

International Cooperation On Semiconductors

● What is ICOS?

ICOS is a three-year **Coordination and Support Action (CSA)** from the European Commission, part of **Horizon Europe**. It is an ambitious project in the framework of the **European strategy on semiconductors**

ICOS Strategy

The project has started with an exhaustive analysis of the value chains of semiconductors for electronics and photonics, and the thorough examination of the strengths and gaps of European and International industries in this area.

Then follows a **Technology Scanning & Foresight** study, focusing on the next-generation and emerging technology segments, particularly in **advanced computation and functionalities**. Countries deemed of interest for international cooperation will be determined taking into consideration the most promising technologies that offer the best potential for fruitful research collaboration in the future.

Subsequently, based on the results obtained, ICOS will highlight research subjects likely to contribute most significantly to **European strategic goals**. These identified topics will be translated into proposals for future bilateral or multilateral research initiatives, along with practical cooperation modalities.

ICOS Objectives

Identify and support the establishment of the most promising scientific international collaborations through an in-depth analysis

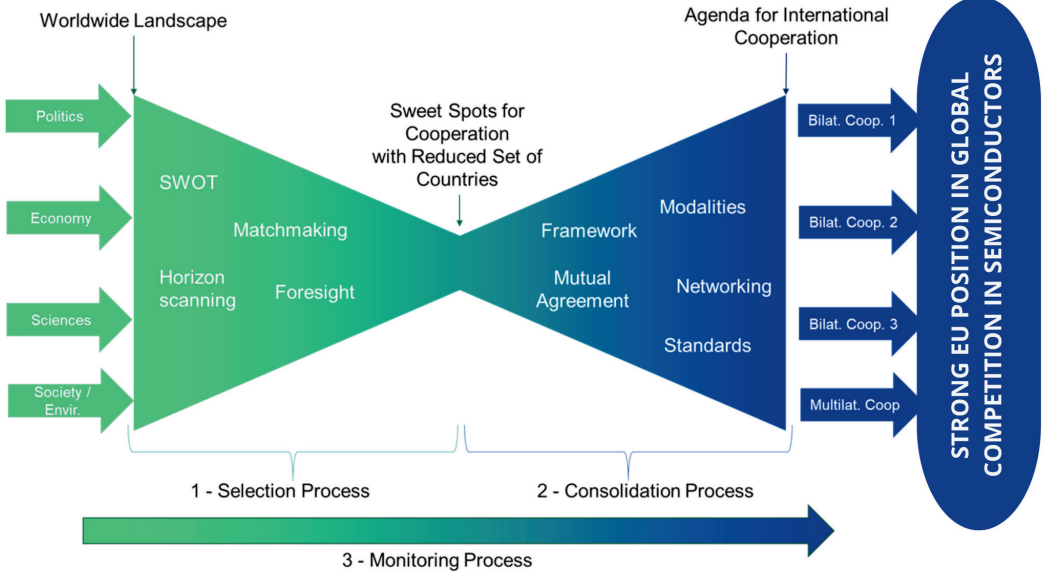
Support the growth of the European Semiconductor industry

Support the Commission in its effort to re-establish the global position of Europe in the semiconductor value chain

Support the development of these pivotal Technologies for all industrial sectors

Based on the ICOS results, we will advise the European Commission on collaborative actions to build balanced semiconductor partnerships on topics of mutual interest, to be implemented with leading semiconductor countries, supported by an in-depth risk-benefit assessment, in line with the objectives set out by the **EU Chips Act**.

How?



Partners

Academics	RTOs	Industrials	Associations & Consulting companies

Advisory Boards

Industrial Advisory Board

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