



HSbooster.eu
Horizon Standardisation Booster

International Hellenic University's Hybrid Awareness Event: "Global Catastrophic Risks"

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HSbooster.eu Highlights

HSbooster.eu has piloted the first Standardisation Booster.

Its community of Experts has mentored EU-funded projects to **valorise project results** by contributing to the development of new and existing standards.

HSbooster.eu CSA (GA: 101058391)

Purpose: To pilot a Standardisation Booster & support objectives within EU Standardisation Strategy & Code of practice on standardisation

Call: HORIZON-WIDERA-2021-ERA-01-32

Lifetime: April '22 – March '25

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Awareness

30+ events raising awareness of how standards can valorise project results.

Workshops | Webinars | Helpdesk



Orientation

3 Online resources to aid projects to plan their standardisation strategy.

Standards Orientation Tool | Health Data Interoperability Framework | Norma the Chatbot



Mentoring

300+ projects supported through Premium Mentoring services delivered by **90+ standards experts**.

Service matrix & infrastructure | One-to-one meetings | Cluster workshops



Funding

€35,000+ provided to support projects to contribute to standardisation development and use

CEN Workshop Agreements | TC Liaison | Standards adoption



Training

25 training modules, 13 webinars and 1 role play game to increase expertise in standardisation.

Training Academy | Serious Smiley Game | Workshops

Premium Mentoring Services

One-to-one Mentoring Services

HSbooster.eu matches individual projects and project groups to standardisation experts who analyse needs, assess the standards landscape and provide practical advice on standardisation activities.

One-to-one mentoring

200+ Projects supported

350 one-to-one meetings

41% Female participants

30% SME beneficiaries

4 CEN Workshop

Agreements funded

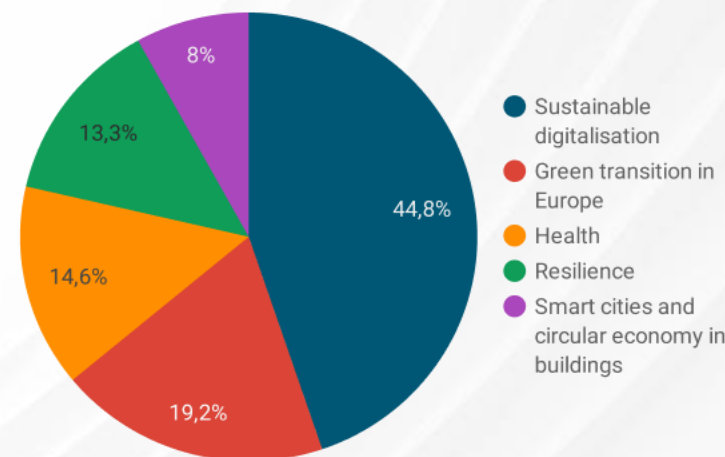
1 Standards Catalogue

90+ validated experts



Service applications reflect standardisation priorities

Sustainable digitalisation, Green transition and Health make up 75% of service applications reflecting ongoing standardisation priorities in these fields.



Common recommendations to projects

Direct engagement with Technical Committees or Working Groups was a common recommendation from experts depending on their needs, lifetime and maturity of results.

- Present the project to related TC/WG
- Liaise with the appropriate TC/WG
- Join mirror committee meetings with national specialists on specific standards.
- Meet TC/WG Chair or secretariat for an overview of the standards programme.

95%
Satisfied projects

Support to Project Groups



9 Groups supported
90+ Projects engaged
22 Workshops
5 Reports
2 Future research actions supported
20+ validated experts



Smart Cities – NetworkNature

Experts: **René Lindner, University of Navarra & Diana Soeiro, University Institute of Lisbon**

Delivered workshops to plan standardisation activities to scale Nature-based Solutions across 6 task forces and a community of 76 projects.

Established liaison with CEN/TC465 (Sustainable and smart cities and communities). Defined 15 scopes for future standards and explored CEN Workshop Agreement options.



6G SNS (Joint Undertaking)

Experts: **Muslim Elkotob, Vodafone & Farshid Amirabdollahian, University of Hertfordshire**

Workshop series, organised by SNS OPS as part of its Impact Assessment and Facilitation Action (IAFA) initiative in collaboration with ETSI and HSbooster.eu

SDOs' future 6G Agendas, SDOs 6G Work Items, verticals and standardisation, including the advancements and support of services enabled by 5G and 6G

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 →

The Serious Smiley Game



Addressing the educational dimension of Standardisation



40+ Events & Training workshops



Funded by the
European Union

Webinars & Workshops

- The Cyber Resilience Act
- Blockchain technologies
- 5G & 6G
- Health Data
- Artificial Intelligence
- Digital Product Passport
- Human Rights
- Women in Standards
- Green Energy
- Cybersecurity
- Plastics Packaging
- Molten Salt Reactors
- Software Technologies
- Internet of Things
- Sustainable Places
- Hydrogen



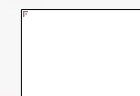
Joint events



Training workshops

- Metrology Standards
- CWA
- Research results vs Technical Specifications
- NSBs
- Conformity Assessment
- Users & Uses
- EU Standards System

Serious Smiley Game Sessions



Trends from served projects in security, cybersecurity, resilience

- **Increased Focus on Compliance:**
 - Projects are prioritising alignment with GDPR and other regulatory frameworks (e.g., CARPA certification for GDPR compliance).
 - Adoption of privacy and cybersecurity standards (e.g., ISO/IEC 27701) is becoming a key deliverable.
- **Integration of Emerging Technologies:**
 - Projects are leveraging advanced technologies such as digital twins for intelligent systems.
 - The use of AI-based decision-making tools is being integrated into security frameworks.
- **Standardisation as a Strategic Goal:**
 - Many projects aim to contribute directly to the development of international standards (e.g., ISO/IEC).
 - Guidance to embed standardization into their overall strategy
- **Proactive Engagement with Standards Bodies:**
 - Active participation in technical committees (TCs) and working groups (WGs) to influence standardisation processes.
 - Evaluation of fast-track standardisation options such as CWAs (CEN Workshop Agreements).
- **Holistic Risk Management Approaches:**
 - Emphasis on using comprehensive risk management frameworks like ISO/IEC 31000 series to address organisational risks.
 - Projects are increasingly incorporating sustainability into their risk management strategies.

Examples of services delivered

SENTINEL

Topic/Field: Data Protection, Cybersecurity, Resilience

Project Needs:

- **Identification of standards** applicable to data protection and cybersecurity frameworks, particularly in relation to resilience-focused initiatives.
- **Strategic roadmap to align project deliverables** with ongoing European and international standardisation activities.
- **Capacity-building support in understanding GDPR** compliance from a standardisation perspective.

Services Delivered:

- Conducted an assessment of the project's standardisation readiness.
- **Mapped** existing cybersecurity and data protection **standards** relevant to project activities
- Recommended active engagement in national preparatory work and participation in targeted **training programmes** on certification and standardisation.

Examples of services delivered

MEDINA

Topic/Field: Cybersecurity Assurance, Certification Frameworks

Project Needs:

- Identification of **cybersecurity assurance frameworks** applicable to MEDINA's work.
- Direction on **contributing to standardisation activities** in development.
- Guidance on how to interpret and implement **requirements of ongoing normative** work.

Services Delivered:

- Provided suggestions for **engagement with technical working groups**.
- Identified ongoing **initiatives related to cybersecurity certification frameworks**.
- Offered **strategic advice** on how to position MEDINA's results within evolving standardisation activities.

Examples of services delivered

Moore4Medical

Topic/Field: Secure Medical Devices, Health Data Interoperability

Project Needs:

- **Understanding standardisation gaps** in medical device cybersecurity and data interoperability.
- Strategic orientation for initiating or contributing to new standardisation efforts.
- Internal training and awareness on applicable medical device regulatory and standardisation frameworks.

Services Delivered:

- Advised the project to **liaise with relevant TCs** and working groups.
- **Proposed initiation of new work items** in areas where gaps were identified.
- Recommended training activities to align internal teams with current best practices.

Examples of services delivered

HoloZcan

Topic/Field: Health Security, CBRNE Detection, Pandemic Preparedness

Project Needs:

- Guidance on relevant SDOs and technical committees (e.g. CEN/TC 391 WG2, ISO/TC 94/SC 14).
- **Orientation on non-standard outputs** such as SOPs or good practices.
- **Training** on how to engage with and influence standardisation processes.
- Identification of applicable **existing and upcoming standards for alignment**.

Services Delivered:

- **Mapped** standardisation landscape and key contacts across CEN, ISO, and MSZT.
- **Advised on participation** in relevant TCs/WGs and outreach to SPADA and EU crisis networks.
- **Provided tailored training resources** based on the project's biothreat detection technology.
- Suggested next steps including contribution to ongoing initiatives and potential SOP development.

Examples of services delivered

PANTHEON

Topic/Field: Crisis Management, Digital Twins, Smart Cities, Hybrid Civil/Defence Resilience

Project Needs:

- **Orientation** on relevant standardisation committees for crisis management, community resilience, and digital twins (e.g. CEN/TC 391 WG3, ISO/TC 292, ISO/IEC JTC 1/SC 41 and SC 42).
- Identification of applicable standards (e.g. ISO 22360, ISO 22371, ISO/IEC AWI 30194, ETSI TR 103 827) for integration into the Smart City Digital Twin (SCDT) framework.
- **Strategic advice** on structuring contributions through standardisation roadmaps, strategies, and participation in existing standardisation deliverables.
- Guidance on building visibility and influence within TCs and SDOs, including outreach to key experts and standardisation forums.

Services Delivered:

- **Mapping of relevant standards**, WGs, and policy context for disaster resilience and digital twin applications in smart cities.
- **Supported outreach** to ISO and CEN bodies and proposed use of the project's digital twin work for contributions to under-development standards.
- **Advised on concrete next steps**, including drafting a standardisation roadmap and strategy as formal project deliverables.
- **Identified potential liaisons** in the AI, IoT, and urban resilience standardisation domains.
- **Provided training resources** and curated documentation on digital twins and crisis management standards.

Expression of interest to join HSBooster.eu

<https://hsbooster.eu/HSbooster.eu%20Expression%20of%20Interest>



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