

# *QI-Digital Initiative*

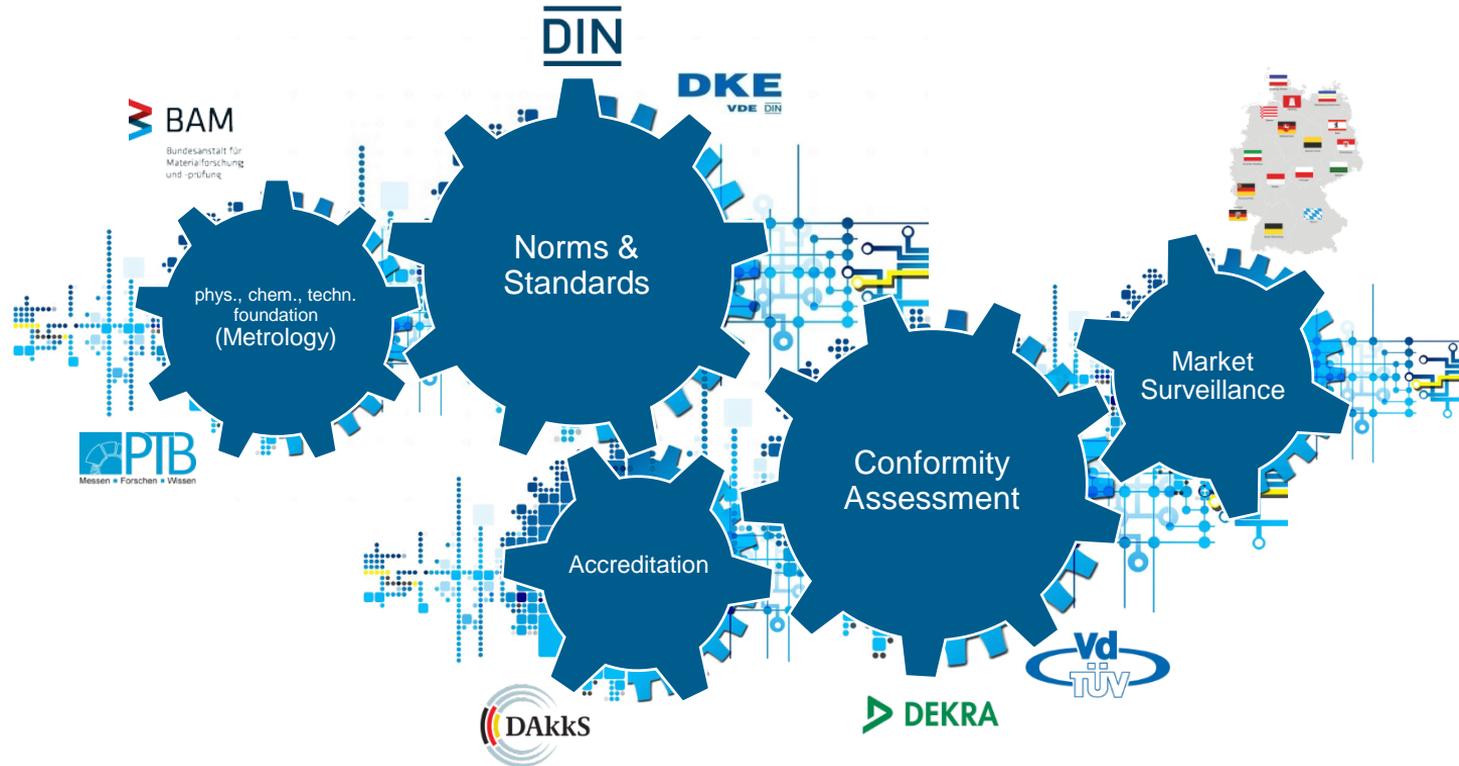
On behalf of the Chairman of the Advisory Board of the Initiative

QI-Digital is an initiative by



# QI-Digital\* Initiative

\*(Quality Infrastructure Digital)



## QI-Digital Initiative

- 2018** Foundation of the Quality Infrastructure Digital (QI Digital) project group with the BMWK
- 2019** Developed a common understanding and common goal/vision
- 2020** Research, transfer and implementation agenda handed over to BMWK
- 2021** LOI for the QI-Digital initiative at the Hannover Messe  
Financing through economic stimulus package  
Start of the Use Cases Hydrogen / AI in Medical Applications / Additive Manufacturing at BAM and PTB
- 2022** Launch of the QI-Digital Initiative  
QI-Digital website, Forum/Conference, QI-Digital network  
**Foundation of the advisory board**
- 2023** Start of projects on structural elements of a digital QI  
(linking Smart Standards, DSI, DCoC, QI Cloud, DPP).





## ZIELBILD

The digital and green transformation brings new expectations, challenges, but also new opportunities for quality infrastructure (QI).

### A digital and modern QI is

- a clear **competitive advantage** for the economy
- a critical success factor for the **digital and green transformation**.

The necessary further development of QI requires the commitment of all elements of QI and involved and affected stakeholders (companies, standards users, manufacturers, etc.).

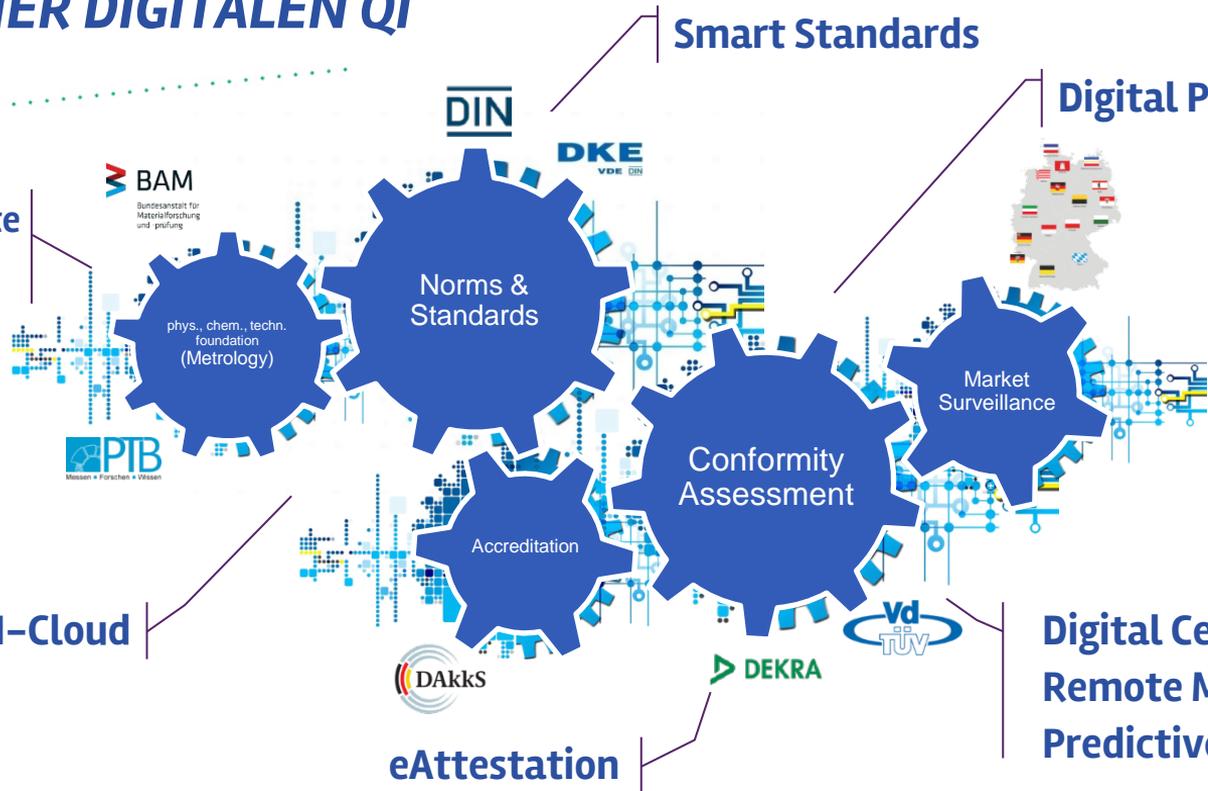


A digital QI should:

1. Be able to **address novel / innovative products and processes of the digitalized** world quickly, sustainably and continuously and also take into account the topics of security, data security and data sovereignty
2. Keep pace with the economy and make use of current technologies to provide a **faster, more effective and efficient ecosystem** – preferably from a single source
3. Be able to use digital technologies to achieve a **holistic view of products** across the product creation and lifecycle, also against the backdrop of climate and social challenges

# ZIELBILD EINER DIGITALEN QI

Dig. calibration certificate  
Remote calibration



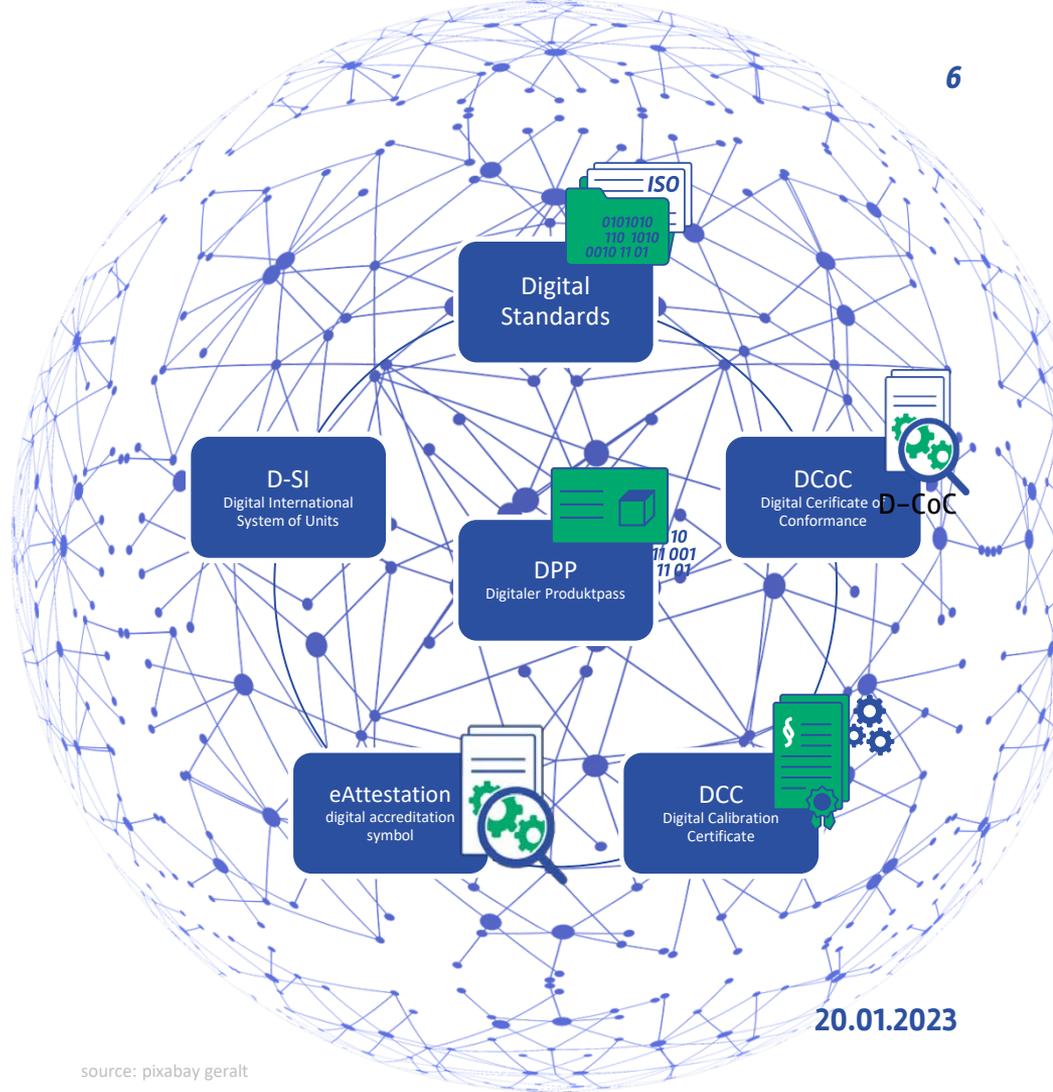
New digital solutions and tools for a digital quality infrastructure



# DIGITAL TOOLS

## Projects for

- ❖ Harmonizing the terminology
- ❖ Linking of D-SI and Formulas & Smart Standards  
(e.g. extension of ECLASS/CDD by SI)
- ❖ Linking between certificates and content of standards
- ❖ Mapping and linking with DPP \*incl. demonstrator in a DPP 4.0
- ❖ Standardization of data transfer between tools and further findings from the projects



*Qi-Digital – a modern quality infrastructure*

20.01.2023

# YOUR CONTACT PERSONS

## Coordination Team



**Dr. Claudia Koch**  
[claudia.koch@bam.de](mailto:claudia.koch@bam.de)  
 +49 30 8104 3718



**Susanne Kuch**  
[susanne.kuch@dakks.de](mailto:susanne.kuch@dakks.de)  
 +49 30 670591272



**Benjamin Helfritz**  
[benjamin.helfritz@din.de](mailto:benjamin.helfritz@din.de)  
 +49 30 26012791



**Johannes Koch**  
[johannes.koch@vde.de](mailto:johannes.koch@vde.de)  
 +49 69 6308 268



**Dr. Jens Niederhausen**  
[jens.niederhausen@ptb.de](mailto:jens.niederhausen@ptb.de)  
 +49 30 3481 9414

[info@qi-digital.de](mailto:info@qi-digital.de)

[www.qi-digital.de](http://www.qi-digital.de)



*Qi-Digital – a modern quality infrastructure*

20.01.2023