



Star4bbs

STANDARDS AND R&I PROJECTS: HOW TO SUPPORT THE BIO-BASED INDUSTRIES

Standardization and research: key points for
policy makers, companies and consortia

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An EU Strategy on Standardisation



- ▶ New era for standardization in Europe, increase influence of European market on global economy through standards
- ▶ HS Booster – Horizon Europe project valorising research results through standardization
- ▶ Code of Practice on standardization for researchers

EU Standardization Strategy



Standardization and research: key points for policy makers, companies and consortia



- ▶ Integrating standardization and research
- ▶ Identifying new topics for standardization
- ▶ Raising awareness and building system capacity



Standardization and research: key points for policy makers, companies and consortia

What's in for you?

Impact and market access: applying existing standards and generating new ones increases the impact and market access of R&I projects and activities. It generates user trust and makes the project results more accessible to industry and societal actors.



Network: participating in standardization enlarges the R&I network with relevant stakeholders sharing the standardization works

Recognition: standardization helps the R&I community gain recognition for their work by acknowledging the participation in standardization works or including references to relevant scientific publications in standards.



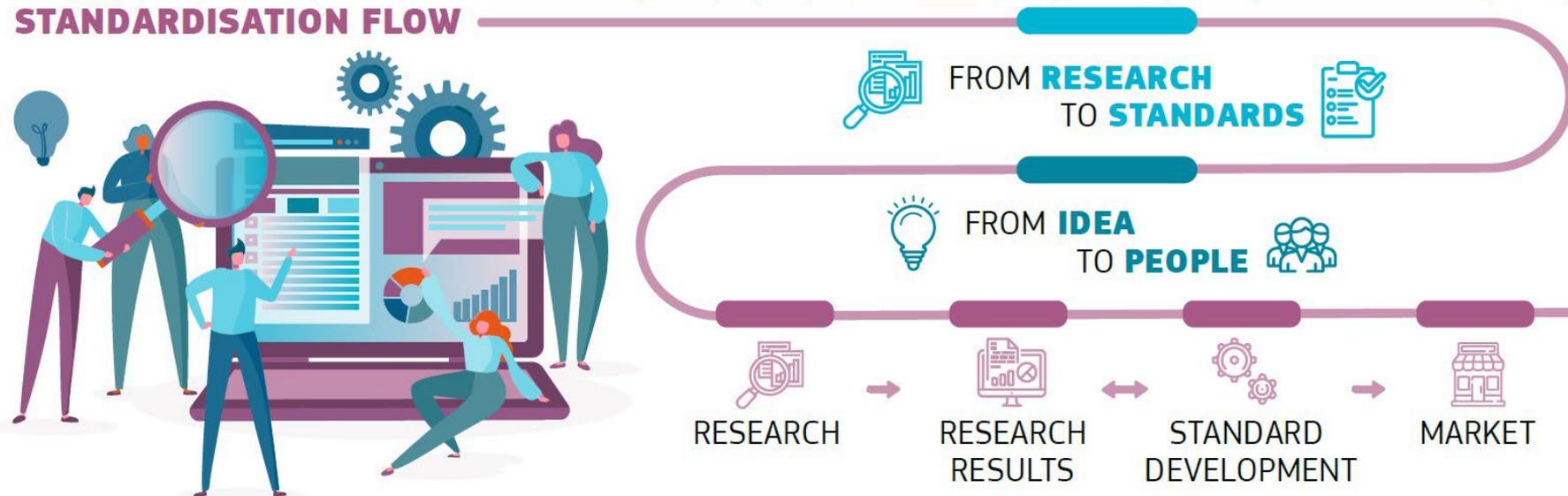


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Valorizing research

Standards are a crucial tool to get the most out of research results. This is because they:

- ▶ help researchers to **bring their innovation to the market** by making their results transparent and ensuring high quality
- ▶ **build consumer trust** in innovative technology because they guarantee safety and quality
- ▶ **codify** the technologies **requirements** and inform both manufacturers and consumers on what to expect
- ▶ allow technologies and materials to be **interoperable**





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How to include standardization in R&I activities

Screen existing standards



Standards are state of the art for industrial and societal practices

Join an existing standardisation community

You can join the Technical Committee works by participating as an expert through your NSB. You can ask for a **Project Liaison**, your project will be then represented and can fully contribute but without voting rights.

Revise an existing European Standard or develop a new one

Review ongoing standardization works relevant for your activity and to integrate some of your results in them. Works can be for new standards or for the modification of existing ones.

Fast track to new standardisation

If you plan to develop new standards a **CWA** is a fast-track to new standardization



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Project Liaison

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- ▶ Establishing a **Project Liaison** is the formal mechanism that allows a research project to collaborate with a Technical Committee (TC) active in the same field
- ▶ The project representative can participate in the Technical Committee directly, thus ensuring synergies between the research and standardization work

[Apply for a Liaison](#)





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CEN Workshop Agreement



Funded by
the European Union

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- ▶ CEN/CENELEC Workshop Agreement (CWA) is a **pre-standardization** deliverable designed to meet an immediate need, that can be used as a fast-track to future standardization activities
- ▶ It is **fast and flexible** to develop (~ 6-12 months) in a Workshop open to the direct participation of anyone and reflects the consensus of identified stakeholders
- ▶ Once published, a CWA is valid for **3 years**, after which it can be confirmed for a maximum of 3 years, revised or withdrawn





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- ▶ The **CEN Workshop** is a flexible working platform open to the participation of any company or organisation, inside or outside Europe, for the fast elaboration of a consensus document (i.e. CEN Workshop Agreement (CWA)).
- ▶ **Consensus** - General agreement, characterized by the absence of sustained opposition to substantial issues by an important part of the concerned interests, and by a process that involves seeking to take into account the views of all parties concerned and to reconcile any conflicting arguments.



CEN Workshop = Working group



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- ▶ The **CEN Workshop Agreement (CWA)** is a technical agreement, developed by a Workshop, which reflects the agreement of registered workshop participants responsible for its content.
- ▶ Document designed to meet an immediate need.
- ▶ Developed in accordance with CEN rules and practices ([CEN-CENELEC GUIDE 29](#)).
- ▶ Used for:
 - Emerging or rapidly-changing contexts
 - To share best-practices

Output of Research Projects

As try-out before the development of ENs

CEN Workshop Agreement = fast-track standardization deliverable



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- ▶ Exploitation outcome of a EU project -> lasts beyond the project lifetime
- ▶ Technical document which can be transformed in a proper EN standard
- ▶ Meeting the requirements of the EU Strategy on Standardization



This is why a CEN Workshop Agreement

ARTICLE 28 — EXPLOITATION OF RESULTS

28.1 Obligation to exploit the results

Each beneficiary must — up to four years after the period set out in Article 3 — take measures aiming to ensure ‘**exploitation**’ of its results (either directly or indirectly, in particular through transfer or licensing; see Article 30) by:

- (a) using them in further research activities (outside the action);
- (b) developing, creating or marketing a product or process;
- (c) creating and providing a service, or
- (d) using them in standardisation activities.**

This does not change the security obligations in Article 37, which still apply.

28.2 Results that could contribute to European or international standards — Information on EU funding

If results are incorporated in a standard, the beneficiary concerned must — unless the Agency requests or agrees otherwise or unless it is impossible — ask the standardisation body to include the following statement in (information related to) the standard:

“Results incorporated in this standard received funding from the European Union’s Horizon 2020 research and innovation programme under grant agreement No 101003587”.

28.3 Consequences of non-compliance

If a beneficiary breaches any of its obligations under this Article, the grant may be reduced in accordance with Article 43.

Such a breach may also lead to any of the other measures described in Chapter 6.

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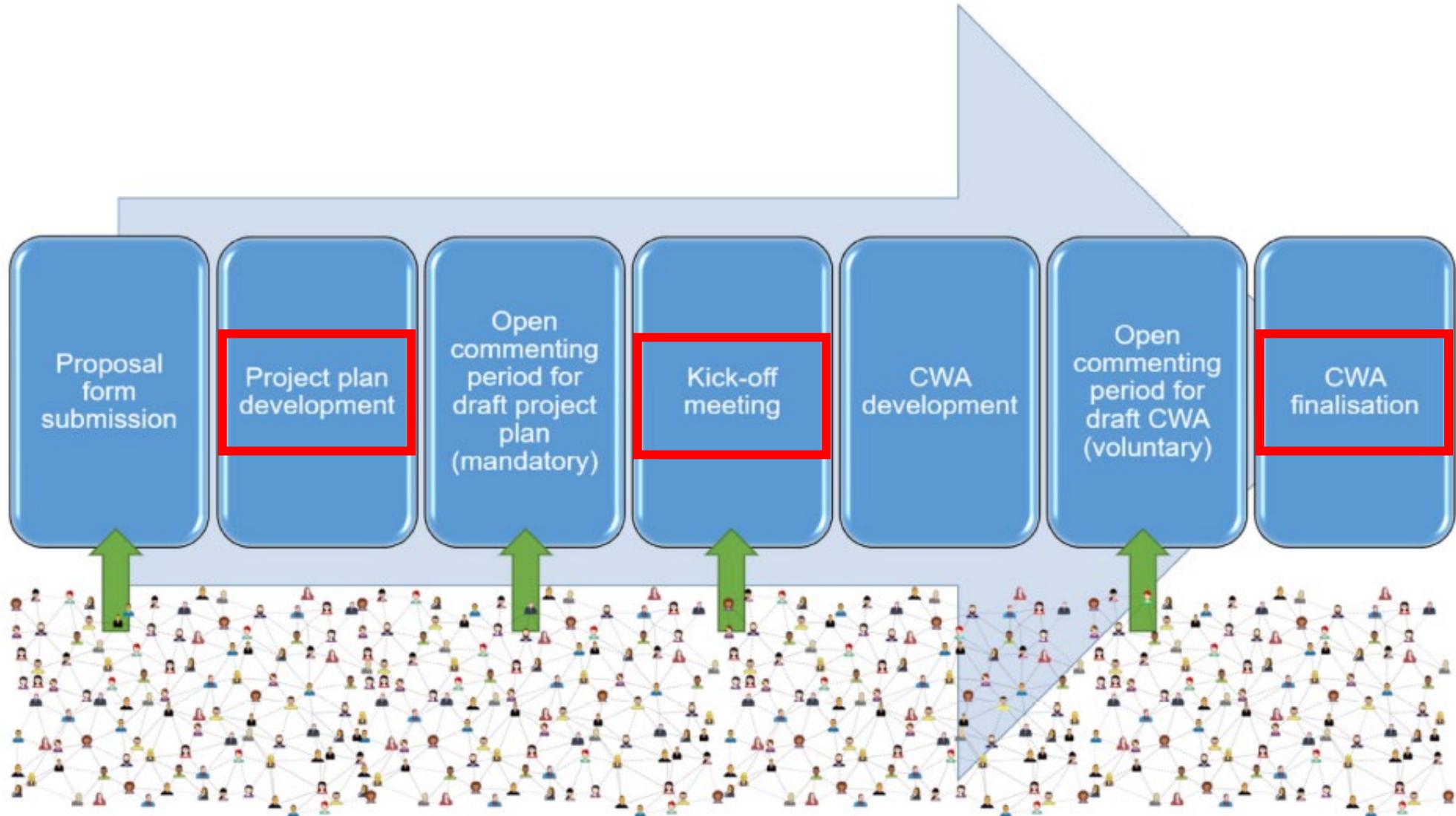
- **Initiators:** any interested party ... **but very useful for R&I projects**
- **Workshop announcement**
- **Public review of the Project Plan (at least 30 days)**
 - Flexible (open to participation at any stage)
 - Expert/Company-oriented, not national oriented
- **CEN IPRs policy and Exploitation rights are applicable**



No safety and security



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<https://www.cencenelec.eu/get-involved/research-and-innovation/cen-and-cenelec-activities/cwa-download-area/>

The screenshot shows the website's navigation bar with links for 'About CEN', 'About CENELEC', and 'Contact Us'. The main header includes the CEN and CENELEC logos and a menu with 'EUROPEAN STANDARDIZATION', 'GET INVOLVED', 'AREAS OF WORK', and 'NEWS AND EVENTS'. A prominent orange banner features the text 'GET INVOLVED' and 'CWA download area' with three glowing lightbulb icons. Below the banner, a horizontal menu lists 'CEN and CENELEC Activities', 'Tools for CEN and CENELEC Members', 'Horizon Europe', 'Standards + Innovation', and 'Standards for innovation: examples'. A row of buttons includes 'Innovation Plan', 'S+I Awards', 'Standards and metrology', 'PSIS', 'CWA download area' (highlighted), and 'Scientific References in Standards'. A text block states: 'The CEN and CENELEC Boards agreed at their meeting of 29 March 2017 (CEN/CA Decision 29/2017 and CENELEC/CA Decision 146/14) that CWAs in the R&D domain and in the ICT domain be made publicly available on the CEN and CENELEC websites if a pre-payment is made as compensation for the possible loss of revenue to the CEN and CENELEC members.' A footer note mentions: 'The CWAs in the ICT domain that are made available under pre-paid download conditions, are available from the CEN and CENELEC website.'

The cover page for CEN Workshop Agreement CWA 17815, dated October 2021. The title is 'CEN WORKSHOP AGREEMENT' followed by 'CWA 17815' and 'October 2021'. The subject is 'Materials characterisation - Terminology, metadata and classification'. It includes the ICS code '07.120: 17.020' and 'English version'. A disclaimer states: 'This CEN Workshop Agreement has been drafted and approved by a Workshop of representatives of interested parties, the constitution of which is indicated in the foreword of this Workshop Agreement. The formal process followed by the Workshop in the development of this Workshop Agreement has been endorsed by the National Members of CEN but neither the National Members of CEN nor the CEN-CENELEC Management Centre can be held accountable for the technical content of this CEN Workshop Agreement or possible conflicts with standards or legislation. This CEN Workshop Agreement can in no way be held as being an official standard developed by CEN and its Members. This CEN Workshop Agreement is publicly available as a reference document from the CEN Members National Standard Bodies. CEN members are the national standards bodies of Austria, Belgium, Bulgaria, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Latvia, Lithuania, Luxembourg, Malta, Netherlands, Norway, Poland, Portugal, Republic of North Macedonia, Romania, Serbia, Slovakia, Slovenia, Spain, Sweden, Switzerland, Turkey and United Kingdom.' The CEN logo and full name are at the bottom, along with the address 'Rue de la Science 23, B-1040 Brussels' and copyright information '© 2021 CEN All rights of exploitation in any form and by any means reserved worldwide for CEN national Members.' and reference number 'Ref. No. CWA 17815:2021 E'.



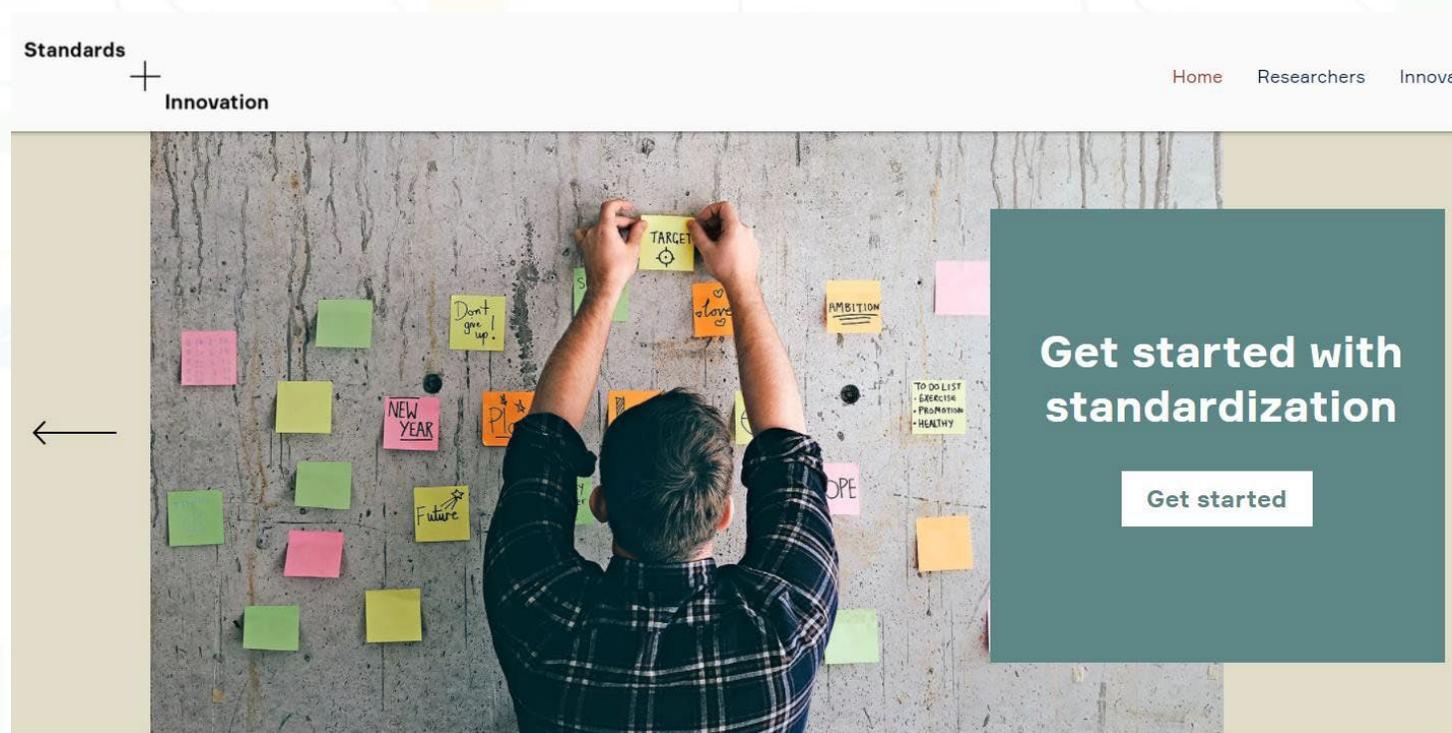
Raising awareness and building system capacity



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Standards+Innovation

www.standardsplusinnovation.eu



Standards and Research & Innovation

Click on any topic below or use the menu above to jump to any chapter



Introduction



A. Understanding standardization



B. Standardization processes



C. Compliance and standards



D. Standardization and Research & Innovation

www.standardspluselearning.eu/

#standardsplusinnovation

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Thank you for your attention!



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