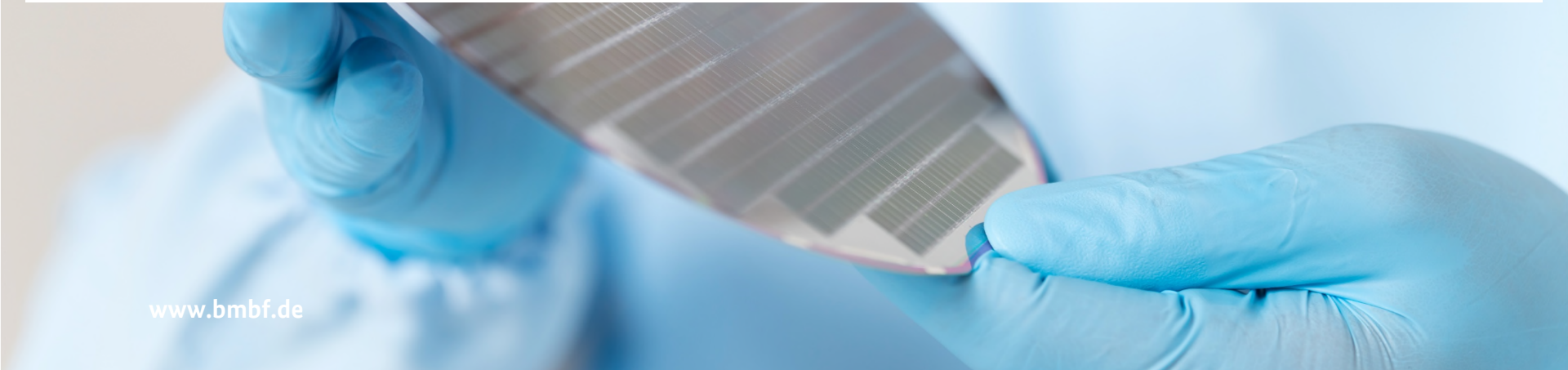




Bundesministerium
für Bildung
und Forschung

Microelectronics.
Trustworthy and sustainable.
For Germany and Europe.

www.bmbf.de





German Priorities for KDT

Important cross-cutting priorities for all thematic priorities

- Trusted electronics as a necessity for European sovereignty
- Green ICT to contribute to the climate change challenge
- SME-friendly topics and conditions to make KDT attractive for smaller companies
- Topics with high innovation gain to avoid large projects with incremental progress
- Focus on industry-led pre-competitive consortia with high risks and TRLs in the range 3-8



German Priorities for KDT

German Microelectronics Framework Programme 2021-24

Workshop 3: Green ECS and Decarbonisation

- Intelligent energy electronics: on-demand control of energy consumers (e.g. power amplifiers in 5G base stations)
- Edge computing: hardware tailored to the use case (e.g. zero-power sensor technology)
- Hardware/software co-design: energy efficient ECS
- Quantifying the CO₂ footprint of ICT and ECS / avoiding rebound effects