



Bundesministerium
für Bildung
und Forschung

Microelectronics.
Trustworthy and sustainable.
For Germany and Europe.



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 1: SW in ECS based digitization

- Software tools for (open source) chip and architecture development platforms (electronic design automation) for e.g. edge computing, AI, high performance computing
- Hardware-software co-design for e.g. neural networks, neuromorphic architectures
Goal: energy efficient ICT systems
- Edge computing: hardware tailored to the use case (e.g. energy efficient AI accelerators, zero power sensor technology)