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The European and International Standardisation Landscape - How to Get Involved in SDOs & Adopt Standards

Ivana Mijatovic

University of Belgrade, Faculty of Organisational Sciences

widerAdvance Facility.eu Webinar Standards: The Missing Link in Your Innovation Strategy,

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Moving from research results to industry specifications

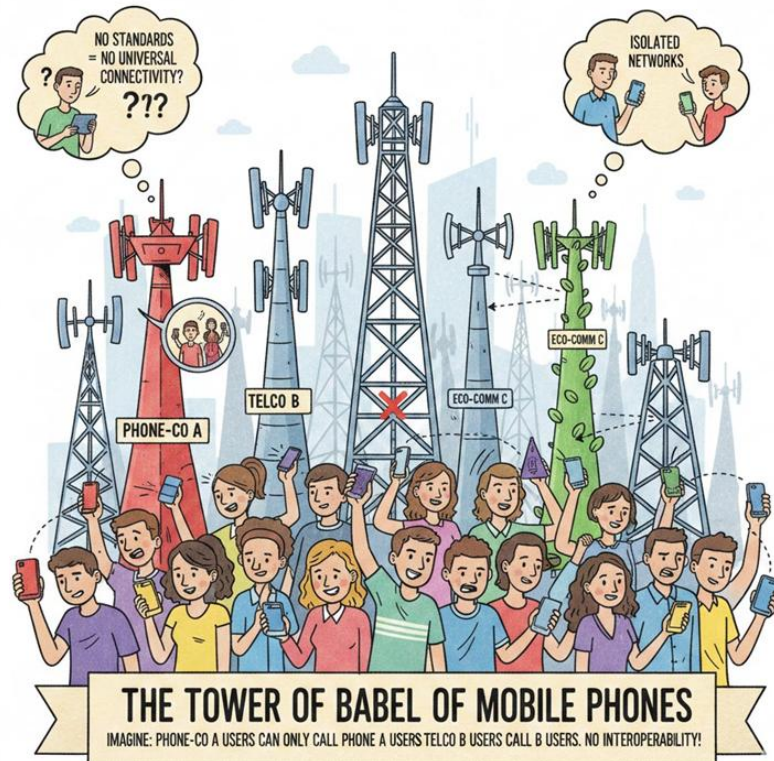


Figure 1. Illustration of isolated mobile networks without standardization. Note. Image generated by Google Gemini (Nano Banana model) on January 10, 2026, from the prompt created by Ivana Mijatovic "...provide illustration for ... educational purposes to show the situation where every producers of mobile phones has their own mobile infrastructure and customers can only talk to people who have the same brand of the mobile phone? For university level in color."

- "A standard is a widely agreed-upon way of doing something" (Abdelkafi, 2021).
- Standardization is the formal activity of developing and implementing these standards.
- A Collaborative Effort: It is fundamentally a human and collective activity.
- Bridge to Industry: Standardization bridges the gap between scientific communication and practical solutions that can be applied across various industrial settings.



Where are standards developed?

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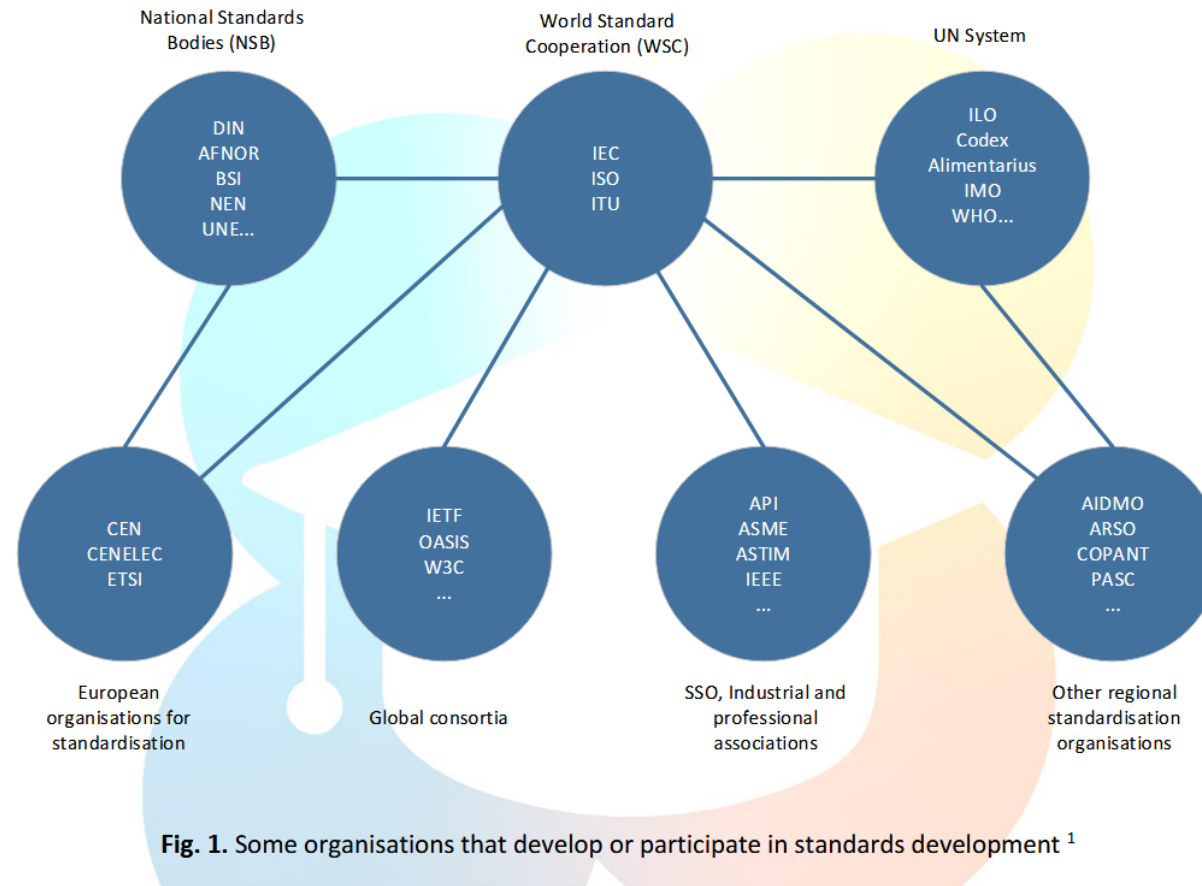


Fig. 1. Some organisations that develop or participate in standards development ¹

Standards are developed in many different settings

Formal Standardisation Organisations

- International (ISO, IEC, ITU-T)
- European (CEN, CENELEC, ETSI)
- National standards bodies (NSBs)

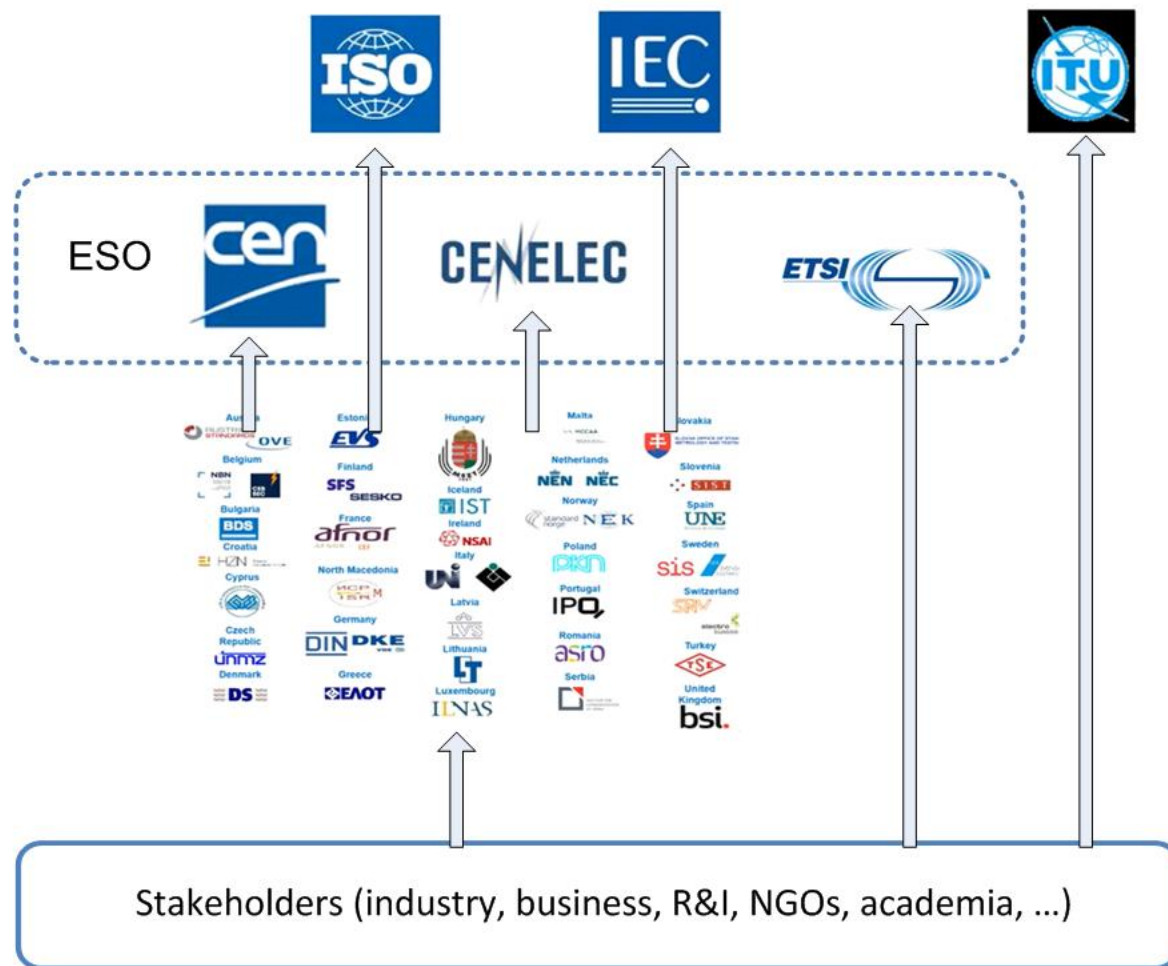
Professional or industry associations, industry consortia, companies, ...

Gerundino D., (2014). Voluntary consensus-based standards, International Organisation for Standardisation (ISO), Accessed on 25.02.2025. Retrieved from: <http://www.iso.org/iso/home/about/training-technical-assistance/standards-in-education.html>.



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How to participate in standard development processes?



- Who develops standards?
- Role of National Standards Bodies (NSBs)
- National Mirror Committees (NMCs)
- ESO and NSBs: Support the research and innovation community.



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Why get involved in standardization?

- researchers are warmly welcomed into standardization processes;
- time, resources, and commitment;
- not all National Standards Bodies (NSBs) possess the same level of skills, experience, or resources to support researchers.
- for some researchers in "widening countries" - a unique opportunity to help improve the system and grow alongside their NSBs.



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Key Takeaways for Researchers

For researchers, standardization offers two vital advantages:

- Being aware of existing standards and use it - prevents "reinventing the wheel."
- Active Participation: to enhance knowledge valorization skills and build international professional networks.

First Steps to Get Involved:

- Map the standardisation landscape
- Consider participation in SDOs
- Initiate contact to your NSB.





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Thank you for your attention!

For questions or collaboration:

dr Ivana Mijatović

University of Belgrade, Faculty of Organisational Sciences

ivana.mijatovic@fon.bg.ac.rs