

European Standardization Organizations

Webinar 'The revised Guide 29'

Boosting innovation through the CEN and CENELEC Workshop Agreements





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Your speaker



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1. The concept of Workshops and CWA
2. The different stages of a Workshop (WS)
3. Guide 29:2024 → Main changes from the 2020 edition
4. The practical experience from UNE

European Standardization Organizations



CEN - European Committee for Standardization

CENELEC - European Committee for Electrotechnical Standardization

ETSI - European Telecommunications Standards Institute

→ Recognized by European law ([EU Regulation 1025/2012](#))

Standardization happens at different levels



- Aim: identical standards in Europe and worldwide



National

European

International

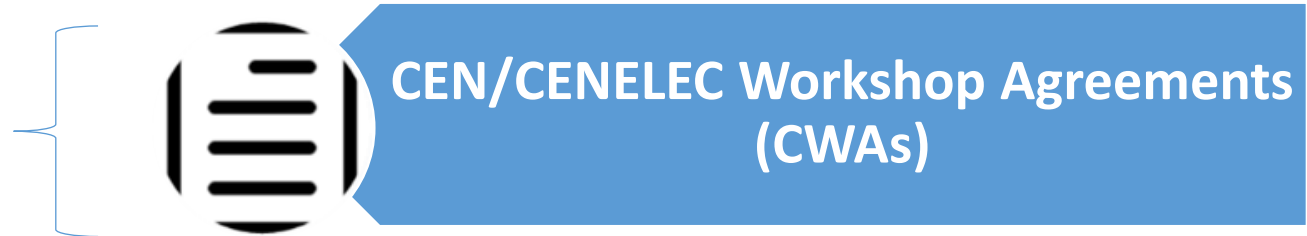
CEN and CENELEC deliverables



Developed in **Technical Committees** with national delegations



Developed in **Workshops** with individual interested parties



1. The concept of WS and CWA

“CEN and/or CENELEC Workshop Agreements – A rapid way to standardization”

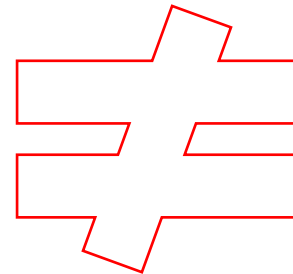
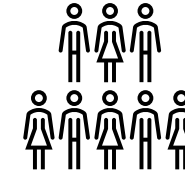
Rationale

- ▶ Innovative markets often need of a reference document that:
 - is a **stepping stone** to other standardization deliverables
 - facilitates **interoperability and compatibility**
 - enhance market uptake of **innovative solutions**

Scope

“This CEN-CENELEC Guide provides mechanisms and details the characteristics and development process of the CEN and/or CENELEC deliverable known as the 'CEN and/or CENELEC Workshop Agreement'.

Workshop (WS) Temporary group



CEN Workshop Agreement (CWA) Deliverable of the WS (i.e. the publication)



- ✓ **Flexible** working platform:
 - ▶ Light procedures
 - ▶ **Direct and voluntary participation of stakeholders**
 - ▶ Participants decide on the working arrangements

- ✓ **Open** to any company or organization:
 - ▶ **Inside or outside Europe**
 - ▶ Public process

- ✓ **Rapid** elaboration of **documents**
 - ▶ Few physical meetings
 - ▶ Work by electronic means encouraged
 - ▶ Flexible timeline

- ▶ **Technical specifications, guidance material, best practice, information, etc.**
- ▶ May be the basis for a European or international standard at a later stage
- ▶ **Companies/organizations endorsing the CWA are listed in the publication**
- ▶ Listed in the CEN Members' catalogues
- ▶ No obligation for National Standardization Bodies/Committees to withdraw any conflicting national standards
- ▶ **Shall not be in conflict with a European Standard**
- ▶ CEN and CENELEC IPR policy and exploitation rights are applicable to CWAs (see [CEN and CENELEC Guide 10](#))

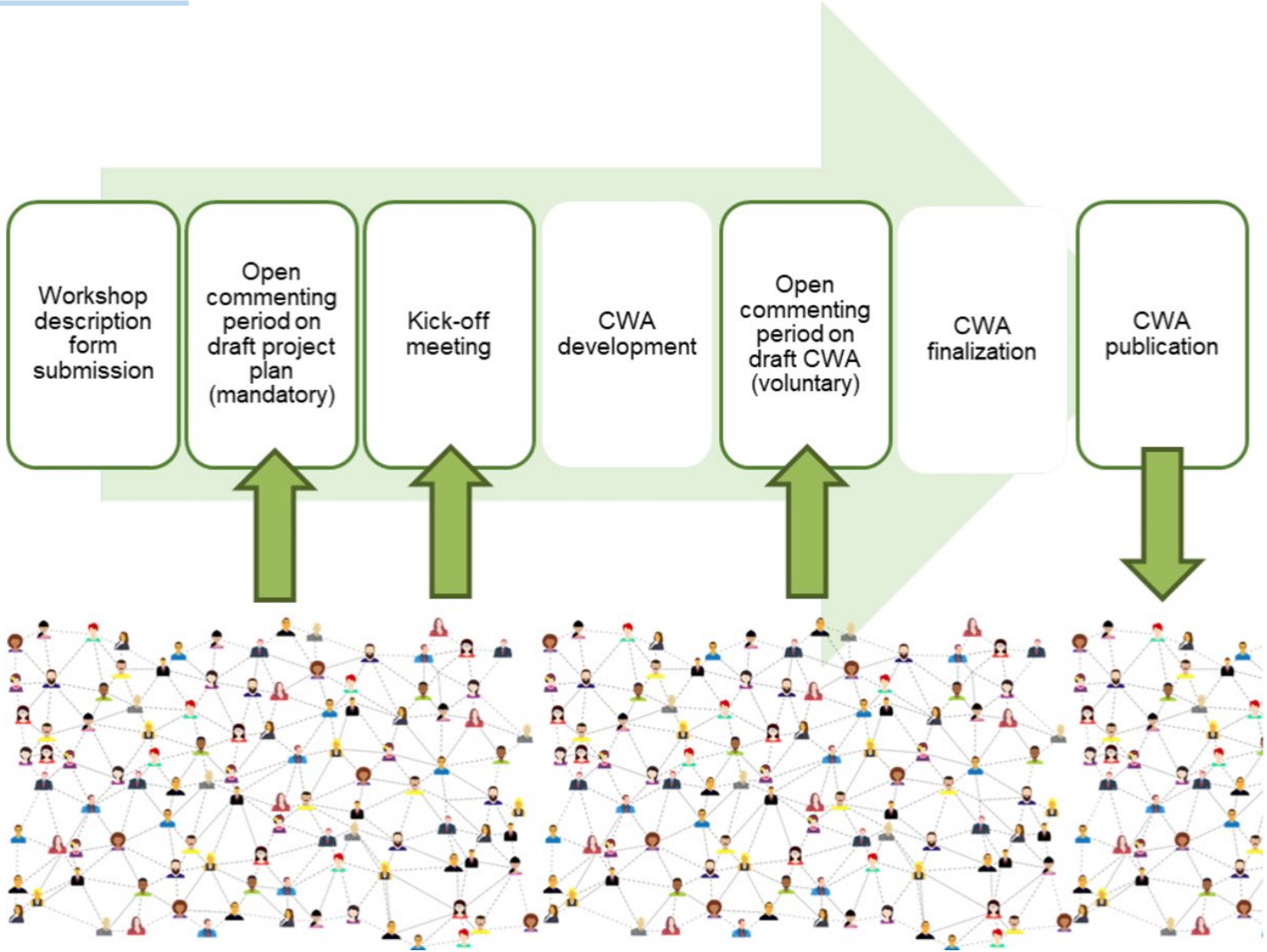
European Standard vs CWA



Characteristic	EN	CWA
Standstill (all national work on the same topic is suspended)	YES	NO
Language	3 official languages (English, French, German)	1 of the official languages (by default)
Public Consultation	Mandatory	Optional but recommended
Approval	CEN and/or CENELEC National Members	Registered Participants
Withdrawal of conflicting national standard	Mandatory	Optional
Availability	National Announcement - mandatory	Voluntary publication

2. The different stages of a Workshop

The different stages of a WS



Proposing a new Workshop

Workshop description form

- ▶ The WS proposer can be **any stakeholder** (often an EU project) and need to be supported by a **CEN and/or CENELEC Member that will hold the WS secretariat**
- ▶ First contact of the proposer for finding a Member is usually a Member already involved in the project, but exceptionally it can be CCMC
- ▶ Once an agreement between the proposer and a Member is found, the WS secretary shall prepare a **WS description form** and submit it to CCMC Standardization Director
- ▶ The CCMC Standardization Director appoints a sectoral PM to follow-up

Initiating the Workshop

Announcement and commenting phase

- ▶ The WS and the related planned CWA(s) are:
 - ▶ Posted on the CEN and CENELEC website for **30 days for commenting**
 - ▶ Announced to the CEN and/or CENELEC BT

- ▶ Accompanying documents:
 - ▶ WS description form, part B (Draft Project Plan)
 - ▶ Commenting form
 - ▶ Kick-off meeting agenda
 - ▶ Registration form
 - ▶ Draft CWA (if available)

Launching the Workshop

Kick-off Meeting (KoM)

- ▶ During the KoM
 - ▶ Appointment of WS Chairperson and WS Secretary
 - ▶ Consideration of comments & Approval of Project Plan
 - ▶ Definition of working modes

- ▶ After the KoM
 - ▶ Registration of WS and CWA in the CEN and CENELEC Database
 - ▶ Registration of participants

WS Participants

Conditions of participation in Workshop:

- ▶ Signature of Registration Form
- ▶ Agreement to assign exploitation rights of individual contributions to Workshop deliverables to CEN and CENELEC
- ▶ Joining the CEN and/or CENELEC Workshop after the kick-off meeting is possible but subject to the agreement of the CEN and/or CENELEC Workshop

Participation in Kick-off Meeting \neq Participation in the Workshop

Role of Workshop Participants:

- ▶ Providing comments and input on draft documents
- ▶ Approval of the Workshop Agreement

- ▶ The WS works by correspondence/in person and draft the document in line with:
 - **CEN and CENELEC Internal Regulation part 3** “Principles and rules for the structure and drafting of CEN and CENELEC documents”
 - and the **CWA simple template**
- ▶ Once a **stable CWA draft is reached**, if defined in the Project Plan/decided by the WS:
 - Final draft CWA text posted at CEN and CENELEC website for **public consultation for 30 days**
 - CEN and/or CENELEC **BTs are informed**
- ▶ **WS consensus on the final CWA:**
 - The registered WS participants send their position on the final document
 - **All positions and comments considered** by the WS before publication

Approval and availability

- ▶ The **WS approves** the final CWA
- ▶ The secretary shall submit it through the **Submission Interface**
- ▶ CCMC performs a **light editing**
- ▶ **Publication**
- ▶ **Notification** to National Members

- ▶ **A CWA is valid for 3 years**, after which two possible cases apply:
 1. If the maintenance of the CWA **has not been previously allocated to a Technical Body**: CCMC notifies the BT Permanent Delegate of the National Member holding the CEN Workshop secretariat that the 3-year limit has been reached.

The WS secretariat shall then consult the participants of the Workshop and, when possible, the Workshop Chair and the relevant Technical Bodies;
 2. If the maintenance of the CWA **has been previously allocated to a Technical Body**: its secretary shall launch a ballot within the Technical Body

Lifetime, review and conversion into another CEN or CENELEC deliverable



- ▶ In both cases, the consultation aims at establishing if the CWA shall be:
 - ▶ **Confirmed** for another 3 years or
 - ▶ **Revised** or
 - ▶ **Converted** into another deliverable or
 - ▶ **Withdrawn**

Lifetime, review and conversion into another CEN/CENELEC deliverable



- ▶ CWAs have a **maximum lifetime of 6 years**
- ▶ After 6 years from initial publication, even where the CWA has been revised during this time, **the CWA is submitted by CCMC to the CEN and/or CENELEC BT(s) for decision regarding its withdrawal**
- ▶ At any point in its lifecycle, **a CWA can be converted into another standardization deliverable** (e.g. a TS or an EN), at the initiative of CEN Members or of a CEN and/or CENELEC Technical Body
- ▶ This conversion shall be conducted according to the [CEN-CENELEC Internal Regulations - Part 2](#)

- ▶ [CEN and CENELEC Guides](#)
- ▶ CEN and CENELEC Internal Regulations, [part 2](#) and [part 3](#)
- ▶ [Forms and templates](#)
- ▶ [CEN BOSS](#)
- ▶ [CENELEC BOSS](#)

3. Main changes from the 2020 edition

- ▶ Revised through a Task Group (TG) of the CEN-CLC/BT WG 14 “Rules and processes”
- ▶ Review started in June 2023 and ended with a proposal for revision in December 2023
- ▶ New Guide 29 approved in February 2024 by CEN and CENELEC BTs
- ▶ **Published in March 2024**
- ▶ [Link](#)

- ▶ Proposal form and Project Plan template merged into a **Workshop description form** to be submitted to CCMC* once at the beginning of the process:
 - ▶ **Part A – Workshop summary**
 - Allows for a quick review of the main aspects of the WS and the CWA, and identifies the relevant stakeholders and bodies to be informed or consulted on the launch of the CEN or CENELEC Workshop
 - Similar to the old proposal form but it includes new fields (e.g. EU research project) and avoids ambiguity (e.g. on stakeholders to be consulted)
 - ▶ **Part B – Project Plan**
 - Explains background, objectives, and details of the work to be done in the CEN or CENELEC Workshop
 - Similar to the Project Plan template but it looks more concise and avoids repetition of information
- * “The CCMC project manager shall review the Workshop description form and inform the WS secretary in case issues are identified”
- ▶ Improvement of **CWA NWI form**
 - It includes new fields useful for the registration of the CWA in the database and of the WS on the electronic platform
 - Allows for one single exchange with CCMC Data service after the Kick-off meeting, with codified fields

- ▶ **Safety** excluded from the scope of CEN/CWAs

CWAs have the advantage to be elaborated in a fast and flexible way by having a lower degree of consent, being the first step towards a full standard. However, in the safety area, it is required to have a solid European wide consent as the CWAs address significant health and safety issues. In addition, the risk of confusion with standards and possible deliberate circumvention of standards needs to be minimized in this area.

- ▶ Prescriptive **consultation** within concerned Technical Bodies

30-days* consultation with the questions: "Does the proposed CWA conflict with a published EN?" and "are there arguments against the development of the planned CWA?"

* 45 days during holiday periods

- ▶ **Maintenance** of CWAs → Alignment with BT decision BT C062/2023

CCMC notifies the CEN/BT Member or CLC/BT Permanent Delegate of the National Member holding the CEN or CENELEC Workshop secretariat that the 3-year limit for a CWA has been reached + following steps

- ▶ Removed reference to **voting provisions** within a WS
Voting is still possible if decided so by the WS, but the impression that WS operate by vote (as in Technical Bodies) should not be given
- ▶ Possibility of **free download**
The clause on “Distribution of CWAs in the R&D and ICT domains”, removed from Guide 10, has been included in Guide 29 (clause 8)
- ▶ Better definition of **roles** (CCMC, WS secretary, WS Chair, BT...) and update of **matrix of responsibilities** in Annex A
Less ambiguity on who does what. In the matrix, a column for BTs and one for the Technical Bodies have been added

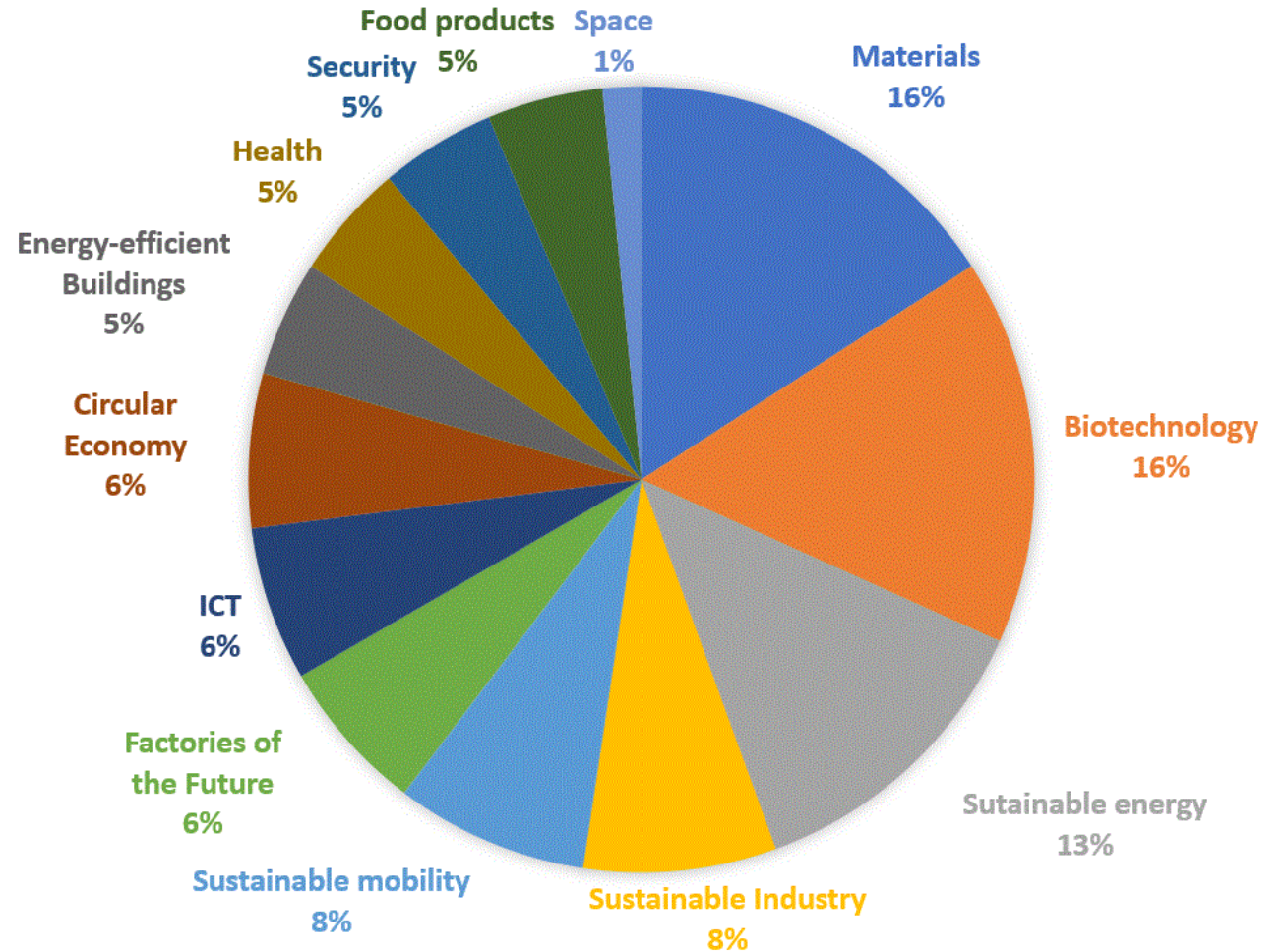
4. The practical experience from UNE

UNE Normalización
Española



- ▶ Private, independent, non-for-profit association.
- ▶ Members > 530; Staff > 85 persons.
- ▶ Established 1986 (acronym AENOR until 2016).
- ▶ Legally designated as Spanish National Standardization Body, member of CEN, CENELEC, ETSI, ISO, IEC, COPANT.
- ▶ 36000 standards in catalog.
- ▶ 15000 experts from 6000 organizations.

- ▶ UNE is one of the most active NSB in European R&I projects.
- ▶ More than 110 (2012-2023)



Why R&I projects get involved in standardization?

▶ Benefits:

- ▶ Increased impact.
- ▶ Support to exploitation.
- ▶ Networking.
- ▶ Strategy (longer term).

▶ EU related policies:

- ▶ Knowledge Valorisation Policy (Code of Practice on Standardisation).
- ▶ EU Standardisation Strategy.

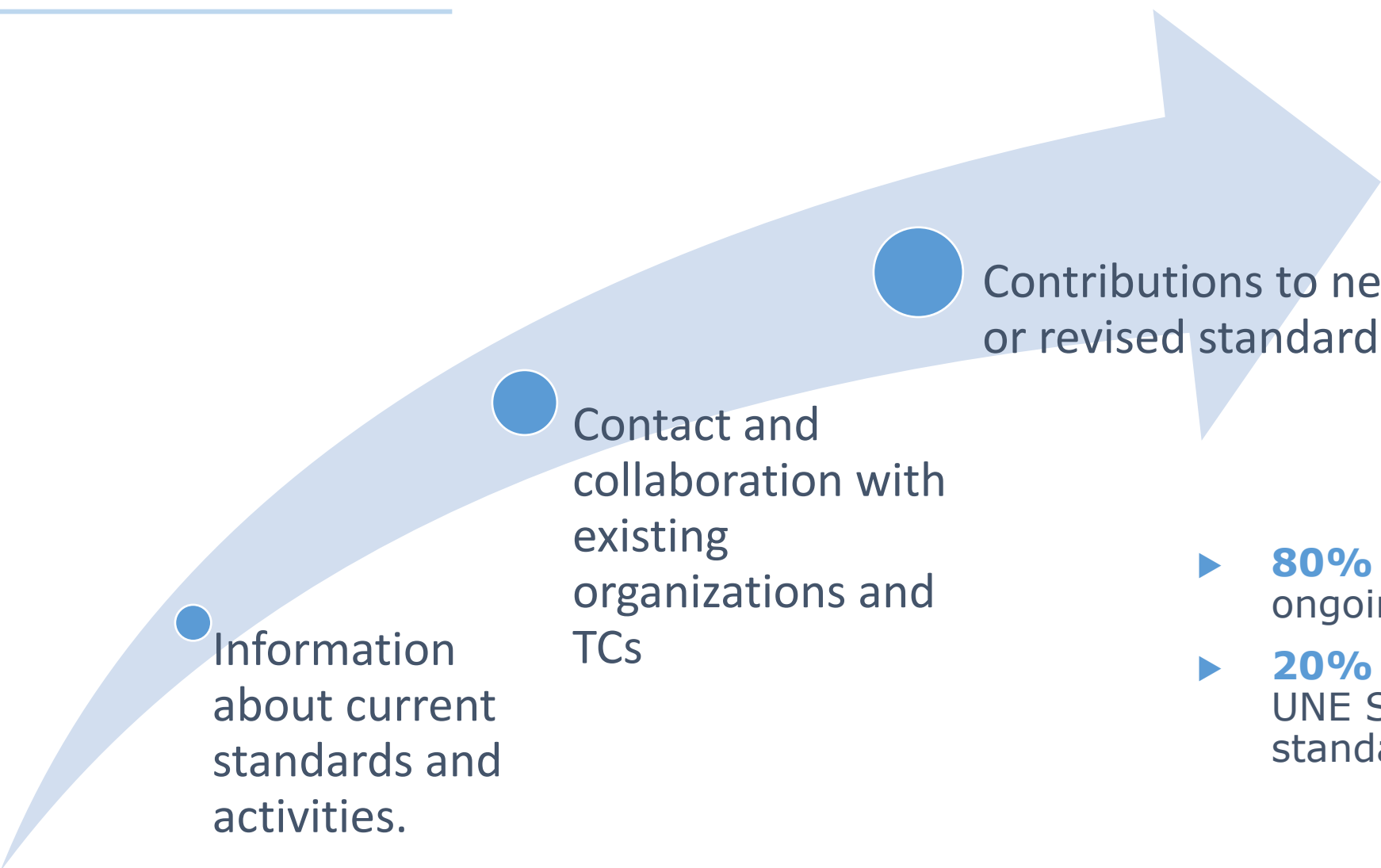


When to use standardization in a project?

- ▶ Explicit requirement in calls.
- ▶ Implicit references in calls:
 - ▶ Market/industry uptake.
 - ▶ Replicability.
 - ▶ Interoperability.
- ▶ Increase **quality/completeness** of the proposal.



UNE's activities in R&I projects



Information about current standards and activities.

Contact and collaboration with existing organizations and TCs

Contributions to new or revised standards

- ▶ **80% CWAs** (60 published or ongoing).
- ▶ **20% other** results (EN, TR, UNE Specifications, review of standards, creation of WGs...).

Benefits of CWAs

- ▶ Fast elaboration (during the project).
- ▶ Specific document for R&I results.
- ▶ Can be promoted as a future EN or ISO standard.

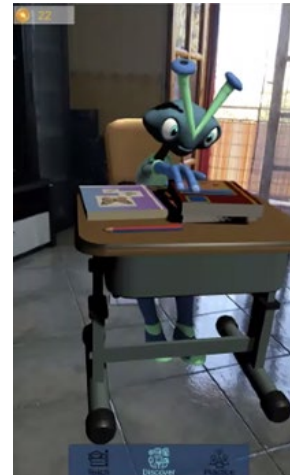


Combination with other results:



Advanced materials solutions for next generation high efficiency CSP tower systems (H2020 NMBP-17-2016):

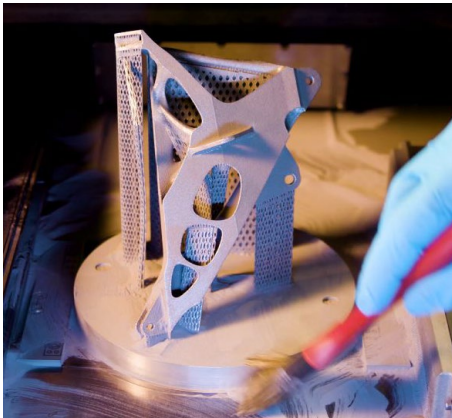
- ▶ CWA 17726:2021 High temperature accelerated ageing of advanced ceramic specimens for solar receivers and other applications under concentrated solar radiation.
- ▶ Revision of ISO 18755 in ISO/TC 206 "Fine ceramics".



Augmented reality interactive educational system (H2020 ICT-25-2018-3):

- ▶ CWA 18006:2023 eXtended Reality for Learning and Performance Augmentation - Methodology, techniques, and data formats.
- ▶ Leading different ISO/IEC and IEEE WGs, publishing standards there (e.g. IEEE 1589-2020 'Augmented Reality Learning Experience Model', IEEE XR Ethics report, etc.)

Upgrade of CWAs:



Increasing resource efficiency of aviation through implementation of ALM technology and bionic design in all stages of an aircraft life cycle (H2020 MG-1.2-2015):

- ▶ CWA 17453:2019 Optimized ALM support structures made from Al alloys.
- ▶ CWA 17454:2019 Quality control of metal ALM parts using the Ultrasonic Technique.
- ▶ Possible upgrade to ISO standard in ISO/TC 266 "Biomimetics".

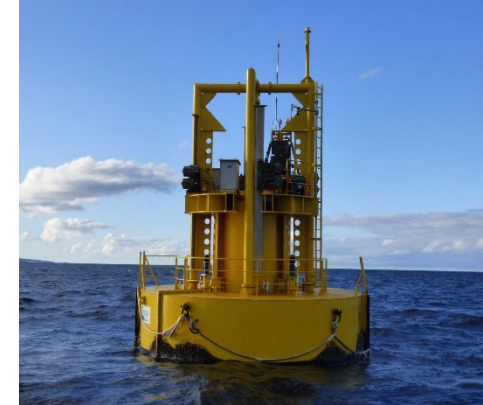
Involvement of TCs:

INKplant



Ink-based hybrid multi-material fabrication of next generation implants (H2020-NMBP-21-2020):

- ▶ 3 CWAs under development about processes for ink-based mono and multi-material fabrication of additive manufactured body implants.
- ▶ Participation of [CEN/TC 438](#) "Additive Manufacturing", and possible adoption in the TC catalog.



Surging energy absorption through increasing thrust and efficiency (H2020-LCE-2017-RES-RIA):

- ▶ [CWA 50271:2021](#) Recommendations for a modular Power Take-Off for wave energy direct drive linear solutions.
- ▶ [CWA 50272:2021](#) Methodology, procedures and equipment required for the laboratory testing of a modular Power Take-Off for wave energy converters
- ▶ Collaboration with [IEC/TC 114](#) "Marine energy".

Relation with patents:

BiZeolCat 

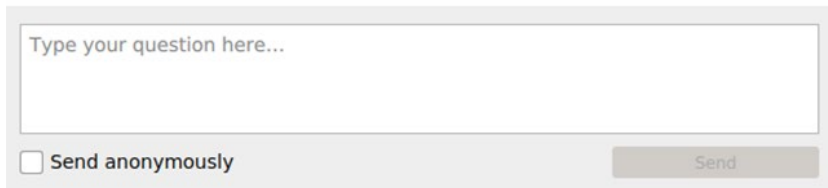


Bifunctional Zeolite based Catalysts and Innovative process for Sustainable Hydrocarbon Transformation (H2020 CE-NMBP-24-2018):

- ▶ CWA 17944:2022 Valorization of light hydrocarbons - One-pot method for the preparation of nanocatalysts for non-oxidative dehydrogenation (nODH) of light alkanes.
- ▶ Methodology **previously patented** in the project.

Question time

▶ Use the Q&A panel to submit your questions



Type your question here...

Send anonymously

Send

Question time





European Standardization Organizations

Thank you for your participation!

Upcoming webinars

2024-06-20 - Webinar for Standard Drafters: Live edit of a [CEN](#) or [CENELEC](#) deliverable.

2024-06-27 - Webinar ['Inclusive Standardization - Enhancing the involvement of societal stakeholders and SMEs](#)

2024-07-02 - [Webinar for Standard Drafters: All about Publications](#)