



INFORMATION FOR TECHNICAL BODY OFFICERS

Integrating Research & Innovation (R&I) with Standardization

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CEN-CENELEC

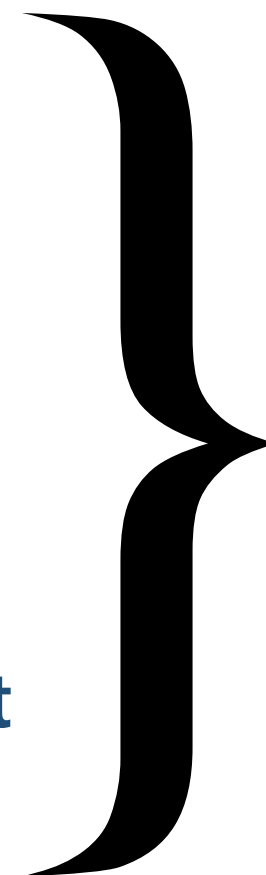


Strategy 2030

- ▶ Strategic Goal 1: EU and EFTA recognize and use the strategic value of the European standardization system.
- ▶ Strategic Goal 3: Increase the use and awareness of CEN and CENELEC deliverables.
- ▶ Strategic Goal 4: The CEN and CENELEC system to be the preferred choice for standardization in Europe.

The Challenges

- ▶ **Ever shorter** time to market and faster innovation
- ▶ **Digital transformation** of industry
- ▶ Continuous growth of **private** and **publicly-funded** R&I
- ▶ A **younger generation** of researchers and innovators
- ▶ Companies increasingly going **direct to market**, without first obtaining patents



A Challenge for CEN and CENELEC



3 Points of Focus

System Capacity

- **Best practice to involve research consortia in standardization**
- **'fast track process' – from CWA into a consensus standard (EN)**
- **Future Guide on Technology Transfer**

Linking with Research Projects

- **Analysis of Horizon Europe calls**
- **Research Project - Technical Body Liaison mechanism**
- **Researchers identify standardization needs in projects**
- **Research outcomes → TC Work Programme**

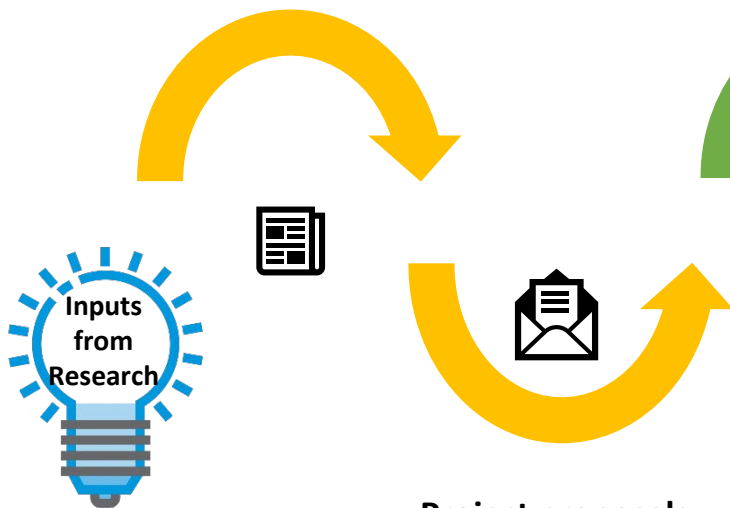
Engagement with researchers & innovators

- **Research intensive organizations**
- **Success stories (standards plus innovation)**
- **Awards for projects/researchers/young researchers**
- **Standards as Technology Transfer Tool**

Research Integration

Call for proposals

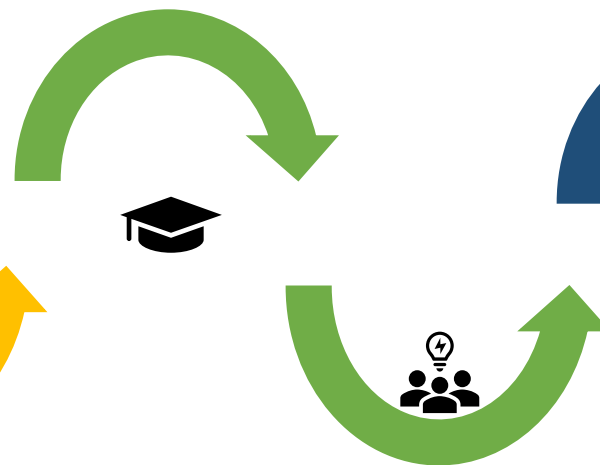
Call for proposal
addressing
standardization



Project proposals

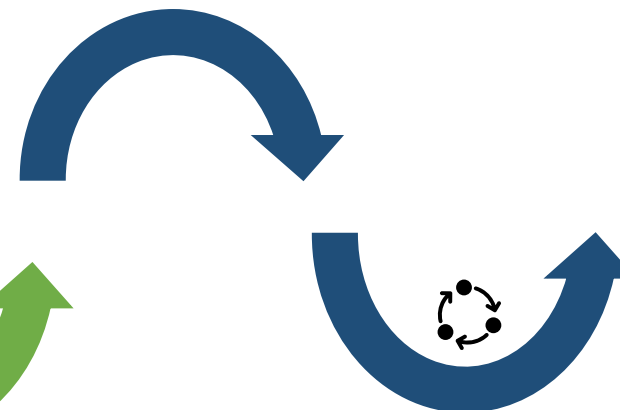
Research project

Research consortia
involving NSBs/NCs



Projects - TC liaison

CWAs linked with
research projects



Research outcomes
feed into TC Work
Programmes

ENs resulting from
research activities



Engage with R&I Community



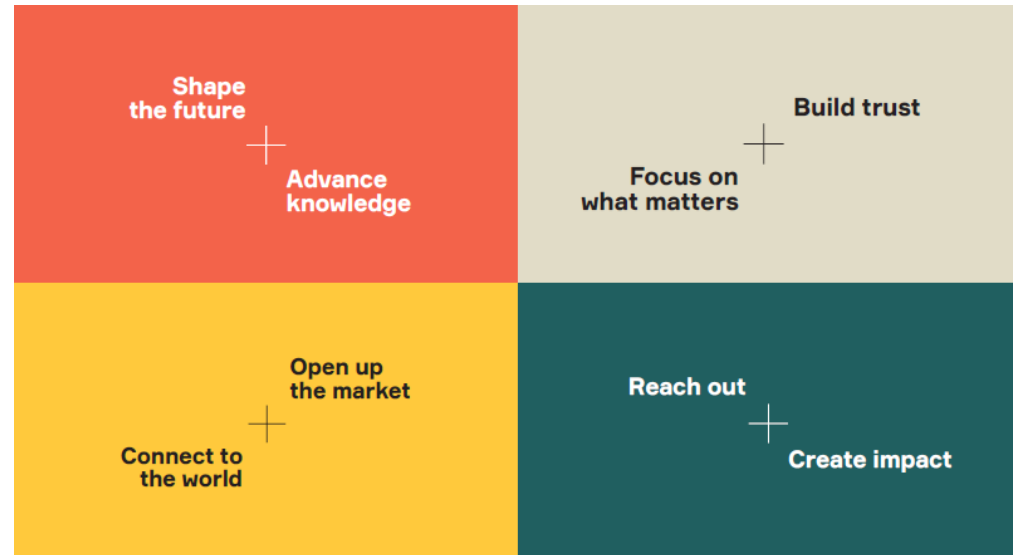
Congratulations to all 2021 winners!

SPIDIA4P

ILNAS DIN nen cen GENELEC



STAIR4SECURITY



Foresight Activities

- ▶ Linking international, national & European foresight activities
- ▶ Scanning Horizon Europe Calls for standardization relevance
- ▶ Submitting 5 new standardization opportunities per quarter to Technical Boards

Q1

- ▶ Exoskeleton
- ▶ Plastic biodegradability in open environment
- ▶ Carbon Capture and Storage
- ▶ Gene Therapy
- ▶ Radiation and ionising technology

Q2

- ▶ Flexible Electronics
- ▶ 4D Printing
- ▶ Desalination
- ▶ Digital Twin in Ocean Environments
- ▶ Smart Tattoos

Q3

- ▶ Flexible solar cells for portable devices
- ▶ Smart floating farms
- ▶ Food quality indicators
- ▶ DNA-Based data storage
- ▶ Airborne wind energy systems

Putting Science into Standards

- ▶ Annual Cooperation with Joint Research Centre
- ▶ Hosted since 2013; virtually in 2021
- ▶ Focus Groups created for following Workshops:
 - ▶ 2014 “Power-to-Hydrogen and HCNG”;
 - ▶ 2019 “Making quantum technology ready for industry”;
 - ▶ 2021 “Organ-on-Chip”





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Thank you!

Philip Maurer

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