

QI-DIGITAL

The Quality Infrastructure (QI) is anchored in legal structures and trade agreements worldwide. It is the basis for verifiable and comparable quality, safety and environmental compatibility of products and services. It is based on the interaction of metrology, standardisation, conformity assessment, accreditation and market surveillance.

QI-Digital is an initiative of the central players in German QI: BAM, DAkkS, DIN, DKE and PTB. The initiative is funded by the Federal Ministry of Economics and Climate Action (BMWK). Our goal is to modernise the Quality Infrastructure (QI), to enable efficient digital quality assurance. Together with our partners from industry, society, research and politics, we create digital tools and processes for a digitally transformed quality infrastructure. In this way, we contribute to ensure the highest quality of innovative products and services of quality assurance globally in the future.

Our digital toolbox includes SMART Standards, Digital Certificates, the dataspace Quality-X, and the eAttestation (a specific digital state accreditation symbol of the German accreditation authority DAkkS).

We also investigate remote procedures for calibration, verification, and monitoring as well as data-driven and AI-based methods.

Currently we focus on three pilot projects:

AI in Medical Applications, Reliable Hydrogen Technology, and Additive Manufacturing for SMEs.

Our next global meeting is the QI-Digital Forum, to be held on 8 and 9 October 2025 at PTB in Berlin.

For more information please contact us: [info \(at\) qi-digital.de](mailto:info(at)qi-digital.de)

THE QI-DIGITAL ADVISORY BOARD

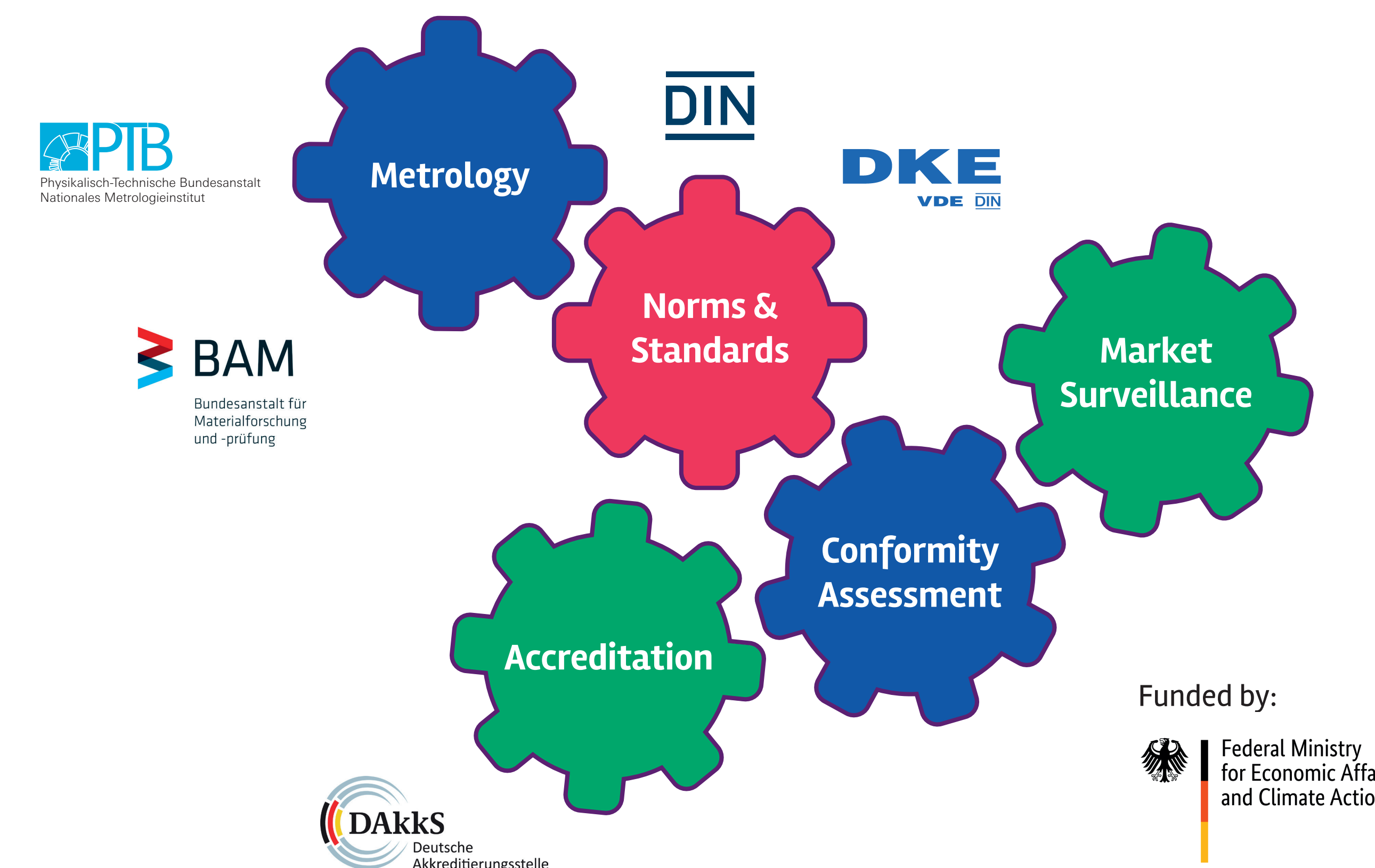


Permanent guests



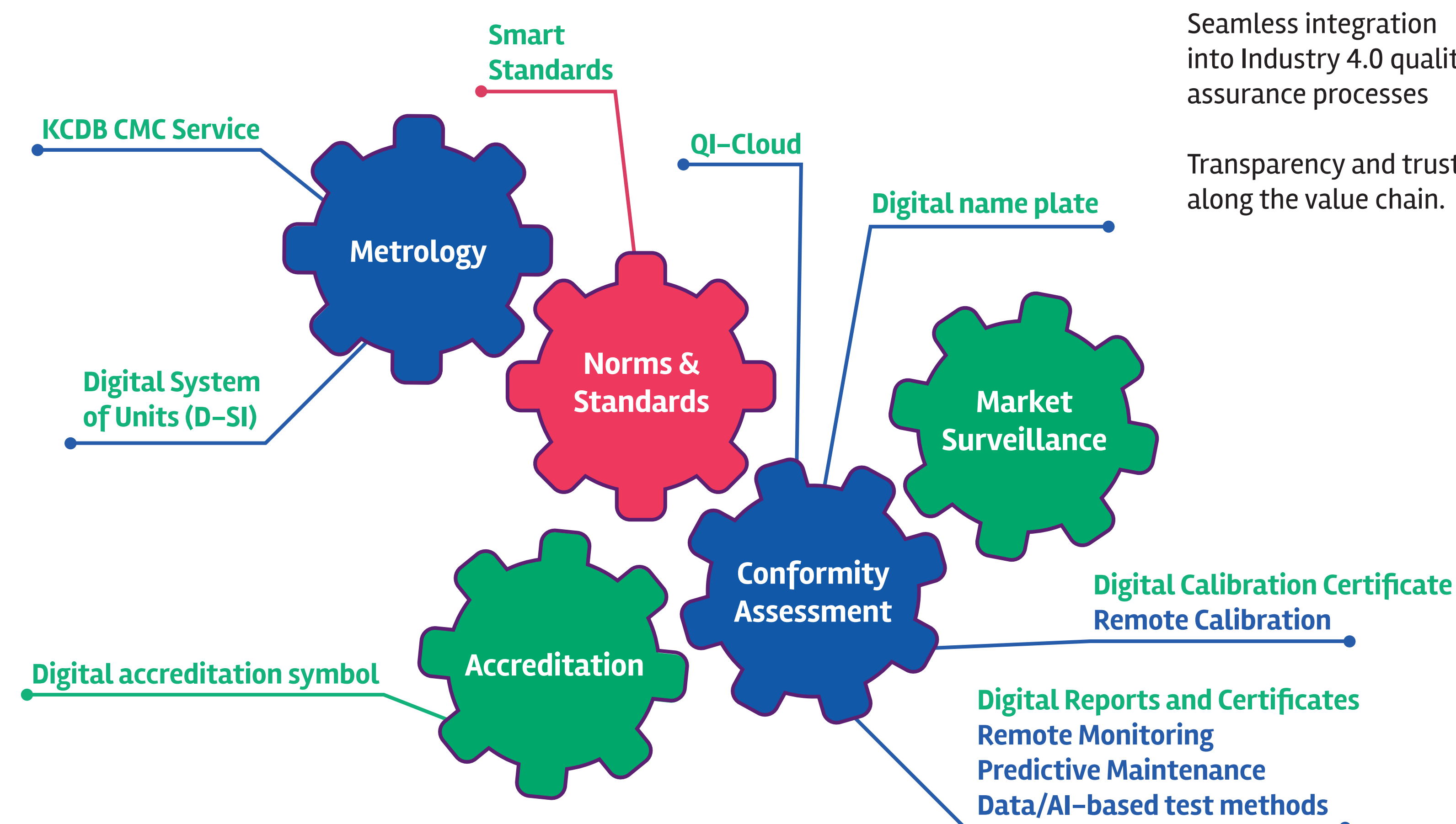
THE QI-DIGITAL INITIATIVE IN A NUTSHELL

The German Quality infrastructure



VISION OF A DIGITAL QUALITY INFRASTRUCTURE

Modern Methods and Tools



The digitalization of the quality infrastructure is a prerequisite for the Digital Product Passport

DIGITAL TOOLS

SMART Standards



- All relevant information in digital form
- Machine-readable and -executable

Digital Certificates & Digital Accreditation Symbol



- Digital, machine interpretable, and interoperable certificates for conformity assessments
- Can be issued with digital accreditation symbol as eAttestation

Quality-X



- Dataspace concept for the quality infrastructure
- Aligned with existing concepts and developments

QI-DIGITAL INNOVATION ECOSYSTEM

