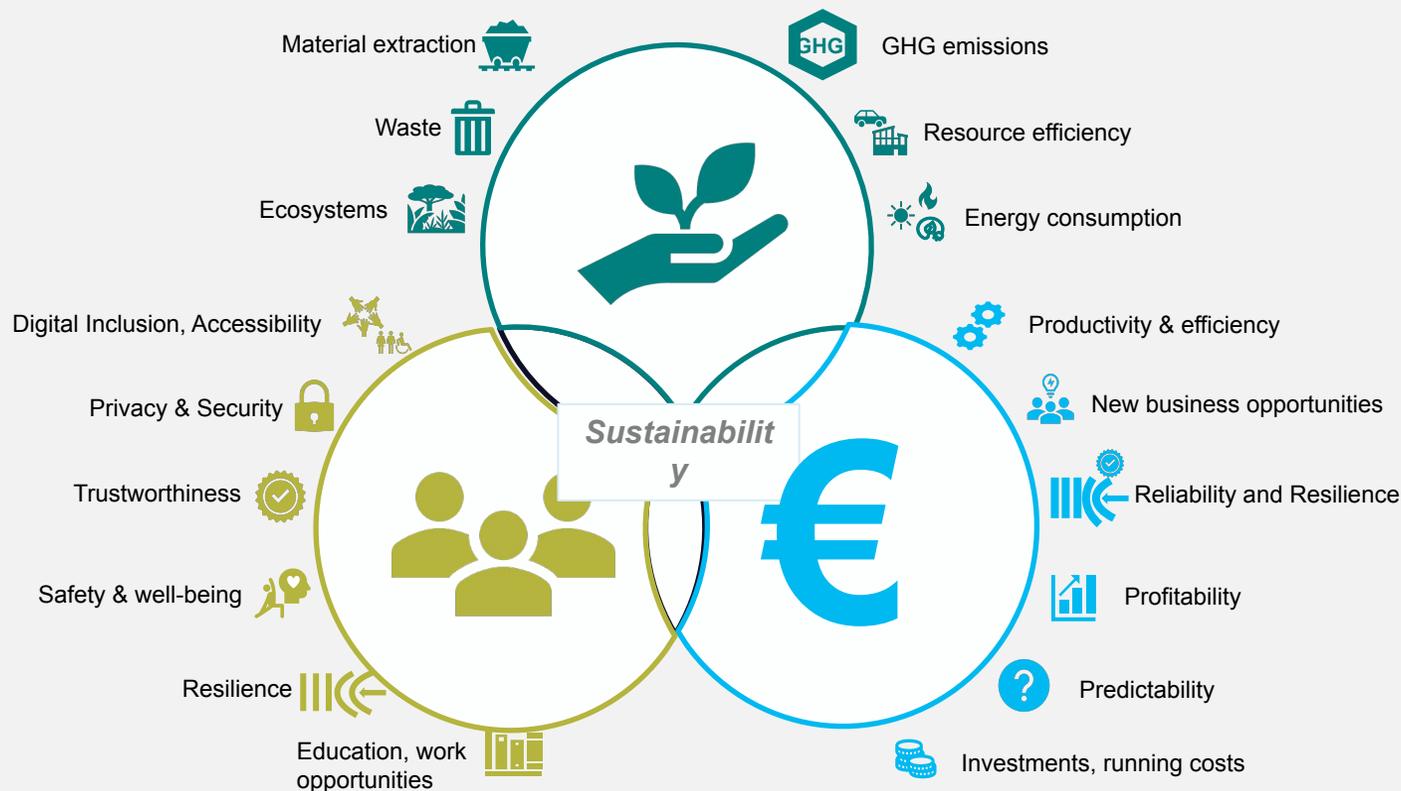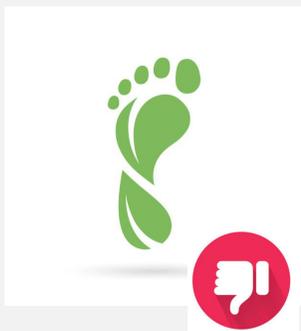
Europe is leading on the definition and validation of **KVIs in 6G Standardization**

Sustainable 6G

minimization of negative impact (footprint) of ICT operations

6G for Sustainability

inducing positive impact and avoiding risks in other sectors (handprint) from use cases

- Material extraction
- Waste
- Ecosystems
- GHG emissions
- Resource efficiency
- Energy consumption

- Digital Inclusion, Accessibility
- Privacy & Security
- Trustworthiness
- Safety & well-being
- Resilience
- Education, work opportunities

Sustainability

- Productivity & efficiency
- New business opportunities
- Reliability and Resilience
- Profitability
- Predictability
- Investments, running costs

Sustainability is both a challenge and an opportunity

A project portfolio building expertise on sustainability aspects

Call 1
Call 2
Call 3

Stream A – B5G R&I

Not exhaustive list of SNS projects

Stream B – 6G R&I

HEXA-X-II +

6G4SOCIETY

SUSTAIN-6G

Stream C – Experimental Infrastructures

Stream D – Large Scale Trials & Pilots

Sustainability Task Force

14