Standards in Action
HSbooster.eu Success Stories

Success Story #18

Keywords:
#standardisation, #materialscharacterisation, #nanotechnology, #terminology, #metadata,

NanoMECommons – Driving clarity in materials characterisation

The project standardisation needs

The **NanoMECommons project** addresses a critical need for consistency and clarity in materials characterisation and modelling terminology. By leading the revision of CWA 17815:2021, NanoMECommons aims to create a unified framework for documenting characterisation experiments and data processing. The integration of the Characterisation Methodology Ontology (CHAMEO) into this revision will provide a machine-readable reference for terminology and metadata, enhancing the accessibility and utility of the standard across disciplines. The project aims to establish a standardised approach to data documentation, ensuring better interoperability, data sharing, and innovation, as well as transparency and market efficiency. Insights from NanoMECommons are shaping the updated CWA to reflect modern workflows and the needs of interdisciplinary communities.

THE HSBOOSTER.EU EXPERT

Raoul Schönhof

Manager at Fraunhofer-Gesellschaft

"Economic prosperity thrives on collaboration. Collaboration needs a common language. Standardisation is that language - and HSBooster empowers Europe to speak it fluently."

THE HSBOOSTER.EU EXPERT

Karin Eufinger

Standardisation and Technical Regulations Manager, at Centexbel

"As a former researcher and now expert in standardisation I was very happy to provide support NanoMEComons to translate the results of their project into a CEN standardisation deliverable."

THE NSB REPRESENTATIVE

Chiara Pia

Technical Officer at UNI

"The experts that participated in the CEN Workshop enriched the NanoMECommons project with their perspective. Sharing good practices and innovation from different fields is key to standardisation."

The HSbooster.eu Consultancy service

HSbooster.eu provided tailored support to NanoMECommons, enabling impactful contributions to the revision of CWA 17815:2021, titled "Materials characterisation – Terminology, metadata, and classification". Specifically, HSbooster.eu:

- **Expert involvement -** HSB deployed two experts to support the workshop activities.
- **Coordination with UNI -** HSB connected NanoMECommons with UNI, the Italian Standardisation Body, which acted as the workshop secretariat.
- **Financial support:** HSB covered part of the secretariat fees to facilitate the workshop's operation and enhance the project's capacity to engage in standardisation.

The revised CWA, officially launched in May 2024, targets tangible outcomes such as harmonising terminology, improving metadata standards, and enhancing the reproducibility of materials characterisation. These improvements aim to align research methodologies with industrial requirements, fostering smoother transitions of scientific results into market-ready solutions.

The final publication of this key document is scheduled for January 2025, marking a practical step toward building a unified and actionable framework for materials science. HSbooster.eu's direct and targeted support ensured that NanoMECommons could make measurable and impactful contributions, driving progress in this critical area of standardisation.