

The logo for DIN, consisting of the letters 'DIN' in a bold, sans-serif font, with a horizontal line above and below the letters. It is positioned on a white square background within a dark blue rectangular area on the left side of the slide.

DIN

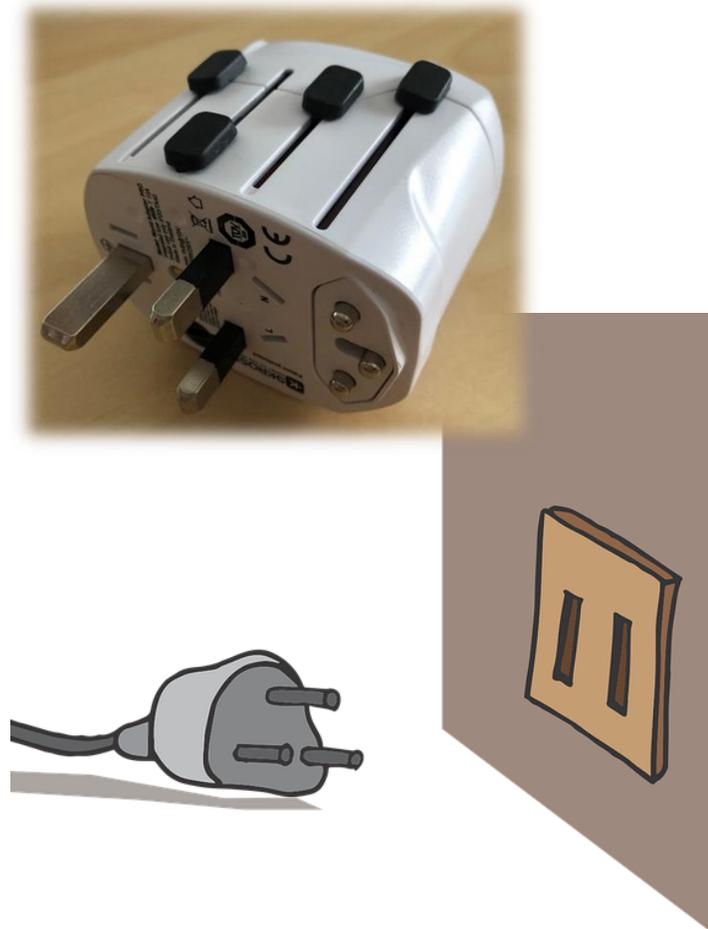
Joint training session HSbooster.eu & StandICT 2026

# Support provided by DIN to researchers & introduction to DIN SPEC

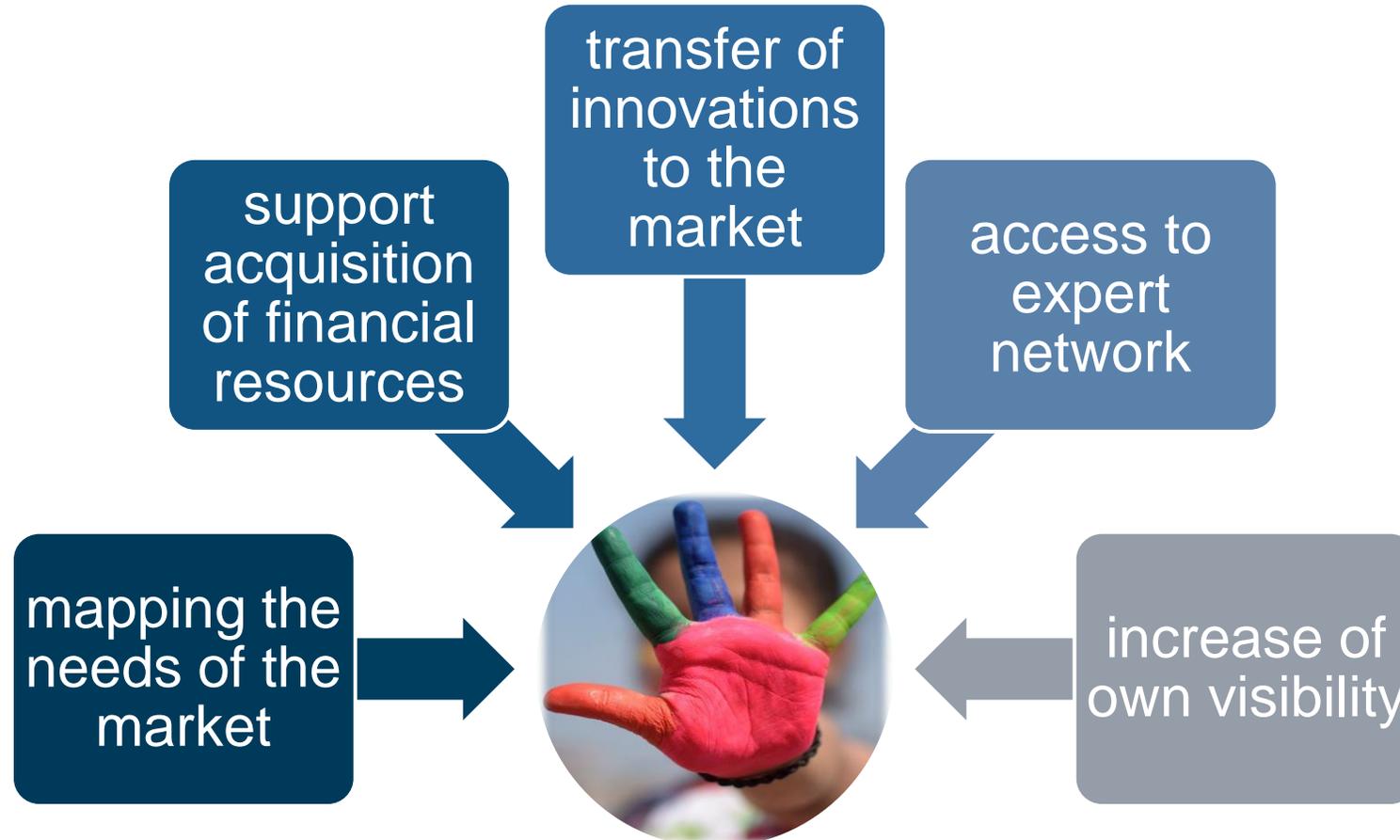
Dr. Christian Goroncy – Group Research and Transfer

01.02.2024

# Why taking care of standardization?



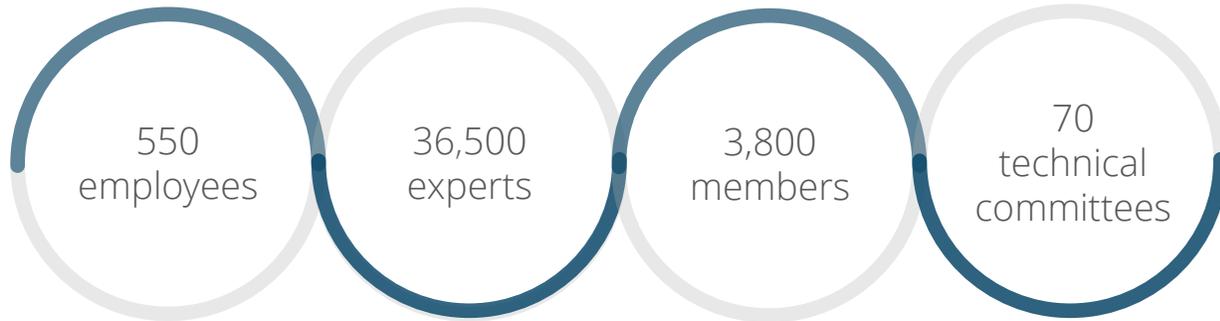
# Benefits for Researcher and Innovators



**Support provided by DIN for  
researcher**

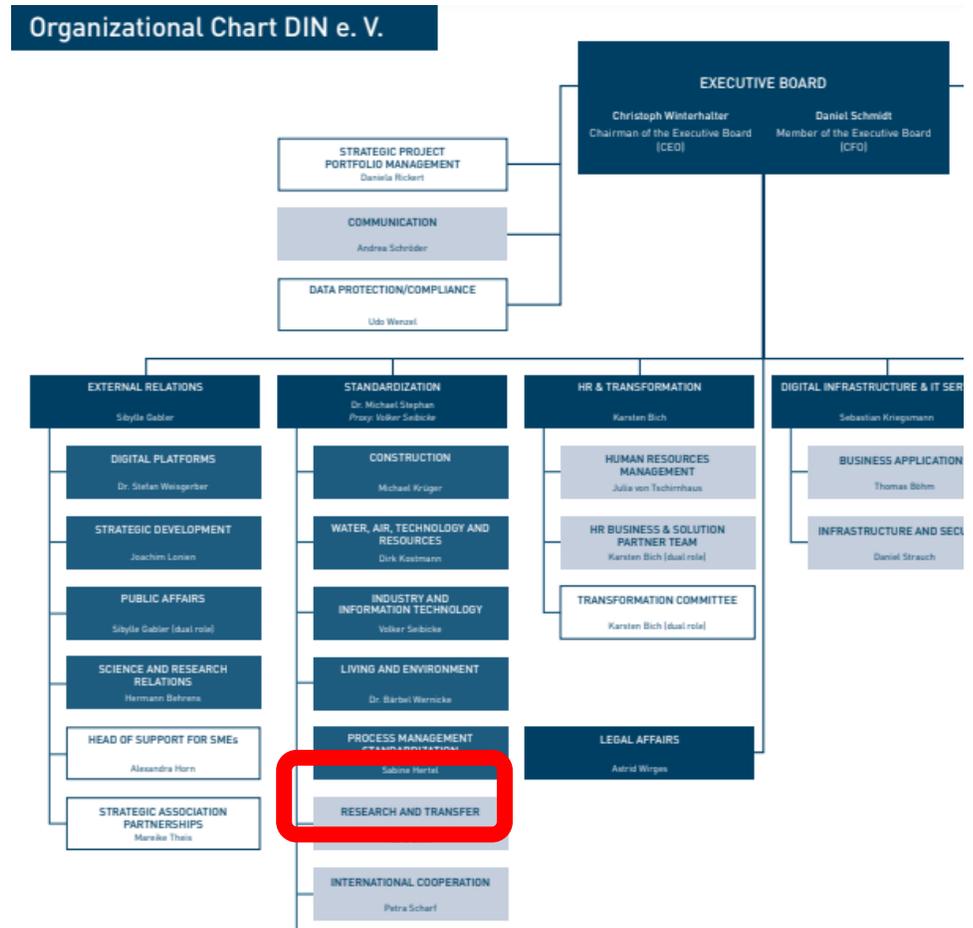
# DIN?

- service provider for standardization
- non-profit organization
- represents the interests of German stakeholders within European and international standardization
- partner in nearly 60 European and 50 national research projects

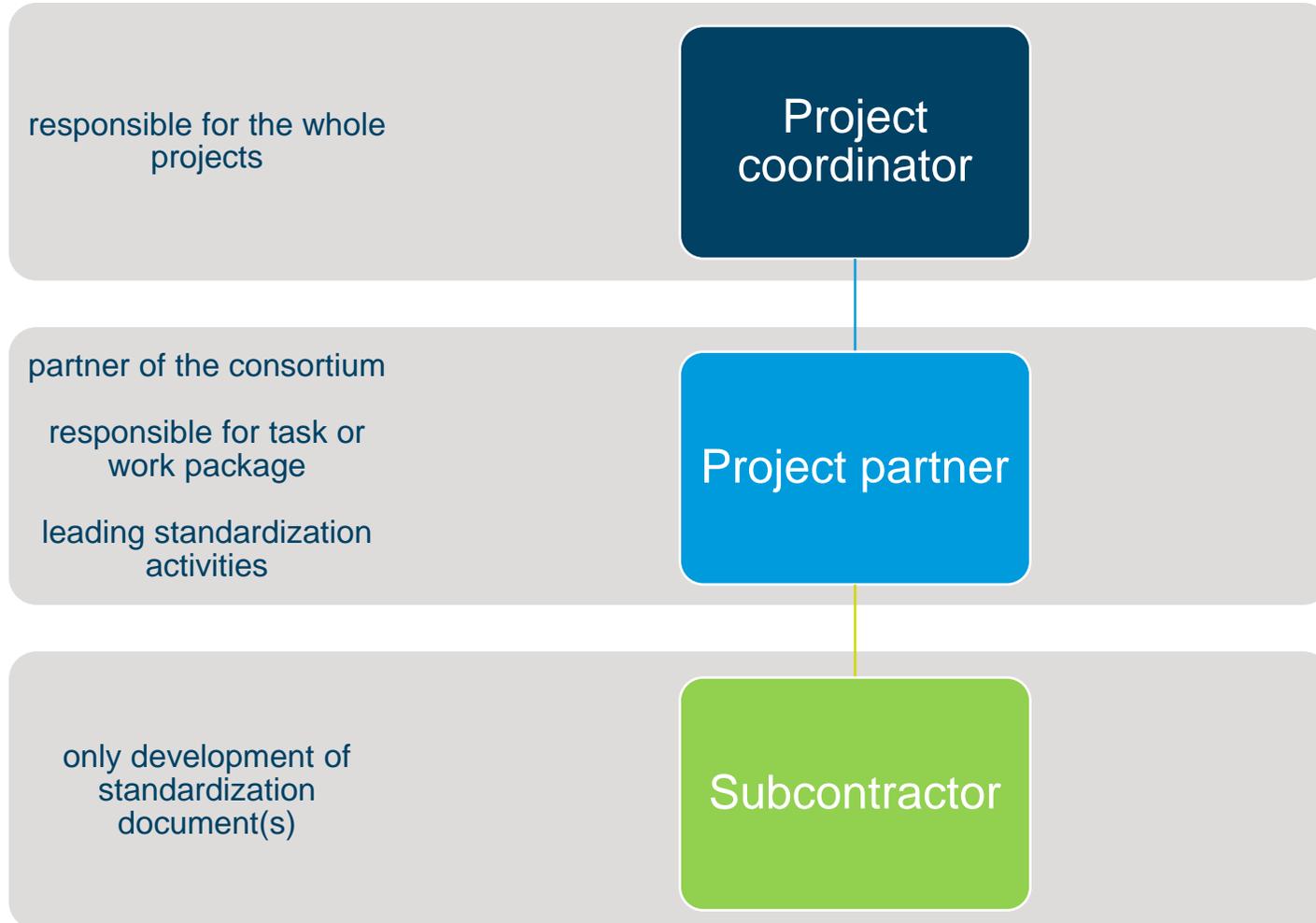


# FuT – Group Research and Transfer

- FuT directly under Management Board Standardization showing both independence of and connection to the standardization committees
- Tasks of the Group
  - acquisition of funding
  - participation in research projects
  - DIN Connect funding program
  - Mobility Office
  - Smart Cities Standards Forum



# What roles exist within research projects?



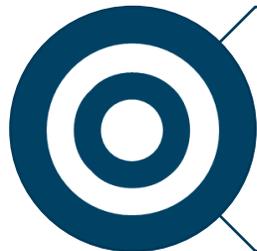
# What are typical tasks of DIN in research projects?



**Assessment** of existing standards, relevant technical committees and ongoing activities



**Evaluation** of potential standardization needs



**Project management** of standardization activities

# Typical results of funded projects (I)

## Visualization of standardization landscape

- CO2WIN Connect (national): Standards in the area of CCU

## Visualization and promotion of identified standardization needs

- ConCirMy (national)

## Development of a Standardization Strategy or roadmap

- OpenQKD (H2020): Current Standardisation Landscape and existing Gaps in the Area of Quantum Key Distribution

## Creation of Liaisons to Technical Committees

- INTEGRADDE (H2020): three liaisons, commenting of standards

# Typical results of funded projects (II)

## Contribution of project results to standardization projects

- INFRASTRESS (H2020)

## Creation or initiation of a NWIP or Working Group

- REACH (H2020): ISO/TC 314/WG2

## Development of specifications (DIN SPEC, CWA) or standards

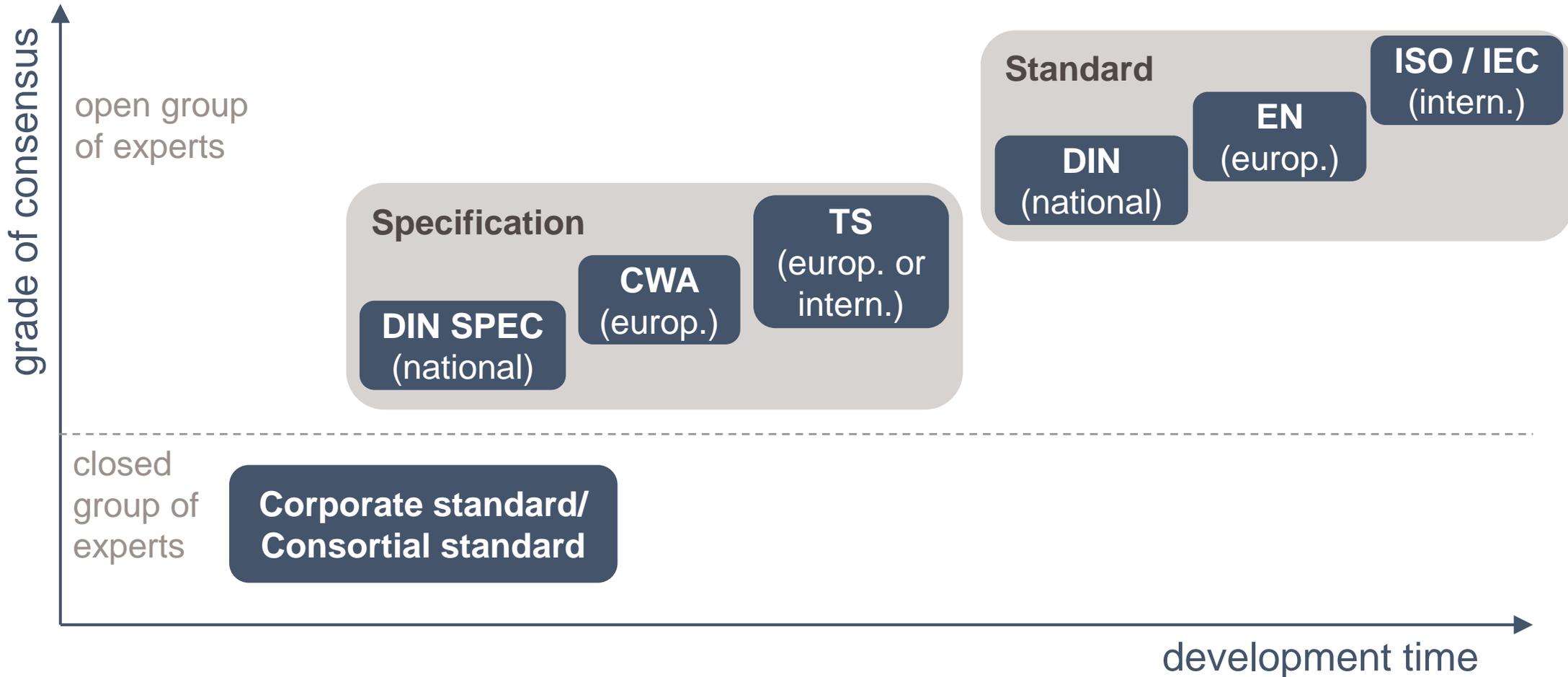
- BIMprove (H2020): CWA 18046 : Position markers for digital applications on construction sites, structural monitoring and BIM-applications

## Development of standards

- SPEDIA/SPEDIA4P (H2020): CEN/TS 16826-3, CEN/TS 17305, CEN/TS 17390-1, CEN/TS 17390-2, CEN/TS 17390-3, CEN/TS 17626, EN ISO 4307, EN ISO 20166-4, EN ISO 20184-3, EN ISO 23118

# Introduction to DIN SPEC

# Different types of standards



# How are DIN SPECs developed?

Anyone can  
initiate  
a DIN SPEC.



DIN publishes the  
final DIN SPEC

During the  
workshop phase,  
a minimum of  
three parties  
develop the  
content of the DIN  
SPEC.

DIN SPECs are:

- ✓ fast
- ✓ flexible
- ✓ transparent
- ✓ accepted
- ✓ recognized

# DIN SPEC process – Overview

- Submission of proposal
- Internal review of the proposal
- Drafting of the business plan
- Publishing the business plan for 4 weeks

Initiation

- Starting the technical work (content)
- Finalizing the draft
- Optional: Publishing the draft for comments (2 months period)

Development stage

- Approval of the DIN SPEC by participants
- Publishing the DIN SPEC by Beuth Verlag (DIN's publisher)

DIN SPEC

# Comparison DIN SPEC and DIN standard

## DIN SPEC

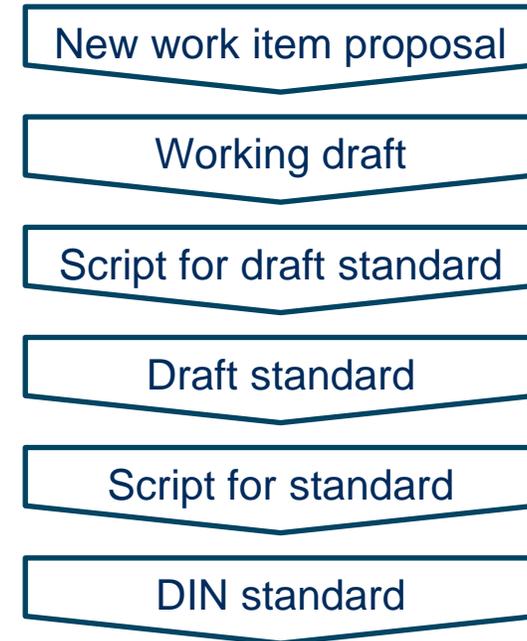


Systematic review after 3 years

## Additional requirements for formal standards

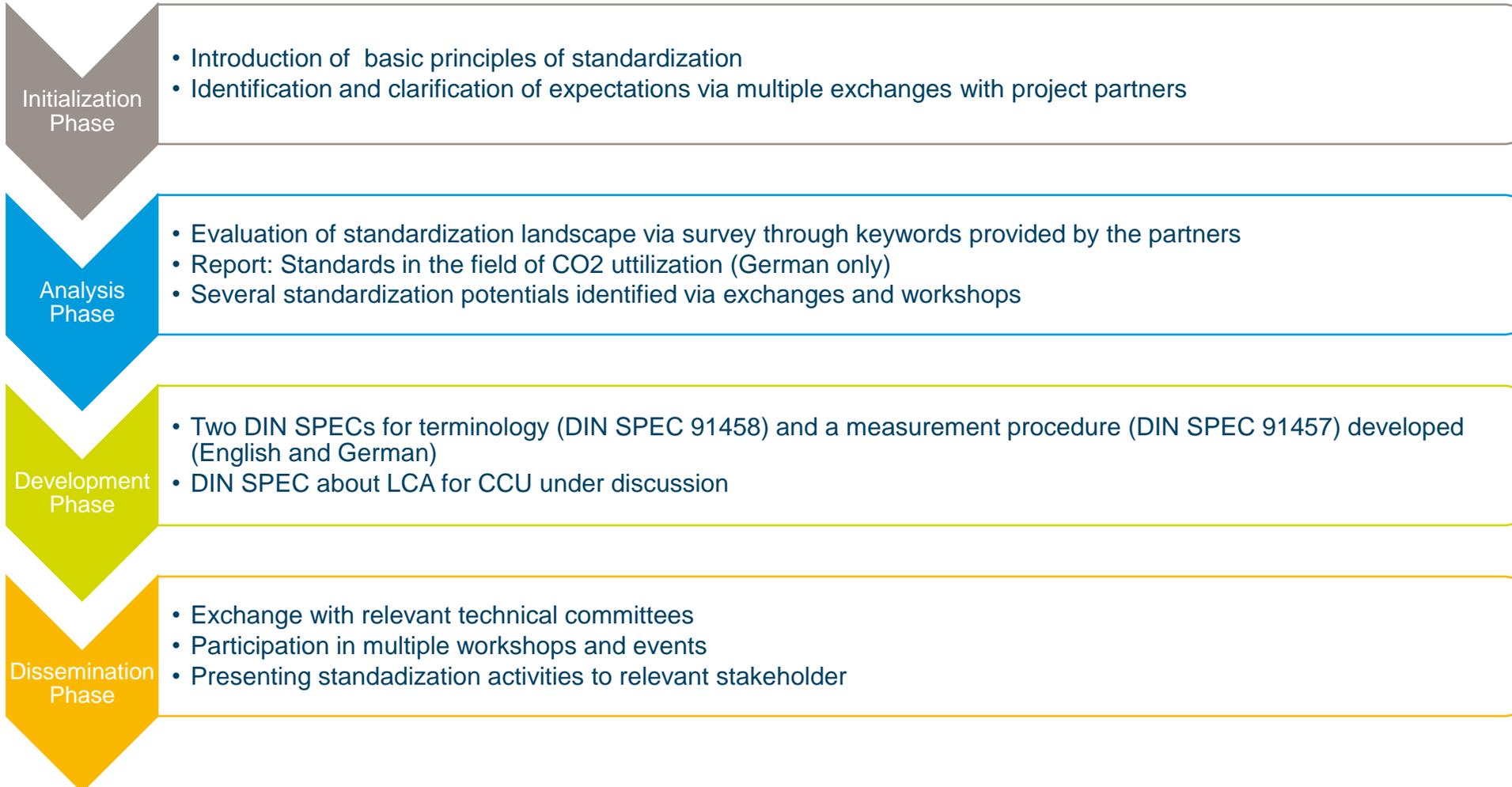
- All stakeholders involved
- Consensus
- Publication of a draft

## DIN standard



Systematic review after 5 years

# Examples – CO2WIN Connect



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# Why should you consider standardization?



standards accelerate **knowledge and technology transfer** from research to market



awareness for standardization reduces the risk of **adaption costs and stranded assets**



early identification of future standardization areas enables **pioneering role in future technologies**



contributing to standardization **increase the awareness for your innovation and your network**

# Standards + Innovation



The banner features a navigation bar at the top with the following items: 'Standards + Innovation' (with a plus sign between the words), 'Home', 'Researchers', 'Innovators', 'Awards', 'Get started', 'Stories', and 'Learn more'. Below the navigation bar is a photograph of four diverse people (three men and one woman) gathered around a computer monitor in a collaborative work environment. Overlaid on the right side of the photograph is a large red rectangular box containing the text 'Could your R&I project benefit from standardization?' in white. Below this text is a white rectangular box with the text 'Some questions to consider' in red. To the right of the red box is a red square containing a white location pin icon, and below that is a white arrow pointing to the right. A white arrow on the left side of the photograph points to the left.

<https://www.standardsplusinnovation.eu/>



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**DIN**

# DIN SPEC process – Initiation



- Initiator submits proposal to DIN
- Internal review: Relevant standards committees are consulted
- Chairman of DIN's executive board gives approval to continue initiation process
- Business plan developed together with Initiator
- Business plan made public on DIN website for 4 weeks for commenting and kick-off registration
- Proposal approved by DIN's executive board

# DIN SPEC process – Development



- Kick-off meeting: Consortium constituted when business plan accepted, workshop leader elected, project details drawn up
- Contract concluded between initiator and DIN
- Consortium drafts script
- Optional: Draft published for 2 months
  - Draft adopted by consortium (simple majority)
  - Consortium decides on processing received comments

# DIN SPEC process – Publication



- Consortium adopts DIN SPEC (simple majority)
- Approval by DIN's executive board
- Free-of-charge publication by Beuth Verlag
- Notification of publication in DIN-journal and DIN website

# DIN SPEC process – Review



Maximum period of validity of 6 years per edition. First review takes place after 3 years after publication by DIN in coordination with the DIN SPEC consortium:

- Extension of validity (state of the art)
- Withdrawal
- Revision of DIN SPEC (new edition)
- Proposal to adopt DIN SPEC as a formal standard