



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 3: Multifunctional integration including integrated Photonics and flexible electronics

- Combining the benefits of silicon and photonics technology (e.g. communication systems, AI training and inference) - new design methods & tools
- New packaging and integration – including chiplets, heterogeneous integration, split manufacturing
- Electromagnetic compatibility in complex systems (e.g. point-of-care, lab-on-a-chip)