SC⁴EU
True Demand-Driven
Semiconductor Supply Chains
for Europe

We are here

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Semantic web

language that can be understood by humans and mashines
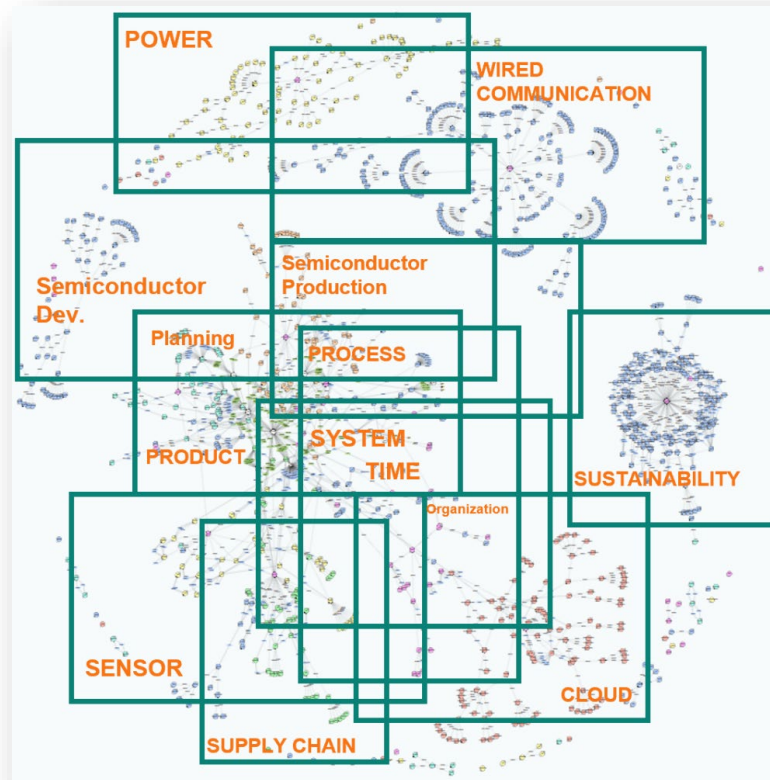

AI-based Forecast

- Anonymity with MPC (Multi Party Computing)
- Utilize Semantic Web to handle complexity and ensure interlinking and understanding
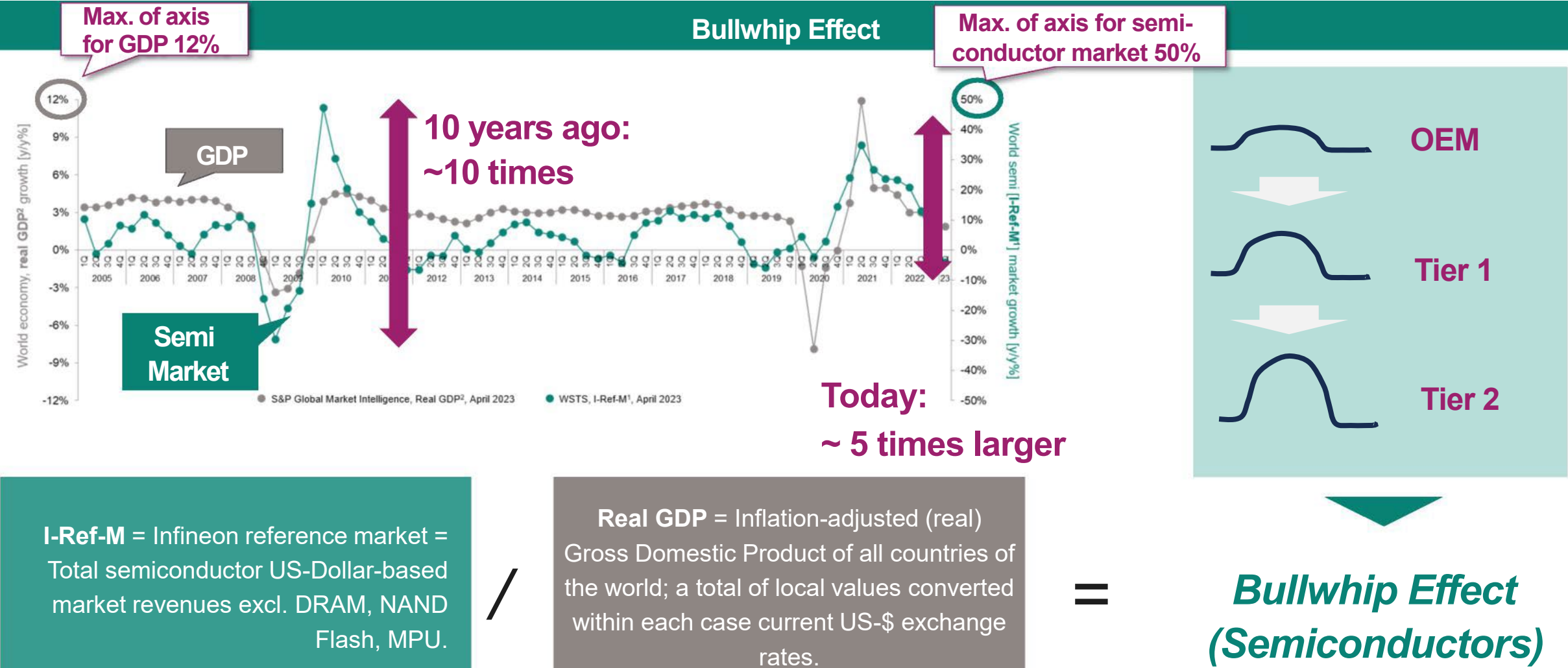- Acceptance of AI results by humans

Semantic Web technologies are applied to enable digitalisation in the industry in particular for the domain of semiconductors and corresponding supply chains. Semantic Web is a lingua franca to handle **data, which varies in systems, structure, quality, and security.**

Bull whip effect in production

Max. of axis for GDP 12%

Max. of axis for semi-conductor market 50%

Bullwhip Effect

GDP

Semi Market

10 years ago: ~10 times

Today: ~ 5 times larger

- S&P Global Market Intelligence, Real GDP[2], April 2023
- WSTS, I-Ref-M[1], April 2023

OEM

Tier 1

Tier 2

I-Ref-M = Infineon reference market = Total semiconductor US-Dollar-based market revenues excl. DRAM, NAND Flash, MPU.

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Real GDP = Inflation-adjusted (real) Gross Domestic Product of all countries of the world; a total of local values converted within each case current US-$ exchange rates.

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Bullwhip Effect (Semiconductors)

3

15 partners

Our best friend: data

Collaboration of competitors in a European spirit

Productive 4.0

S³

AIMS 5.0

SC4eu

SC4EU Project Communication Activities

- Established bi-monthly newsletter

- Showcasing project progress and team achievements

- Reaching key stakeholders across Europe

- EFECS 2025 Conference in Malta

- Successfully presenting SC4EU's vision INSIDE

- General Assembly Meeting in Lissabon

Technical Focus Areas

- Secure data exchange platform development

- Ontology Curation Portal advancement

- True demand forecasting solutions

THANK YOU!