



HSbooster.eu
Horizon Standardisation Booster

Supporting EU projects in Standardisation

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The HSbooster.eu has received funding from the European Union's Horizon Europe Framework Programme (HORIZON) - under grant agreement no 101058391.

The EU Standardisation Booster

- **European project:** Launched by the EU Commission as a part of the European standardisation strategy
- **Purpose:** Pilot support services for EU projects to increase their impact, gain market access and support the European green and digital agenda by using standards and contributing to standardisation
- **Call:** HORIZON-WIDERA-2021-ERA-01-32
- **Lifetime:** April '22 – Sept '24
- **CSA (GA: 101058391)**

- **Best practices for EU projects**

- Bridging the gap between standardisation and research projects – Effective communication
- Funding and resources for standardisation
- Recruiting experts from standardisation community
- Increase expertise, education and training

- **HSbooster.eu provides free support for beneficiaries in EU projects to:**

- Learn more about standardisation
- Meet standardisation experts
- Dive into relevant standards
- Develop a standardisation strategy

Bridging the gap between standards and research



Mentoring with Standardisation Experts

- Analysis of the existing standards landscape
- Activities to establish common knowledge of standards and a strategic position on this
- Involving partners with standardisation experience
- Making standards a tangible part of the project
- Stakeholder engagement via standardisation
- Suitable and realistic outputs, outcomes and impact key performance indicators on standards and standardisation.
- **Secure budget to enrol in relevant standards development organisations, purchase copyrighted material such as norms and standards or develop CWAs.**

Ongoing/complete H2020, Horizon Europe and DEP projects can apply:

<https://hsbooster.eu/project/register>

Project-focussed services

- **One-to-one mentoring** – Direct interaction with expert – 2-5 online meetings – up to 3 months
- **Deep dive webinar series (3)** – Project cluster/call specific targeting groups of projects
- **Standardisation Orientation Tool** – Self-assessment
- **One-off-Webinars** – Topic based
- **Training Academy** – 30+ online modules
- **Funding** for WG membership/CWA costs

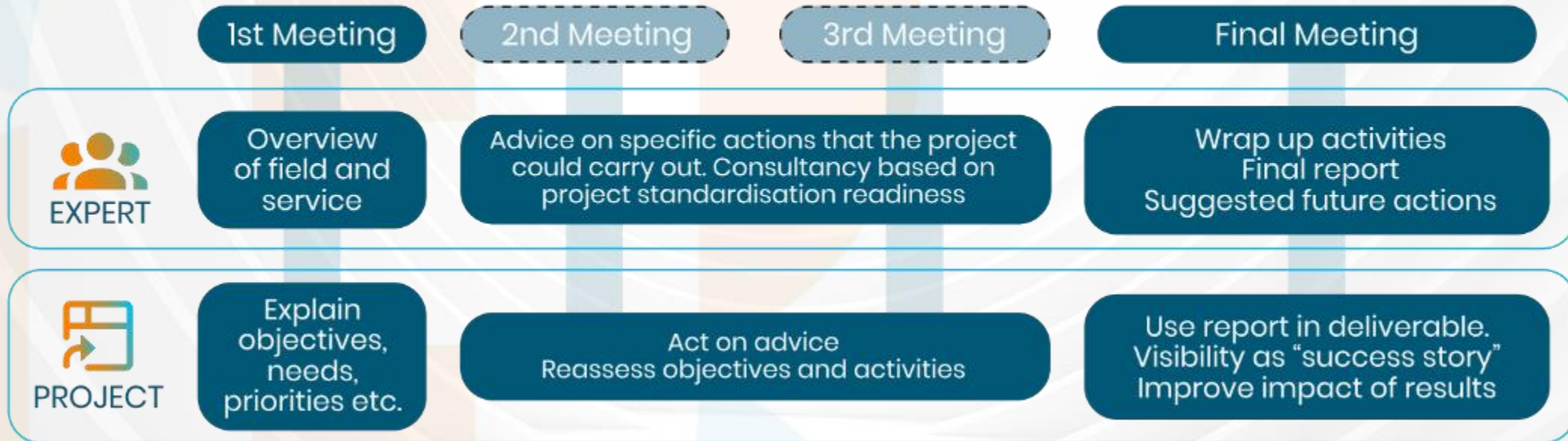
Expert Community

- 180+ Standards experts recruited and paid to deliver one-to-one mentoring

All services are provided free for EU Projects | Experts are paid by HSBooster.eu

Service delivery timeline

3-Month service delivery timeline



Continuous reporting and monitoring by experts & HSbooster.eu

HSbooster.eu has recruited a pool of 180+ experts to deliver services
Standardisation experts are contracted and paid to deliver mentoring services

Secure standardisation budget

€80,000 is available to support projects to:

- Enrol in Standard Development Organisations or National Standards Bodies and contribute to meetings
- Purchase copyrighted material such as norms and standards
- Develop a CEN Workshop Agreement (CWA)

The logo for nanomeccommons features the text "nanomeccommons" in a bold, sans-serif font. The "n" and "m" are orange, while the rest of the letters are black. A small yellow diamond is positioned above the "e" in "mec".The logo for AFC4Hydro features the text "AFC4Hydro" in a blue, sans-serif font. The "4" is enclosed in a blue circle.

Contact info@hsbooster.eu for more info

How projects can apply

The Services are based on **thematic Open Call topics**.

Projects can **apply** online on a first-come first-served basis.

HSbooster.eu identifies an **expert** and puts both in contact.

Service is delivered by the expert to the project

The **service is free of charge** for European R&I projects.

Experts are paid by HSbooster.eu to deliver the service



 **HSbooster.eu**
Horizon Standardisation Booster

OPEN CALL Topics

- Sustainable Digitalisation**
 - › Data quality & Artificial Intelligence
 - › Access to & usage of data
 - › Space
 - › Data and cybersecurity
 - › Quantum technology
- Health**
 - › Pandemics
 - › E-Health & personalized services
 - › Design & use of medical devices
 - › AI in Healthcare
- EU Green Transition**
 - › Clean energy
 - › Materials (raw and secondary)
 - › Green & sustainable production
 - › Environmental impact
- Resilience**
 - › Robust supply chains
 - › Climate resilience
 - › Hybrid civil/defence
 - › Data protection & cybersecurity
- Smart City & Circular Economy**
 - › Circular economy
 - › Transportation
 - › Infrastructure
 - › Green buildings

 Funded by the European Union

Projects Apply: <https://hsbooster.eu/project/register>

Experts Apply: <https://www.hsbooster.eu/epe/register>

Increasing expertise and education

Standardisation Training Academy

Online training material and monthly webinars to boost expertise in standardisation

Basic Knowledge

Beginner 1 – The what, why and who of standardisation

- Why do researchers need standards
- What is standardisation, and what are standards?
- Who develops standards?
- The European standardisation system
- Legal aspects of standardisation
- Users of standards
- Effects of standards implementation
- Classifications of standards

Beginner 2 – Standardisation in context

- Consortia-based standardisation
- Company standardisation
- Introduction to Standard essential patents (SEP)
- Quality infrastructure
- Metrology in QI
- Standardisation QI
- Accreditation in QI
- Conformity assessment in QI
- Market surveillance in QI

Standardisation PRACTICE

Intermediate 1 – Practicalities of standardisation

- How to find the right standard
- How to participate in TCs or WGs
- How standards are developed within SDOs in Europe
- How standards are developed within SDOs internationally
- How to develop a certification scheme

Intermediate 2 – Soft skills

- The Serious Smiling role-play game simulates discussion in an imaginary ad hoc standardisation WG.
- Develop or fine-tune the soft skills needed in standardisation processes, including argumentation, strategic positioning, compromising and common understanding.
- Developed by HSbooster.eu and House of Knowledge.

Standardisation EXPERIENCE

Advanced 1 – Projects in standardisation

- Success stories and use cases from projects with experience in standardisation

Advanced 2 – Experts in standardisation

- Success stories and use cases from experts in standardisation

Knowledge →

Skills →

Experience →

<https://hsbooster.eu/training-academy>

Material and webinars for EU projects and researchers
Responding directly to Code of Practice requirements and improving expertise

First steps towards standardisation

The **Standards Orientation Tool (SOT)**

- Take the first steps towards informed standardisation strategies (for ongoing projects and proposal writing)
- Downloadable standardisation recommendations report
- Generic and project-specific recommendations based on:
 - **Project Technology Readiness Level (TRL)**
 - **Level of standardisation knowledge** of project members
 - **Research-related details.**



<https://sot.hsbooster.eu/>



Standards in Action

HSbooster.eu Success Stories

Joost Brancart
Postdoctoral Researcher
(Vrije Universiteit Brussel)

Success Story



SHINTO aims to disrupt soft robotics by creating self-healing materials and structural components and introducing autonomous damage detection in intelligent devices.

Benefits & Impact

The HSbooster expert taught us the fundamentals of international standardisation and the international standard landscape relevant to the developed technology and advised the consortium regarding the process of developing a new standard.

With the HSbooster expert, the SHINTO consortium has set up an action plan and timeline for the proposal and development of a new international standard. We will definitely need more help in the future.



Funded by
the European Union

Projects engaging with Standardisation TCs and WGs

Project: **AFC4Hydro**

Topic: **Hydropower technology**

Participated in national and international technical committees, notably **IEC TC4 WG33**.

Attended a key meeting in **Kunming, China**, to contribute to the development of **IEC 62882**, focusing on integrating AFC4Hydro technologies into hydroturbines.

The project benefited from expertise gained through the HSBooster program, enhancing understanding of committee operations and decision-making.

<https://afc4hydro.eu/>

AFC4Hydro



Morten Kjeldsen, AFC4Hydro Baihetan hydropower plant in Sichuan and Yunnan provinces in China during the IEC TC4-WG33 in person meeting in Kunming October 2023

Supporting projects to develop CEN Workshop Agreements

Project: **NanoMECommons**

Title: Harmonisation of EU-wide nanomechanics protocols and relevant data exchange procedures, across representative cases; standardisation, interoperability, data workflow

NanoMECommons is organising a CWA “**Harmonisation of EU-wide nanomechanics protocols and relevant data exchange procedures**” with the Italian Standardisation body (UNI) acting as a secretariat.

The kick-off is expected by end of the year.

HSbooster is supporting financially and by providing experts to provide technical and dissemination support



The logo for NanoMECommons features the text 'nanoMECommons' in a sans-serif font. 'nano' is in orange, 'ME' is in black, and 'Commons' is in orange. A small yellow diamond shape is positioned above the 'E' in 'ME'.



<https://www.nanomecommons.net/>

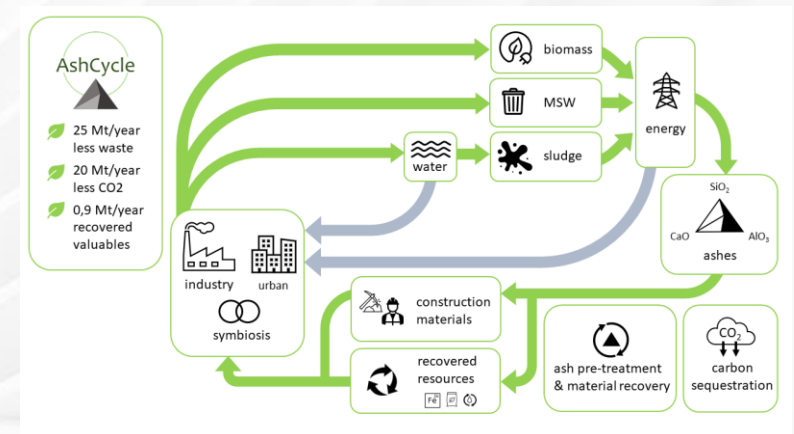
Supporting projects to develop CEN Workshop Agreements

Project: **Ashcycle** - Integration of Underutilized Ashes into Material Cycles by Industry-Urban Symbiosis

Topic: **Reducing waste generation**

Based on the information provided by HSBooster, AshCycle has decided to participate in the ongoing CWA "Guidelines on Action Research for Large Scale Piloting"

In 2024, it is planned that the consortium will **initiate a new CWA on sequestration methodology.**



<https://www.ashcycle.eu>

Thank you

For more information

Visit our booth: **Booth 7.2.H80-17 Level 2**

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www.hsbooster.eu | [@HSboosterEU](https://twitter.com/HSboosterEU)