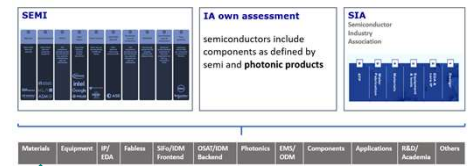
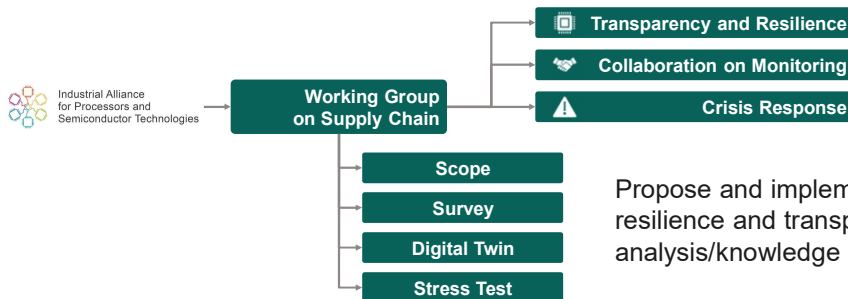


Supply Chain Working Group Cluster Material



Objectives of the Supply Chain Working Group



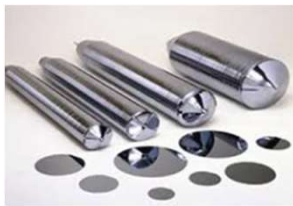
An industry working group working for the European industry on **End-to-End semiconductor*) supply chain and supply chains containing semiconductors**.

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 Material



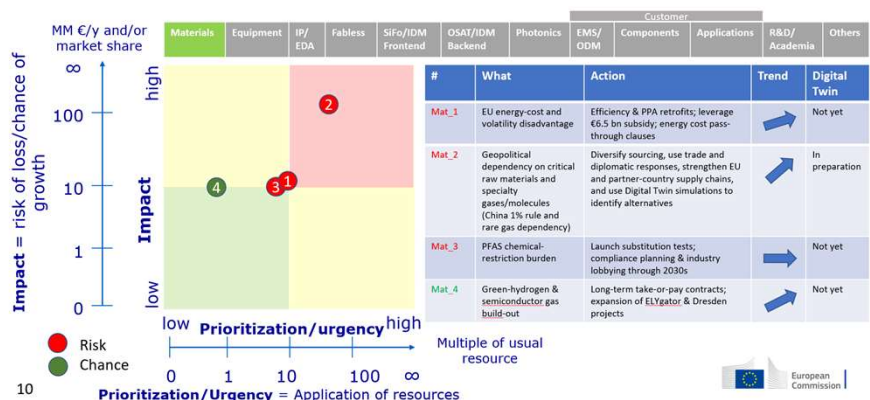
Definition:

In semiconductor manufacturing, "materials" are the ultra-high-purity substances and consumables used to fabricate and package devices (e.g., silicon wafers/substrates, process gases, wet chemicals, photoresists, metals and dielectrics, Chemical Mechanical Planarization slurries, and packaging/encapsulation materials)

Pivotal actors in semiconductor materials:

- Merck KGaA (EMD Electronics) [\[link\]](#) — electronics materials (resists, precursors, wet chemicals)  
- Soitec [\[link\]](#) — engineered substrates (SOI) for RF/logicGlobalWafers — major global supplier of 200/300 mm wafers  
- GlobalWafers [\[link\]](#) — major global supplier of 200/300 mm wafers
- Siltronic [\[link\]](#) — leading edge wafer maker (300 mm, epitaxial)  
- JSR [\[link\]](#) — core photoresist vendor (incl. advanced/Extreme Ultraviolet resists)
- Tokyo Ohka Kogyo (TOK) [\[link\]](#) — photoresists and ancillaries for advanced lithography
- Entegris [\[link\]](#) — specialty chemicals, CMP (via CMC Materials), filtration, and contamination control
- Air Liquide [\[link\]](#) — leading electronics/process gases (carrier & advanced materials) for fabs  

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