

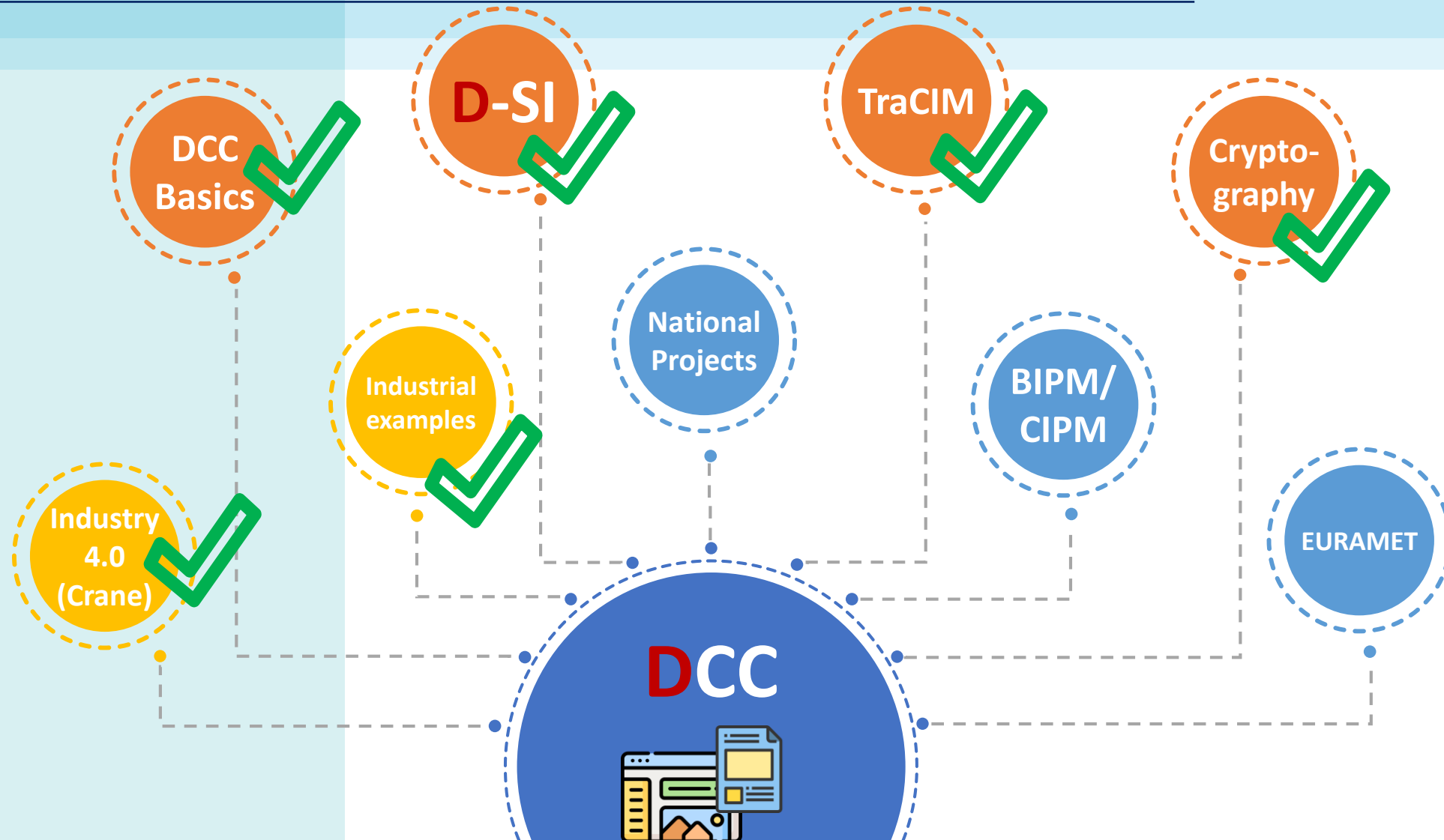
## The DCC beyond SmartCom

M4DT – Online Session III

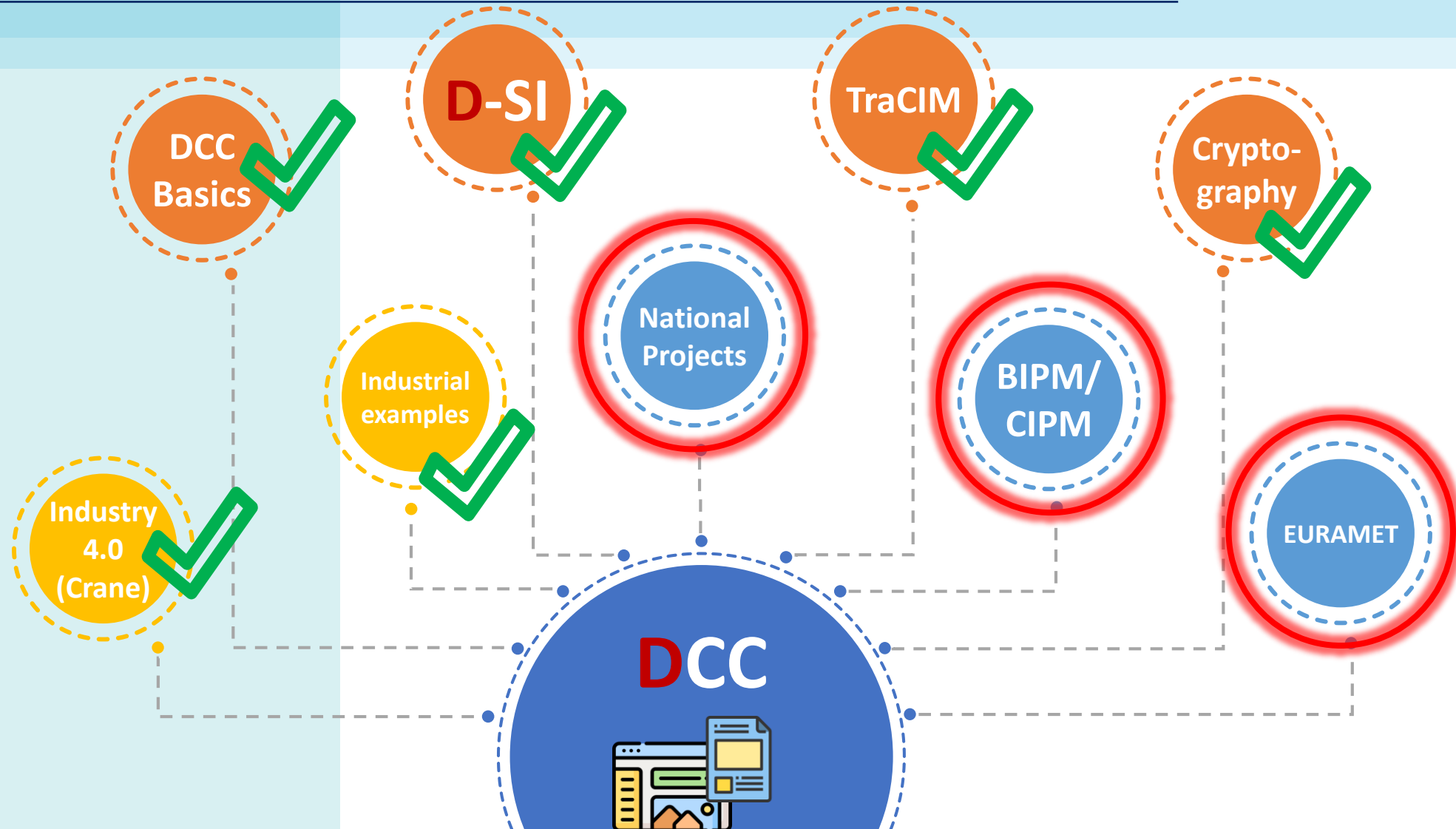
29-Sep-21

Wiebke Heeren

# DCC – Showcases



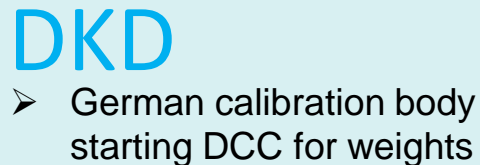
# DCC – Showcases



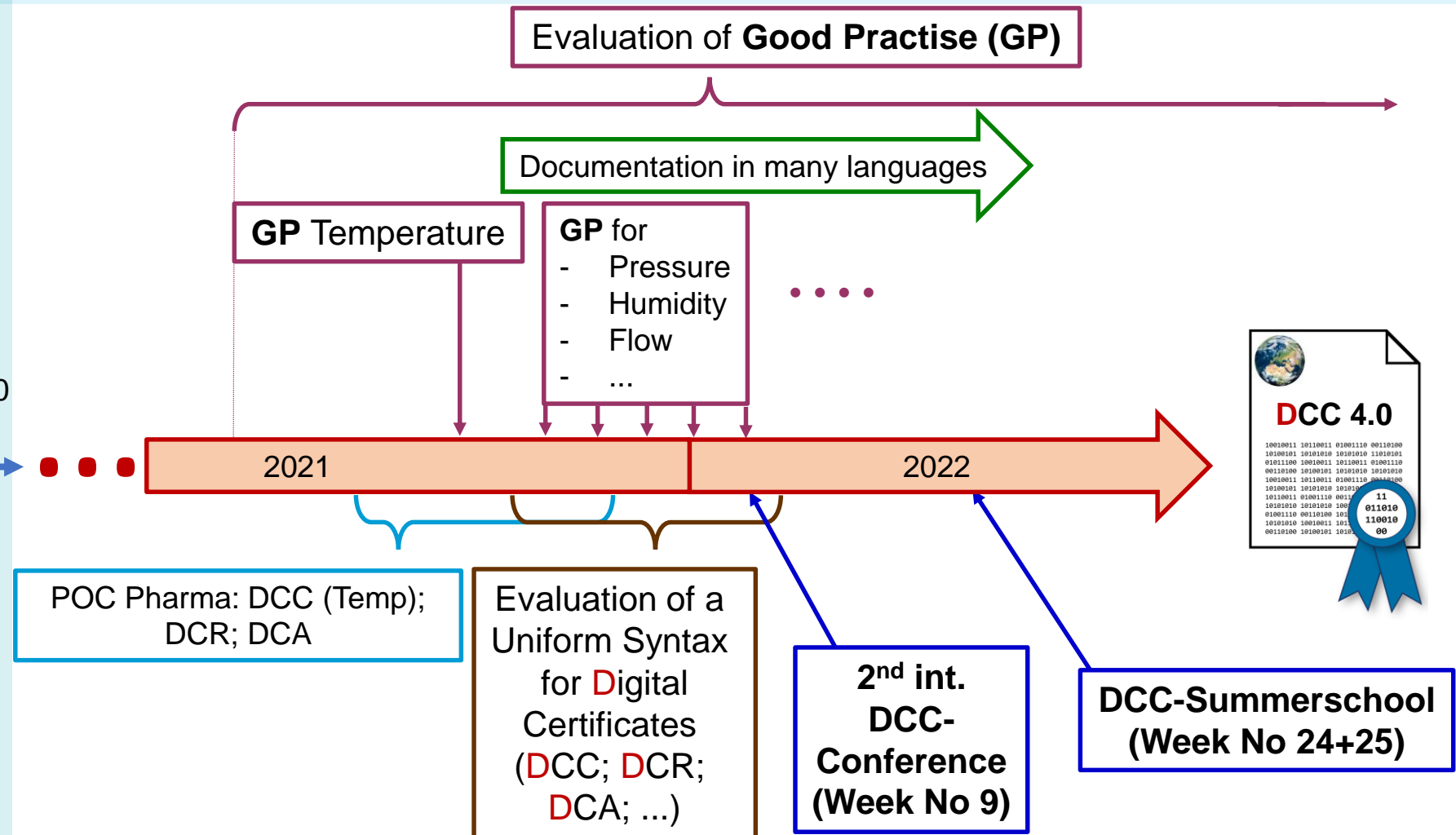
# DCC development beyond SmartCom



## National Initiatives



... and many more





TC-IM Working Group Metrology  
for Digital Transformation



TC-IM Project 1448 Digital  
Calibration Certificate



TC-IM Project 1449 Research Data  
Management

## Overarching aims and strategy

- > The big challenges in Digitalisation
- > NMI/DI & stakeholder needs
- > Relevant topics for future metrology research calls

**Results 2021:** Workshop with all TC chairs on DCCs -> Need of better understanding of DCCs & their benefits for fostering engagement and smart specialisation on DCCs

# DCC became THE global topic...



## ...for digital transformation in metrology

EURAMET TC-IM 1448

APMP, COOMET & SIM WGs

CIPM TG Digital SI topic

NCSLI 141 (MII)

Larger projects, e.g. GEMIMEG II

IEEE Metro&Ind4.0 06/2020

Int. DCC Workshop 10/2020

CIPM/BIPM WS "SI in FAIR" 02/2021

IEEE Metro&Ind4.0 06/2021

IMEKO World Congress 09/2021



And many more activities!

# Towards International Digital-SI



## New Project “International System of Units (SI) in the digital world” under the CIPM

Since 2019 Task Group and Expert Group working on international data models

Aim: International Resolution to facilitate Digitalization



→ „Grand Vision“: **uniform metadata format for all SI-based measurement data** in (international) QI, industry and science:

➤ **FAIR**: **F**indable, **A**ccessible, **I**nteroperable, **R**euseable + **Importance of T**raceable

## Results:

→ CIPM: anchor of trust of international digital QI

→ Digital Calibration Certificate (DCC): key product





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# Thank you for your attention!



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