

JUNE 2024

Newsletter



We are thrilled to announce the official **kickoff** of the **SC4EU** project, funded under the HORIZON-KDT-JU-2023 call. This pioneering initiative aims to tackle the pervasive challenges posed by the bullwhip effect in semiconductor supply chains, a phenomenon that has resulted in detrimental consequences such as excessive inventory, decreased revenue, and significant shortages, particularly evident during crises such as the COVID-19 pandemic and previous financial downturns.

Our Project's Press Release

SC4EU, a collaborative Innovation Action aims at strengthening European digital sovereignty by mitigation of the chip shortage through reduction of bullwhip effect in the semiconductor industry and supply chains containing semiconductors. This will be reached via a “truer”-demand signal gained from an anonymous MPC (Multi-Party Computation) survey on coarse granularity which will be broken down via AI methods to fine granularities following the semantic web based digital reference structure.

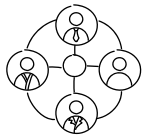
Innovation Strategy:

The **SC4EU** consortium's approach for improving supply demand forecast in the semiconductor industry and mitigating bullwhip effect is based on:

- anonymous data sharing with use of Multi-Party Computation,
- semantic data processing to obtain high quality data of fine granularity,
- close cooperation of semiconductor companies and research institutes,
- focus on human factors,
- application of gamification and relate techniques for data sharing incentivisation.

Key Objectives:

The overall goal of the SC4EU project is to develop a solution for better demand forecasting in semiconductor supply chains. This objective will be achieved by establishing a true demand platform – a service available to companies included in semiconductor supply chains.



Exciting collaboration in the works!

In **April**, we had a productive meeting between **WP5–Survey Use Case and Demand Forecasting** and **WP4–Ontology Development and Tailoring of Demand Forecasting Methods–** at **Infineon Technologies**. The exchange of ideas and synergies between our teams was inspiring.

Partners



Contact



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