

HSbooster.eu

Horizon Standardisation Booster

Why HSbooster.eu
Training Academy – how
to build expertise in
standardisation

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# **Training Academy**

EUSoS: "Europe's competitiveness, technological sovereignty, ability to reduce dependencies and protection of EU values, including our social and environmental ambitions, will depend on how successful European actors are in standardisation at international level. This not only involves strong standardisation skills across industry and academia, but also requires European standardisation to become more agile, flexible and focused to anticipate the standardisation needs."

EUSoS: "strengthen technical expertise and skills in standards"..."engaging the research and innovation community early on in standards to build expertise and skills in standardisation.

HSBooster.eu: The Standards Academy will provide an efficient mechanism for training – knowledge, expertise and skills

#### The TA's main tasks

Training packages: 2 for beginners, 2 for intermediate users, and 2 for advanced users.

Developing a network of standardisation experts and professionals.

More than 25 contributions (training materials) developed by standardisation experts and professionals.

Support to services - training for proactive and premium service applicant

Training webinars.



## Methodology of the TA: Placing "why" before "how"

### Target group characteristics

- impartial
- analytic view
- critical thinking (so what?)
- transmission of their research results (message) through research papers (IF, H index, I index)
- focus on research
- they learn from research



### Researchers' point of view

- Why do we need standardization?
- What benefit can we have?
- How to succeed in booth research and standardization (overlapping time)?
- Antonio Renaldi (ENEA):
   "standardization do not like new solutions" EU Knowledge
   Valorisation Week 2022 - Making R&I results work for a resilient and sustainable Europe)

"Research activities and the more formal standardisation processes are different in nature and difficult to synchronise" (Source: Scoping study for supporting the development of a code of practice for researchers on standardisation)

Our goal: To bring present/changing standardisation practice closer to the researchers



## To make an impact in standardisation researchers need expertise

Academia
/Researchers in
the field of
standardisation

Standardisation experts

Standardisation professionals

Competence: "the proven ability to use knowledge, skills, and personal, social and/or methodological abilities, in work or study situations, and in professional and personal development" (EU, 2017)



EU establishments

Expertise: "a dynamic state, domain-specific, and the key components of expertise are knowledge, experience, and problemsolving (Swanson, 2007)

A critical success factor is a concerted effort

How to

**HSBooster.EU Training packages** 

General and specific

COURSE ADVANCED 1

Experiences of researchers involved in standardization 1. The state of Art in specific areas standardisation

2. How to make an impact in standardization

**COURSE ADVANCED 2** 

Standardization experts involved in Critical 'standardisation areas

1. The state of Art in specific areas standardisation

2. How to make an impact in standardization

**COURSE INTERMEDIATE 2** 

1. How to write standards

2. Skills related to writing

to draft texts in a standard-

3. Skills related to the ability

5. Training in standardization

proposals + processes?

standards (structure...)

compliant language

4. How to establish a

certification scheme?

To be able to influence processes and outcomes of standardisation

for Education in Standardisation/Standardisation - related Competence,

Learning outcomes based on Blind, K. Drecshler, S. (2017). European Market Needs

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

build expertise in standardisa tion

Levels of generality

#### **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 right standard?
- 4. How to participate in developing standards in consortia?
- 5. Standardisation development and setting processes in SDOs

2. Standardization, standards,

4. Classifications of standards

6. Benefits of using standards

3. Types of standardization

**COURSE BIGINER 1** 

and related documents

5. Users of standards

and participating in the standards development

7. Standardization history

9. Conformity assessment

8. Quality Infrastructure

standards?

#### **COURSE BIGINER 2**

- 1. Arena of standardization **SDOs**
- based standardisation
- 3. European system of standardization
- standardization

- Innovations, IPR

1. Why do researchers needs

skills

- 2. Voluntary consensus-
- 4. Consortia based
- referenced in regulative?
- 7. Standardisation.

Knowledge

Experience

Skills

- 5. Company standardization
- 6. How standards can be





# Thank you

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