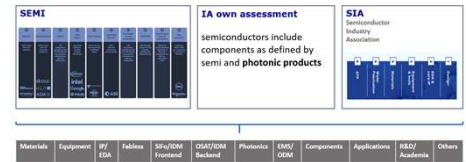
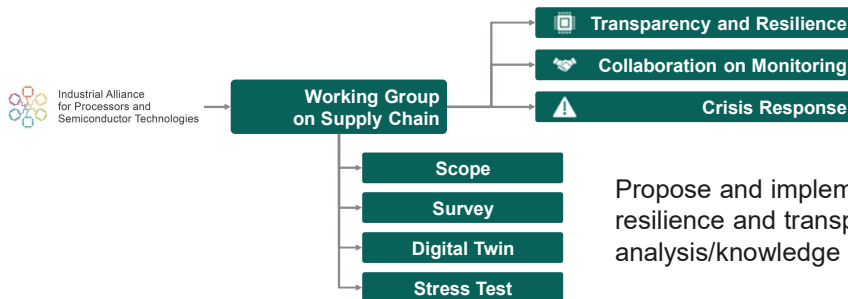


Supply Chain Working Group Cluster R&D/Academia



Objectives of the Supply Chain Working Group



An industry working group working for the European industry on **End-to-End semiconductor*** supply chain and supply chains containing semiconductors.

Join



Propose and implement measures to increase supply chain resilience and transparency, Support COM and ESB Board with analysis/knowledge and advise on possible future actions

Cluster Academia



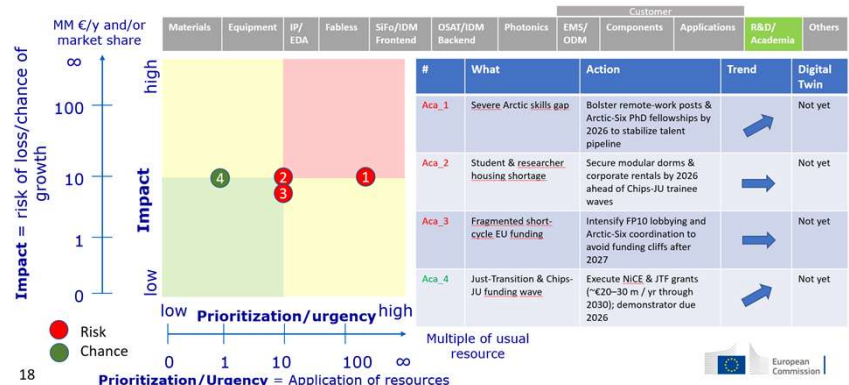
Definition:

Universities and public research organizations that **educate talent** and run shared cleanrooms, pilot lines, and design ecosystems for **semiconductor R&D**—often in close partnership with industry. This includes academic nanofabs and mission-driven R&D hubs that provide **CAD/PDK access, process labs, and prototyping**

Pivotal actors in semiconductor related academia:

- Imec [\[link\]](#) — EU Chips Act sub-2 nm pilot line lead; High-NA EUV lab with ASML
- CEA-Leti / MINATEC [\[link\]](#) — 300 mm pilot line and advanced integration (3D/FD-SOI)
- KAIST [\[link\]](#) — semiconductor devices/materials, IC design; advanced nanofab and industry collaboration
- TU Dresden ecosystem [\[link\]](#) — Leaders in hafnium-oxide ferroelectric devices and emerging memories
- MIT [\[link\]](#) — microelectronics and materials, IC/quantum/AI; Microsystems Technology Laboratories and strong industry ties
- University of Twente [\[link\]](#) — MESA+ NanoLab — Open-access nanofab (NanoLabNL) for academic R&D and pilot runs
- KTH Royal Institute of Technology [\[link\]](#) — Electrum Lab — now part of the EU Wide-Bandgap Pilot Line (SiC/GaN)
- Tsinghua University [\[link\]](#) — microelectronics, IC design, materials; state-of-the-art nanofabrication and research alliances
- Luleå University of Technology [\[link\]](#) — EISLAB/Electronic Systems with a microelectronics lab
- National Taiwan University (NTU) [\[link\]](#) — EECS and semiconductor research; nanofabrication facilities and TSMC/industry collaboration
- Fraunhofer [\[link\]](#) — Research & design services; IP cores (audio codecs, DSP/RF, RISC-V)
- KIT [\[link\]](#) — Artificial Intelligence for Materials Sciences (AiMat)

Feedback (on Definition, on companies, on actual Chance/Risk Matrix, on increasing resilience, on ...)



The TASK

- Think about IDEAS & SUGGESTIONS to link the Base to the overall objectives
- Do some (silent) BRAINWRITING to put your Idea & Suggestion to a POST-IT
- Put your Post-it on the Poster with some EXPLANATORY WORDS to the group
- BRAINSTORM in the group about the ideas and make it as meaningful as possible
- PRESENT to the group (allow different opinions to be heard as well)

- Risk due to geopolitical situation in our domain and its supply chain mitigation strategy
- Risk due to complexity increase in our domain and its supply chain mitigation strategy
- Chances due to AI in our domain and how to accelerate harvesting the chances
- Chances due to collaboration in our domain and how to accelerate harvesting the chances