



IPCEI process, timeline and proposals so far

**Finnish Electronics
Innovation Summit
@Micronova
29th November 2018**

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Joint Investments for EU Industrial Transition - Enabling Technologies and New Industrial Policy

**Report 23 February 2018:
High Level Strategy Group on
Industrial Technologies (KETs):
Re-finding Industry**

Europe needs to develop **a new industrial policy** aiming at inclusive productivity growth and convergence across its Member States

**Revision of KETs and
suggestions of their industrial
deployment**

- Production Technologies (Advanced Manufacturing Technologies, Advanced Materials and Nanotechnologies, Life-Science Technologies)
- Digital Technologies (Micro/Nanoelectronics and Photonics, Artificial Intelligence)
- Cyber Technologies (Security and Connectivity)

**1st Milestone 5 February 2019:
High Level Group on Vision for European
Industry until 2030**

The EU leads the world in addressing climate change and paving the way for a global **age beyond fossil carbon**

The UN Sustainable Development Goals (SDGs) and the Paris Agreement are embedded in EU companies' strategies and their business models

Substantially **increased and focused R&D expenditures and private investment** fostering European industrial transformation: Founded on sound ethical values, digitalisation of production, and data-driven processes

- Technology-led transformations in artificial intelligence and robotics, energy, infrastructure and networks, mobility, buildings, medical devices

**1st Milestone 5 February 2019:
Strategic Forum for Important Projects
of Common European Interest**

Recommendations for coordinated actions and joint investments by Member States and key stakeholders to make **strategic value chains stronger in Europe**

Identification of up to 6 strategic value chains on which further work to be focused in 2019:

- High Performance Computing (Joint Undertaking)
- Microelectronics (IPCEI)
- Batteries (IPCEI)
- + other 16 possible value chains (tbc)

Important Projects of Common European Interest (IPCEI)

- Initiatives **led by Member States** that receive an official recognition by the Commission
 - Channel **public spending** by Member States and **private investments**
 - Provide the possibility for public investments **exempt from EU state aid rules**
 - Concern **first industrial deployment of an R&D project**, i.e. during the up-scaling of the pilot facilities and the testing phase
 - For projects with a **clear contribution to economic growth & competitiveness of Europe**

Communication on State Aid Modernisation COM/2012/0209

http://europa.eu/rapid/press-release_IP-14-673_en.htm

IPCEI State of Play

- In May 2018, the European Commission nominated a Strategic Forum for Important Projects of Common European Interest tasked to identify strategic European value chains which can qualify for IPCEI status
- All EU Member States governments are represented plus 20 independent experts (including VTT)

Timeline

- **15 October 2018** Sherpas review the draft list of strategic value chains
- **Mid-November 2018 Second meeting of the Strategic Forum**
 - ✓ draft list of strategic value chains for Europe
- **January-February 2019:** Strategic Forum to agree on a short list of strategic value chains and discussion on specific actions and investments
- **February 2019 EU Industry days (5th February 2019)**
 - ✓ Announcement of the strategic value chains for Europe.
- **By Summer 2019** initial Action Plans
- **Autumn 2019 Fourth meeting of the Strategic Forum**
 - ✓ Final report (list of strategic value chains and necessary actions)
 - ✓ Progress achieved and recommendations for the future

Input from
Working
Groups

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Status at EU Level

Ongoing coordinated initiatives:

- ✓ Joint Undertaking for High Performance Computing HPC
- ✓ Launch of IPCEI in Microelectronics
- ✓ Launch of IPCEI in Batteries

Potential Strategic Value Chains, to be prioritized by 5th February 2019:

Personalised medicine

Space-launchers

Cybersecurity

Wired and wireless networks

Industrial IoT

Personal and clinical medical devices

Hydrogen based and other low-carbon
energy conversion

Low carbon steel-making

Low carbon industrial processes and carbon
capture and valorisation technologies

Bio-based materials

Electric mobility for vehicles - propulsion,
wireless energy transmission and smart
charging

Critical raw materials for innovative
applications

Connected and autonomous mobility for
vehicles

Net zero energy building construction and
renovation

Additive manufacturing

Smart vessels (autonomous vessels, electric
propulsion)

Finnish Position?

- Market interests and industrial investments are a basis for IPCEI-participation
- How to get involved?
 - Finnish players the Strategic Value Chains (SVC): contributions to Working Groups
- National strategy?
 - Dialogue to be organized NOW

A large, repeating geometric pattern covers the left side of the slide. It features interlocking 3D cubes in shades of blue, green, and white, creating a complex, crystalline structure.

Thank you!

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