

# HSbooster.eu The EU Standardisation Booster

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# The EU Standardisation Booster

- **Name:** HSbooster.eu - Standardisation Booster for H2020 and Horizon Europe Research Results.
- **Funding:** Launched by the EU Commission as a part of the European standardisation strategy.
- **Call:** HORIZON-WIDERA-2021-ERA-01-32 - Standardisation Booster for fostering exploitation of FP-funded research results and managed by the European Research Executive Agency (REA).
- CSA (GA: 101058391)
- Duration: April 2022 – March 2024
- Budget €2 million
- **Purpose:** Give European R&I projects the opportunity to increase their impact, gain market access and support the European green and digital agenda by using standards and contributing to standardisation
- **Objectives:**
  - Build a European community around standardisation and EU Projects
  - Serve EU projects through dedicated support services
  - Support projects in contributing to the creation of new or revision of existing standards
  - Impact on the uptake of new technologies resulting from standardisation

## Partners



- Project Coordinator
- COMMpla Platform manager



- Automated services management



- EAG management  
Open calls and EPE  
management



- Training academy  
management



- Proactive services  
management



- Premium services  
management



- Backed and supported by experts with complimentary expertise and roles
  - Standardisation organisations
  - Vertical sectors
  - Technologies
  - Advisory roles
  - Market needs
  - Innovation
- Collaboration inside ETSI to optimise consultations

EAG provides high-level strategic guidance and provides expert input into standardisation urgencies for open calls

 <p><b>Emilia Tantar</b> Chief Data and Artificial Intelligence Officer Black &amp; Veatch</p>	 <p><b>Emilie Bratt</b> Lead Standards Development Manager Green Standards Institution (GSI)</p>	 <p><b>Grit Munk</b> Chief Consultant at Danish Society of Engineers The Danish Society of Engineers (IDA)</p>	 <p><b>Knut Blind</b> Professor for Innovation Economics Fraunhofer ISI</p>	
 <p><b>Ray Walshe</b> Assistant Professor &amp; EAG Chair DCU</p>	 <p><b>Lindsay Frost</b> Chief Standardisation Engineer NEC Laboratories Europe</p>	 <p><b>Maitane Olabarria</b> Secretary General Small Business Standards (SBS)</p>	 <p><b>Martin Chapman</b> Director for Technical Policy &amp; Standards DIGITAL EUROPE</p>	 <p><b>Pamela Hussey</b> Senior Lecturer School of Learning and Journal Sciences, DCU</p>
 <p><b>Pernille Hagedorn</b> Chief Consultant The Danish Society of Engineers (IDA)</p>	 <p><b>Sebastian Hallensleben</b> Head of Digitalisation and AI VDE</p>	 <p><b>Speranta Stomff</b> Head Of Project Management Office ASRO (Romanian Standards Association)</p>	 <p><b>Valerie Livina</b> Principal Research Scientist National Physical Laboratory (NPL)</p>	

Chair – Ray Walshe,  
Dublin City University

# Challenges that projects face in addressing standardisation

- Get access to the standardisation experience and to the community
- Guidance from standardisation experts or TC members
- Relevance of project to a standard and careful, realistic planning
- Synchronisation of objectives to consensus- and time-driven standards process
- Training and skills: basic understanding, negotiation, linguistic, stakeholder management
- Setting standardisation KPIs and evaluation



[Link to study](#)

Report identifies key areas in which HSbooster.eu can make a practical and tangible difference to projects. Recommendations have influenced HSbooster.eu strategic planning and service content

# HSbooster.eu Service Matrix



Facilitating R&I innovation related stakeholders in EU projects towards EU standardisation and ensuring two-way flow of information that can contribute to identification of new areas for standardisation.

# How services operate

## Services based on thematic Open Call topics

- R&I projects can [apply](#) online on a first-come first-served basis.
- The R&I project is matched with an **expert** within their field and a consultancy service is tailored to their needs.
- The service is free of charge for European R&I projects
- The **experts** are paid 800 Euros per counseling (app. 2 days of work)

**Simple and fast application and delivery process with 500 consultancy services available**  
**First services to start later this month.**





# 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



# **OPEN CALL** for Standardisation Experts

Supporting Horizon Europe  
and H2020 projects address  
Standardisation priorities in Europe

**Join our pool of experts**

ETSI Standardisation experts extremely welcome and service delivery is remunerated by HSbooster.eu  
<http://hsbooster.eu/epe/register>



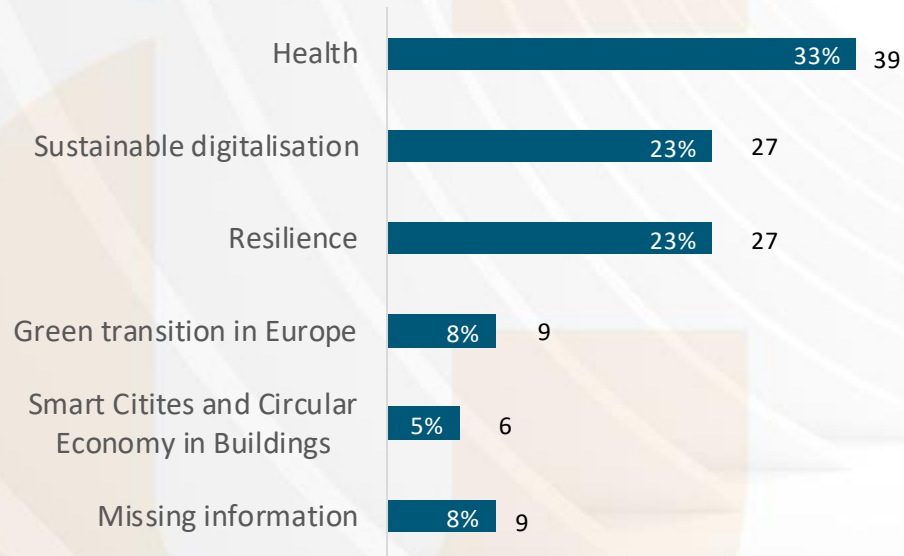
Funded by  
European Union



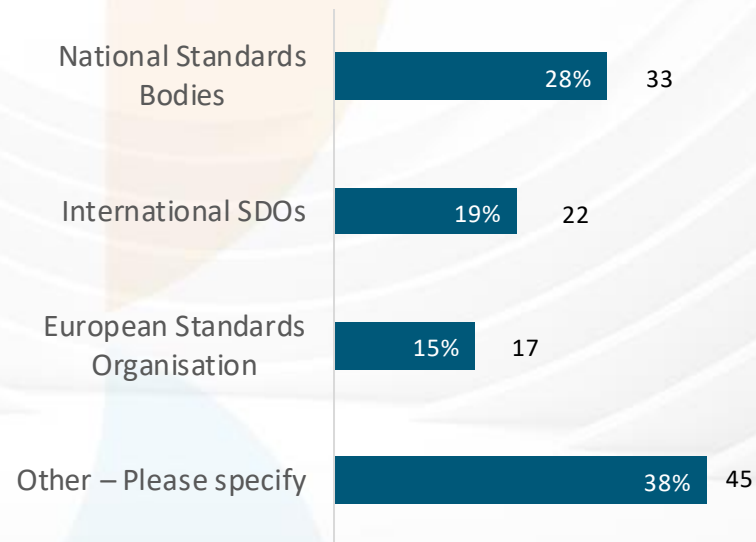
# Open Call for Standardisation Experts

**117 Standardisation Experts Recruited as of 10<sup>th</sup> October 2022**

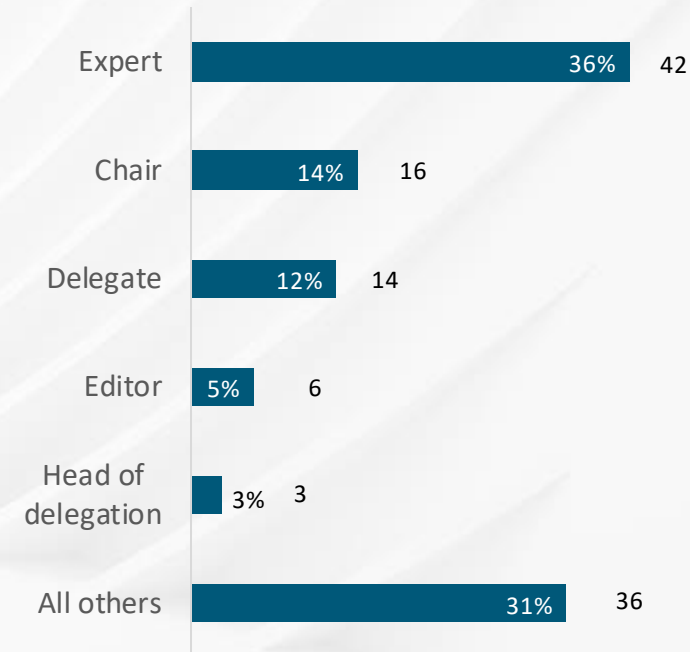
## Experts by Open Call Topic



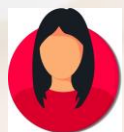
## Representatives from



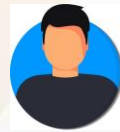
## Experts by Role



## Gender



**23%, 27**  
Female



**74%, 87**  
Male

**3%, 3**

Prefer to  
self-describe

**Average Years of Experience  
in standardisation**

**6.3**

Experts deliver consultancy services and can contribute to Training Academy  
New Standards Expert Community section coming soon on HSbooster.eu

# Types of support to projects

- Understand benefits of standardisation to valorise results
- Map results to relevant standards/TWGs
- Identify areas for new standards / revised standards
- Develop a standardisation strategy
- Plan and initiate standardisation activities
- Meet standardisation experts
- Re-use or adopt existing standards
- Analyse standardisation potential and “readiness level”

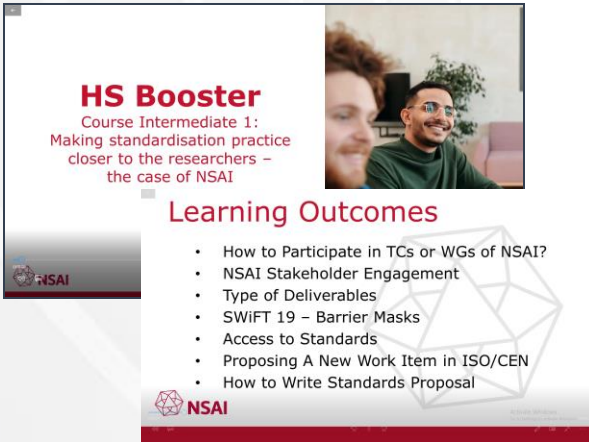
Standards and standardisation key to the valorisation of project results, innovation, growth and trust across Europe.

How to build expertise in standardisation

## Focus: Experience

(standardisation experts, researchers) – interviews, case studies, workshops

## Focus: Practice (SDOs, standardisation professionals)



**HS Booster**  
Course Intermediate 1:  
Making standardisation practice  
closer to the researchers –  
the case of NSAI

**Learning Outcomes**

- How to Participate in TCs or WGs of NSAI?
- NSAI Stakeholder Engagement
- Type of Deliverables
- SWIFT 19 – Barrier Masks
- Access to Standards
- Proposing A New Work Item in ISO/CEN
- How to Write Standards Proposal

## Focus: Basics theory background (academia + SDOs)

### HSBooster.EU Training packages

#### COURSE ADVANCED 1 Experiences of researchers involved in standardization

1. The state of the art in specific areas of standardisation
2. How to make an impact in standardization

#### COURSE ADVANCED 2 Standardization experts involved in Critical standardisation areas

1. The state of the art in specific areas of standardisation
2. How to make an impact in standardization

#### COURSE INTERMEDIATE 1

1. Benefits from participating in standards development
2. How to participate in TC of NSB?
3. How to address and find the proper standard?
4. How to participate in developing standards in consortia?
5. Standardisation development and setting processes in SDOs

#### COURSE INTERMEDIATE 2

1. Training in standardisation skills 1 (argumentation and building compromise) simulation game
2. Training in standardisation skills 2 (building consensus and strategic positioning) – simulation game
3. How to establish a certification scheme?

#### COURSE BEGINNER 1

1. Why do researchers need standards?
2. Standardization, standards, and related documents
3. Types of standardization
4. Classifications of standards
5. Users of standards
6. Benefits of using standards and participating in the standards development
7. Standardization history
8. Quality Infrastructure
9. Conformity assessment

#### COURSE BEGINNER 2

1. Arena of standardization SDOs
2. Voluntary consensus-based standardisation
3. European system of standardization
4. Consortia-based standardization
5. Company standardization
6. How can standards be referenced in regulative?
7. Standardisation, Innovations, IPR

Learning outcomes based on Blind, K. Drecshler, S. (2017). European Market Needs for Education in Standardisation/Standardisation – related Competence,

To be able to influence processes and outcomes of standardisation

To be able to participate in standardisation as observer and participant

To be able to propose new work items to TC, SC or WG

To be able to identify specific interets&needs for getting involved in standardisation

To be able chose appropriate type of standardisation and select adequate SDOs

To be able to identify needs for standard application, to search for and select appropriate standards.

To be able to implement adequate standards in product, process or system.

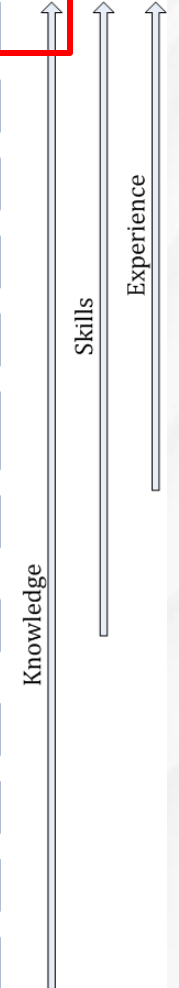
To be able to understand SDOs, their cooperations, and their processes

To be able to understand economical, social and technical impacts of standardisation and standards

To be able to understand relations between standards and regulations

To be able to understand history of standardisation

To be able to understand the basic terms and basics of standardisation



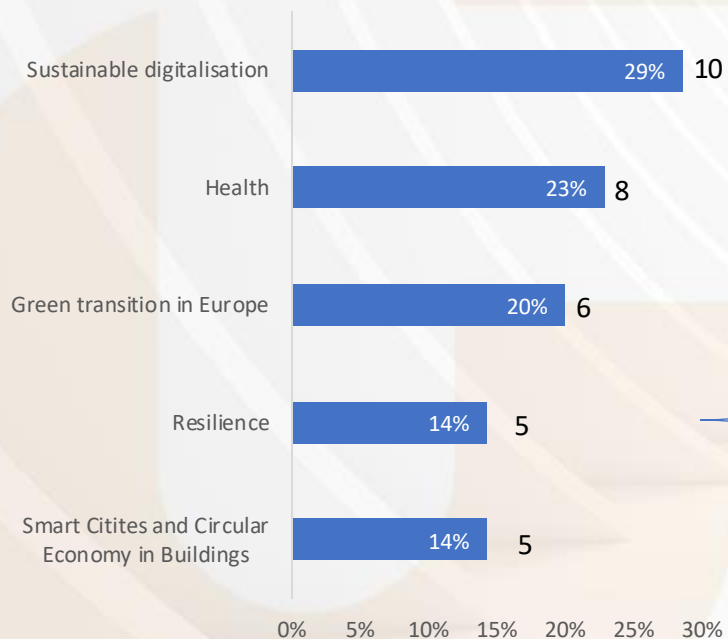
6 modules to improve expertise on standardisation through online resources which are integrated in service delivery.



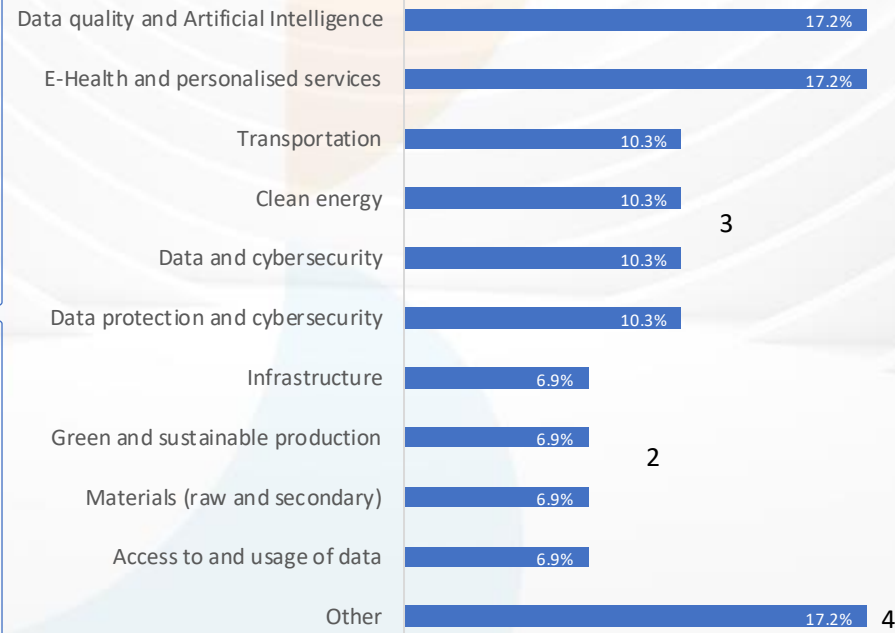
# Open Call for EU Projects

## 34 EU Project Applications as of 10<sup>th</sup> October 2022

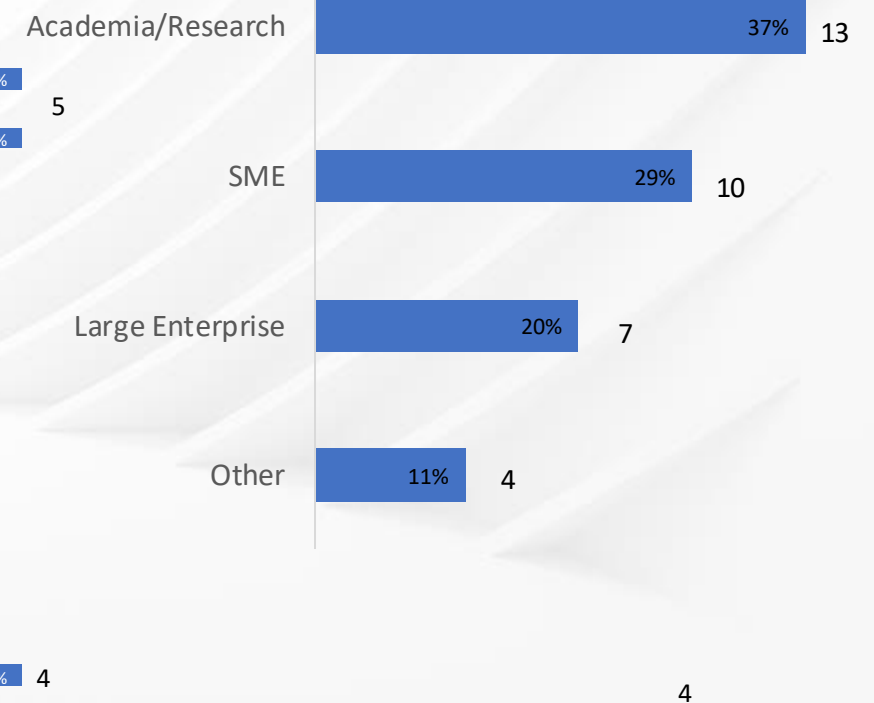
### Projects by Open Call Topic



### Sub Topics



### Organisation Type



Ramping up of project applications as services get underway and dissemination of impact

# Requests from our first applicants

- *Standardisation is in the back of everyone's mind, and during every project review there are questions related to standardisation, but in general partners have no clue where to start such a process and what is involved. Additionally, many also do not have "the bandwidth" to heavily engage in such a process. So guidance and help is welcome here!*
- *Help the project in identifying the reference standardization landscape*
- *Help analysing and identifying the needs for new standards*
- *Identifying and engaging with other standardization bodies not yet in the radar of the project.*
- *Find new methods to propose standardisation to technical partners as well as to have a direct contact to standardisation committees and entities.*
- *Identifying right channels to contribute to standardisations*
- *seeking support to collaborate with existing Technical Committees*

Identifying standards/TWGs / landscaping activities VERY common in applications to date.  
2 applications from projects with CEN/CENELEC Workshop Agreement in place

# Priorities in IoT from ETSI Technology Radar

- **promote existing ETSI standards related to IoT** and especially from oneM2M so that the barriers between "verticals" can be broken down, particularly in the key domains of **Smart City, Smart Manufacturing and environmental monitoring**
- **promote ETSI standards for cyber security in IoT** and work with European and other important cyber security organisations to ensure that IoT solutions are not fundamentally damaged by cyber-attacks and are not maliciously re-used to contribute to attacks
- **collaborate with research projects** so that as much of the projects and their proof-of-principle activities **(re)use standards where feasible**, rather than inadvertently inventing equivalent or less interoperable interfaces
- **collaborate with European research projects in leading-edge areas** such as **additive manufacturing** or the **circular-economy**

Extracted from [ETSI Technology Radar](#)

Commonalities in topics and a real need for collaboration between ETSI and research projects



# Mutual benefits for ETSI and EU projects

## Benefits for ETSI Members

- Raise awareness of ETSI to R&I actors
  - Sustain members to interact with projects & provide training/education
  - Experts remunerated for service delivery
- Facilitate project contributions to revisions or new standards development
- Direct engagement with projects from standards-related calls and areas in ETSI Technology Radar (IoT)
- Recognise R&I contributions and thus incentivise future R&I engagement
- Identify and promote channels for EU projects
  - Industry Specification Groups for early standardisation work
  - Open to non-ETSI members

## Benefits for Projects

- Opportunity to bring research results directly into standardisation
- Access to the leading-edge ICT knowledge from the 900+ other members
- Opportunities to be visible, build a strong community and network with both industry and governmental standards setters and policy makers
- Insight into critical issues and standardisation urgencies
- Contribute to early standards work (TRL 4-5) and demonstrations
- Improve competitiveness, innovation and market impact of results
- Contribute to EU Standardisation strategy

Thanks to David Boswarthick, ETSI Director New Technologies

Healthy collaboration already with ETSI (and CEN/CENELEC).  
This is essential to facilitate a win-win situation for all.

# Become part of our community



**HSbooster.eu**  
Horizon Standardisation Booster

## We are looking for:

- **H2020 & Horizon Europe projects** to apply for free counselling in the use of standards and participation in standardisation. Services start this Month!
  - [Apply here](#)
- **Paid experts** that can help with the consultation service of the above-mentioned projects. In order to become an expert, you need to have knowledge of:
  - Standardisation
  - A relevant subject area (see previous slides)
  - [Join here](#)

Thank you

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Coordinator & COMMpla

