



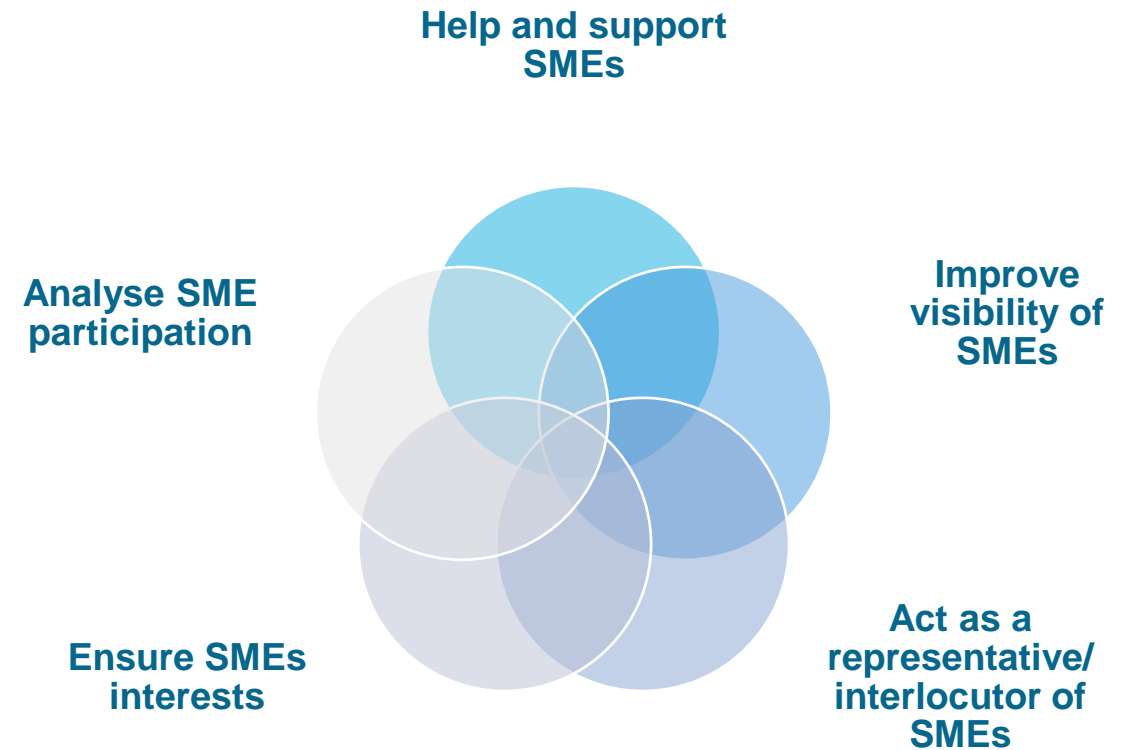
**NETWORLD  
EUROPE**

**SME WORKING GROUP**

*IAFA#4 6G Standardisation Requirements*

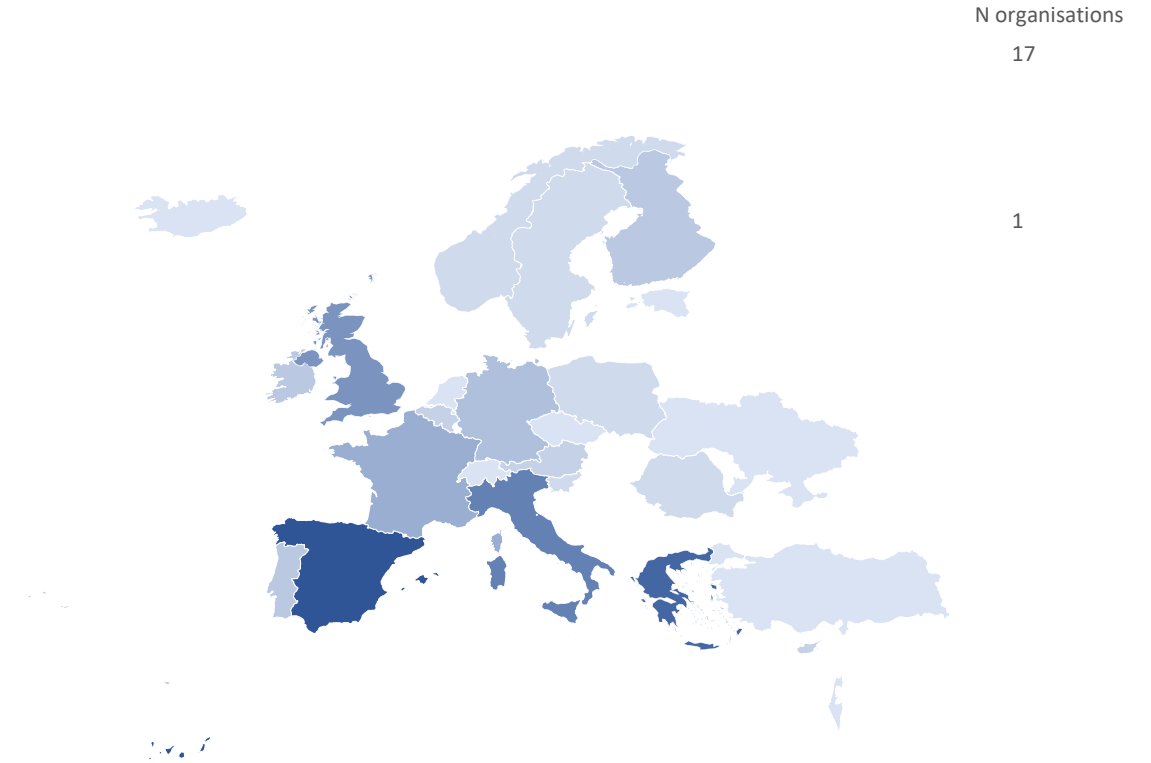
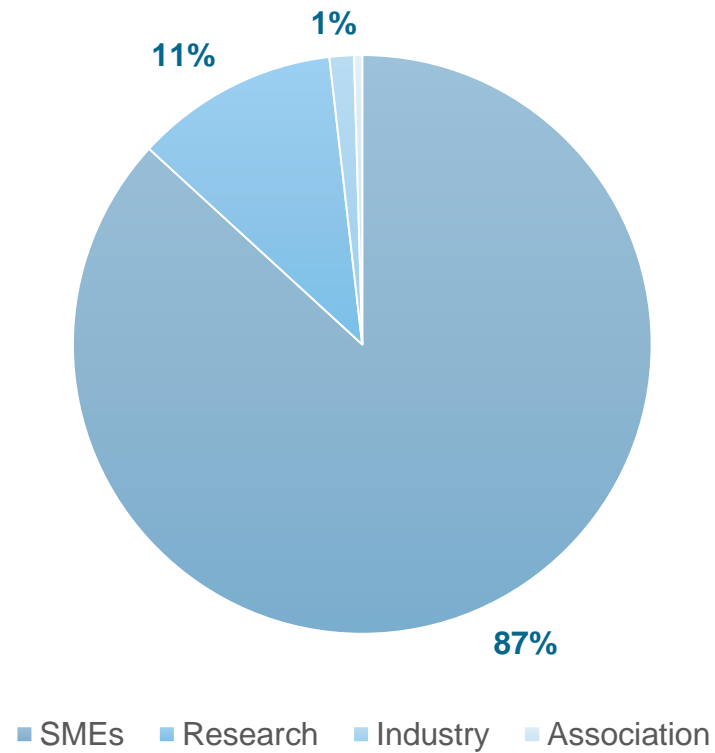
Jessica Carneiro, AUSTRALO, SME WG Chair

- **NetworldEurope** is the European Technology Platform (ETP) for communications networks and services.
- The **SME WG** is one of the four WGs in the ETP.
- **Membership to the SME WG is free.**
  - The registration is quick and intuitive.
  - Our team is ready to support you at any time of the process.
  - Join us [here!](#)



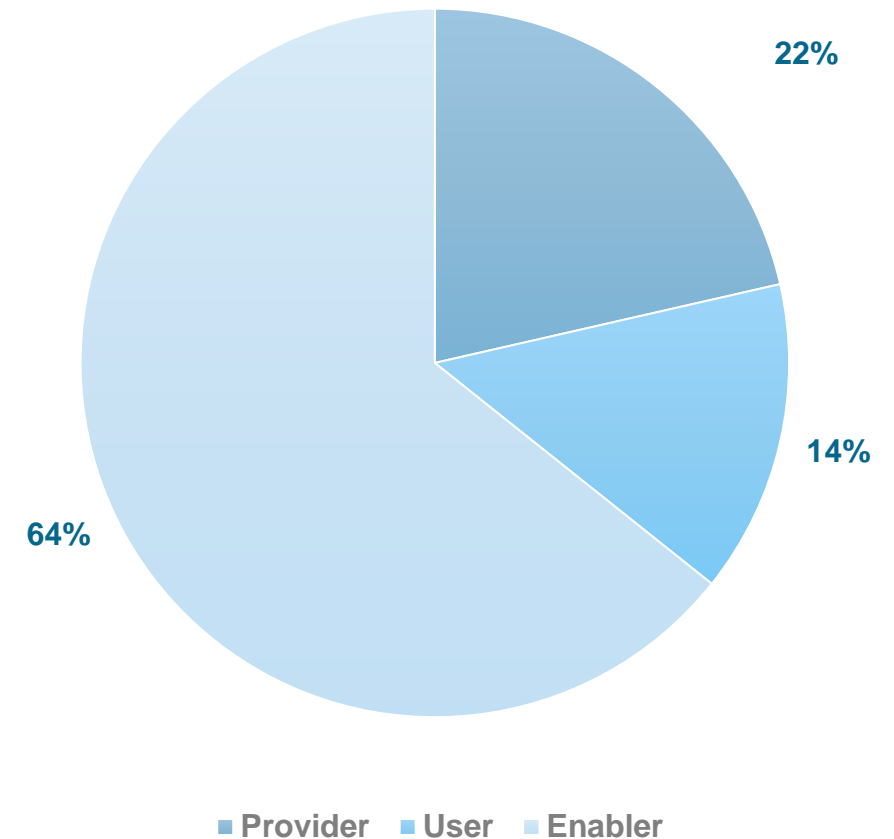
# SME WG OVERVIEW

- **220** members, including **191 SMEs**



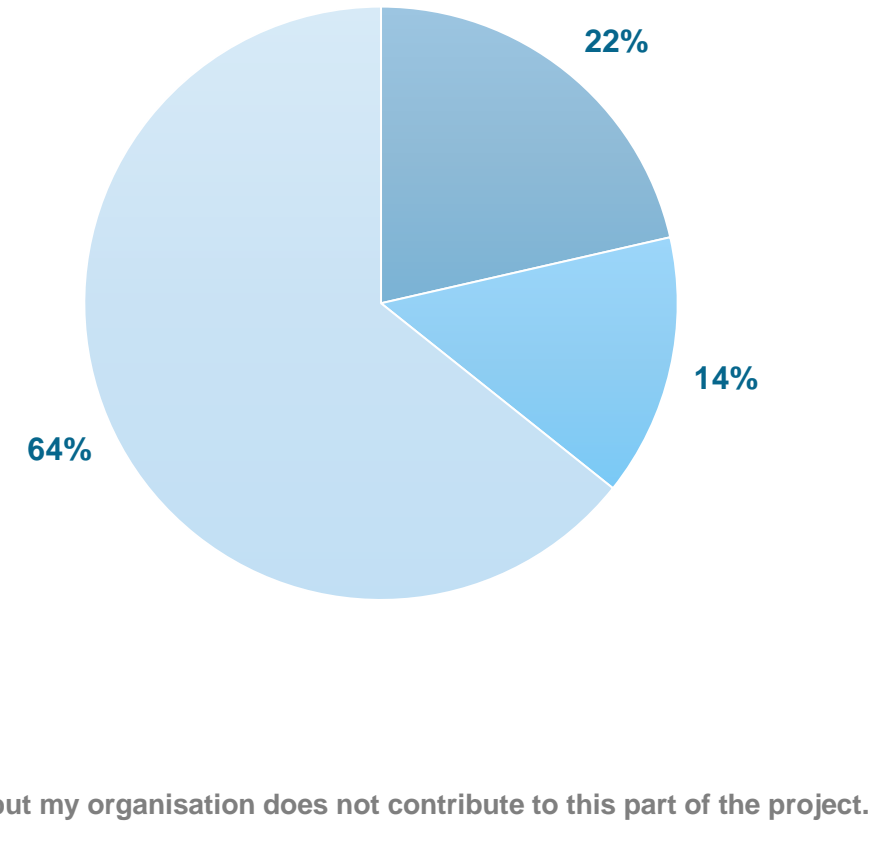
- Standards have not been a priority of the SME WG thus far.
- **A short questionnaire was launched to collect information on the SMEs position in standardisation. It consisted of three sections:**
  - Basic information
  - SMEs work on standards
  - SME participation in Standard Development Organisations (SDOs)
  - Varia: standardisation trends, use of EU standardisation-related instruments and initiatives, additional support measures that could help SMEs in their work on standards, etc.
- **A total of 14 SMEs participated in the questionnaire.**

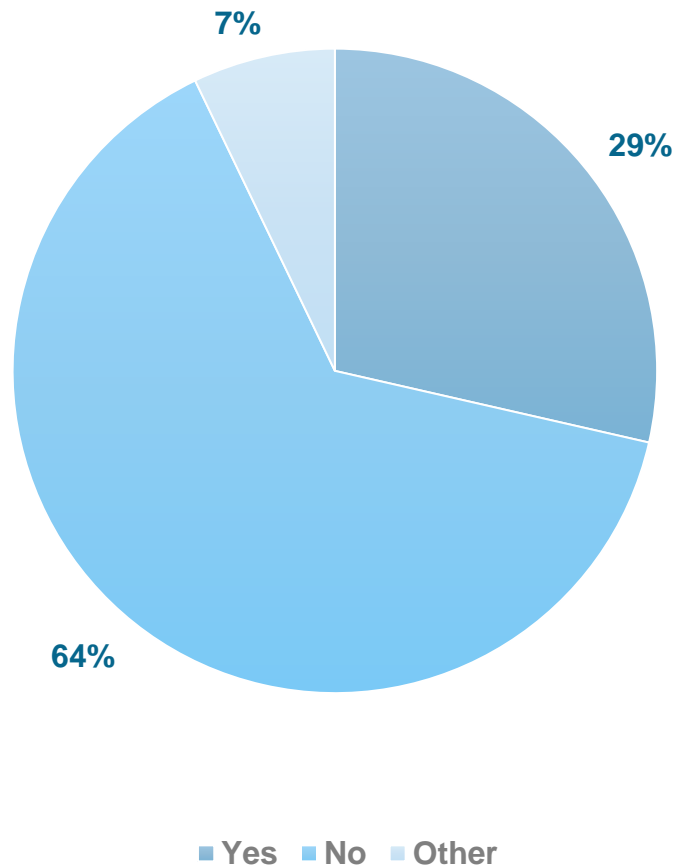
- **SME WG** organisations were asked to categorise themselves into the SNS ecosystem:
  - **Provider ecosystem**: it includes stakeholders involved in the development, deployment and maintenance of 5G/6G infrastructure, technology and services such as network operators, equipment vendors, and system integrators
  - **User ecosystem**: it includes stakeholders who benefit from the deployment of 5G/6G technology, including those who use 5G/6G networks and services to deliver specific applications and services such as healthcare providers, transportation companies, and smart city developers
  - **Enablers/facilitators ecosystem**: it includes stakeholders who provide a variety of support services that enable and facilitate the provisioning and use-case ecosystems to operate effectively.



- **36%** (5) SMEs indicated to be involved in standards.
  - Participation in meetings of **GSMA OPG**
  - Participant to the **ETSI Software Development Group** relating to Openslice (SDG OSL) and new member of the "Open AR Cloud Association" (OARC). No contribution yet.
  - Italian UNINFO and the **CEN-CENELEC**, participating in **UNI CT 533** "Artificial Intelligence" and **CEN/CLC JTC21/WG3** "Artificial Intelligence - Engineering aspects".
    - Contributing to the Working Draft Technical Report "Data Quality and Governance in AI".
  - Member of the **CEN-CENLEC JTC 22 WG4** for Quantum Key Distribution and Post-Quantum Cryptography (QKD PQC) networks.
- Are you an SME involved in standards? If so, how? (*Menti*)

- Approximately **36%** of SMEs partake in some European R&I project addressing standards.
  - 22% of SMEs are involved in the work on standards.
  - 14% are not directly involved in the work on standards
- Projects and work in which SMEs are involved:
  - **6G4SOCIETY** – standardisation activities have not started yet.
  - **6GMUSICAL** - follow the work about use cases in 3GPP
  - Contribute the ITU-T Focus Group on “Environmental Efficiency for Artificial Intelligence and other Emerging Technologies” (FG-AI4EE) in the topic of energy efficiency SDM Optical Access.



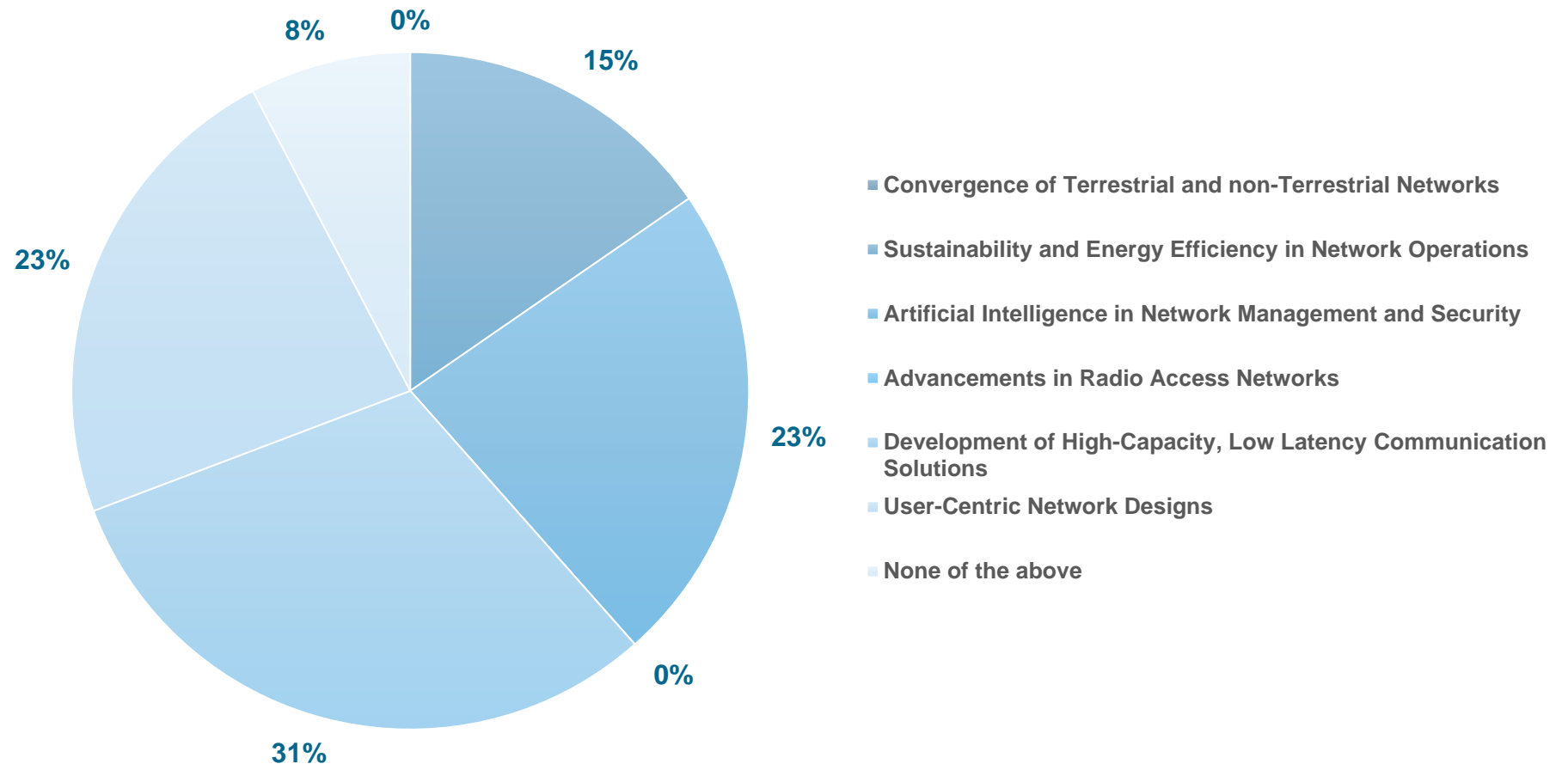


- **Most of SMEs are not involved in any SDOs.**
- Those that indicated they are involved to some extent cited the following SDOs:
  - **ETSI:** participant to the ETSI Software Development Group relating to Openslice (SDG OSL).
  - **IEEE:** follow the work and monitor the results
  - **GSMA:** participation in meetings of GSMA OPG
  - **CAMARA:** monitoring CAMARA APIs advances
  - **CEN-CENELEC:** embedding ethics and regulatory frameworks and mindset in the development of new standards
  - **3GPP, ITU-R, WRC, UNINFO**



# SME WG: STANDARDISATION TRENDS

- SMEs were asked about a number of standardisation trends identified in SNS OPS D4.2.



- The most popular trends amongst SMEs are **Development of high-capacity, low latency communication solutions** (31%), **AI in network management and security** (23%) and **User-centric network designs** (23%).
- SMEs also indicated **Sustainability and Energy Efficiency in Network Operations** (15%)
- 8% responded **“none of the above”**.
- No SMEs indicated the trends **“Convergence of terrestrial and non-terrestrial networks”** and **“Advancements in radio access networks”**.
- Other trends mentioned: **XR /VR Digital Twins**

- Of all the SMEs that responded the questionnaire, only **one** used standards-related platforms and/or instruments (e.g. HSBooster.eu, STAND.ICT, Standardisation Tracker...) offered by the EU.
  - The experience was described as “Good”
- One other SME used the “Standards Tracker” provided by the SNS JU.
- **Which are some tools, activities or overall support that the SNS JU could offer to help your organisation work in standardisation? (*Menti*)**

# SME WG OVERVIEW

- Are you looking for a partner with a specific set of **skills and expertise**? Check this!
  - [“Find the SME you need”](#) web page
  - [“SME brochure – European SME Expertise in 5G and Beyond”](#)
- Interested in more news and information?
  - Follow us in Twitter [@SME\\_WG\\_NwEurope](#)
  - Follow us in LinkedIn [NetworldEurope SME WG](#)
  - Contact [jessica@australo.org](mailto:jessica@australo.org)





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**THANK YOU FOR YOUR ATTENTION**

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