

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

nanoMECommons

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 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.



PROJECT REPRESENTATIVE

Gerhard Goldbeck

Managing Director at Goldbeck Consulting and CWA Chair

"The strong engagement of many experts from different fields of materials science in the CWA has enabled us to extend the scope of the CHADA to a much wider range of cases, including test series and materials systems."

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:

- Deployed two experts to support the workshop activities.
- Connected NanoMECommons with UNI, the Italian Standardisation Body, which acted as the workshop secretariat.
- Covered part of the secretariat fees to facilitate the workshop's operation and enhance the project's capacity to engage in standardisation.

The CWA, officially launched in May 2024, is focussing on creating a common language for materials characterisation and modelling, improving the documentation of experimental workflows and data processing and bridging the gap between research and industrial applications. The publication is expected in January 2025



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 NanoMECommons 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."

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