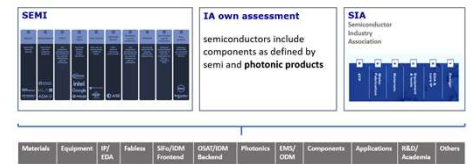
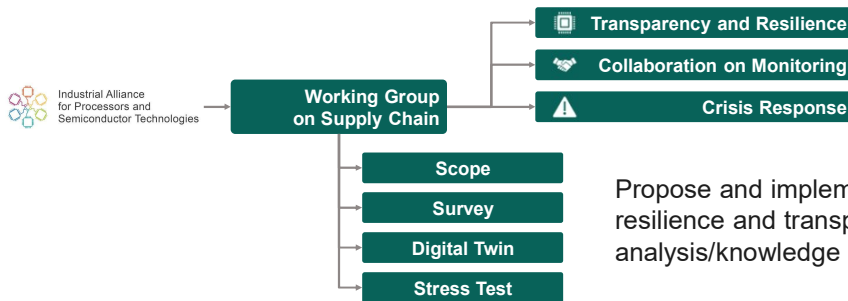


Supply Chain Working Group Cluster Fabless



Objectives of the Supply Chain Working Group



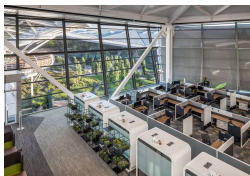
An industry working group working for the European industry on **End-to-End semiconductor*)** supply chain and supply chains containing semiconductors.

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 Fabless



Definition:

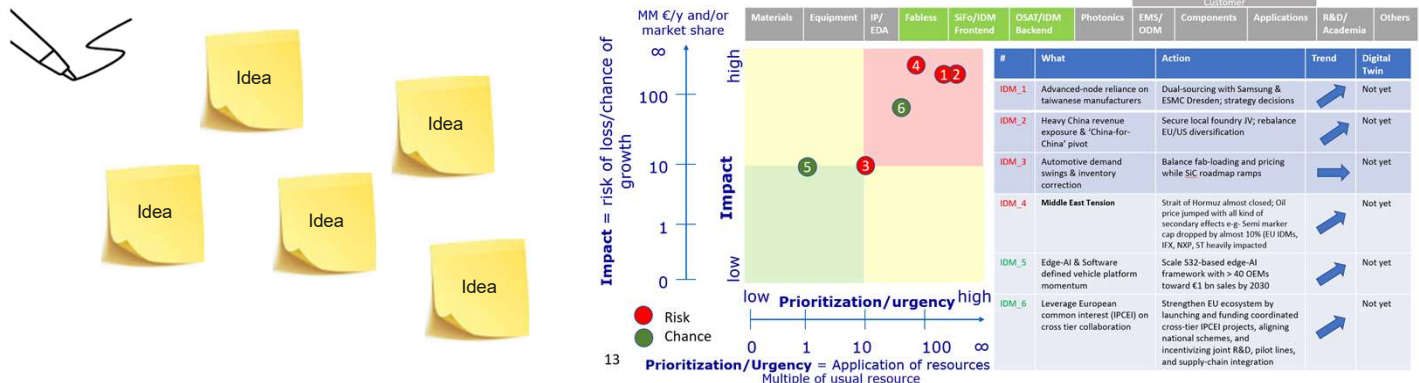
Fabless semiconductor companies design and sell chips while outsourcing wafer fabrication to foundries (e.g., TSMC), letting them focus capital on architecture, IP, and go-to-market instead of owning fabs

Pivotal actors in semiconductor fabless companies:

- NVIDIA [\[link\]](#) — AI accelerators/GPUs¹⁾; clear #1 fabless by 2024 revenue
- Qualcomm [\[link\]](#) — Mobile/edge compute & RF⁵⁾
- Broadcom [\[link\]](#) — Networking, custom accelerators
- AMD [\[link\]](#) — CPUs^{2)/GPUs^{1)/data center}}
- CologneChip — Fabless German IC designer (ISDN controllers, telecom ICs, GateMate FPGAs)
- Novatek [\[link\]](#) — Display driver ICs & Tcons; TV/monitor/scaler SoCs
- Realtek [\[link\]](#) — PC/audio codecs; Ethernet/Wi-Fi; multimedia/connectivity ICs
- Melexis [\[link\]](#) — Fabless automotive IC⁴⁾ designer (sensors, drivers), manufacturing outsourced to foundries (e.g., X-FAB)
- SiPearl [\[link\]](#) — Fabless developer of the Rhea HPC CPU for EuroHPC systems, outsourcing wafer fabrication to foundries
- Axelera AI [\[link\]](#) — edge AI accelerators and software development kits for computer vision inference at the edge
- MediaTek [\[link\]](#) — Mobile/TV SoCs; 5G modems; connectivity & IoT chipsets
- Will Semiconductor (WillSemi) [\[link\]](#) — Image sensors (OmniVision); PMIC/analog signal-chain ICs

1) Central Processing Unit, 2) Graphical Processing Unit 3) Gallium Nitride; 4) Integrated Circuit; 5) Radio Frequency

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