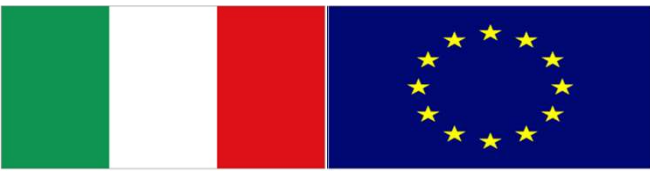




ESBS Austria Fall Meeting 2022  
19. October 2022, Vienna

# **ECSEL Italy** **in** **Horizon Europe**

Livio Baldi



# What is ECSEL Italy?



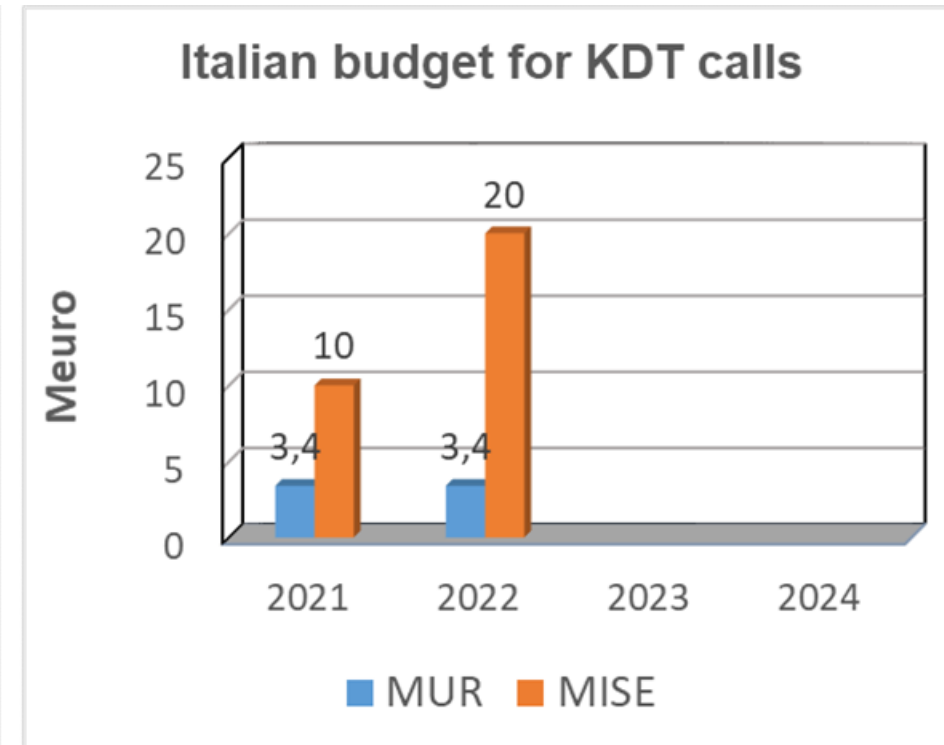
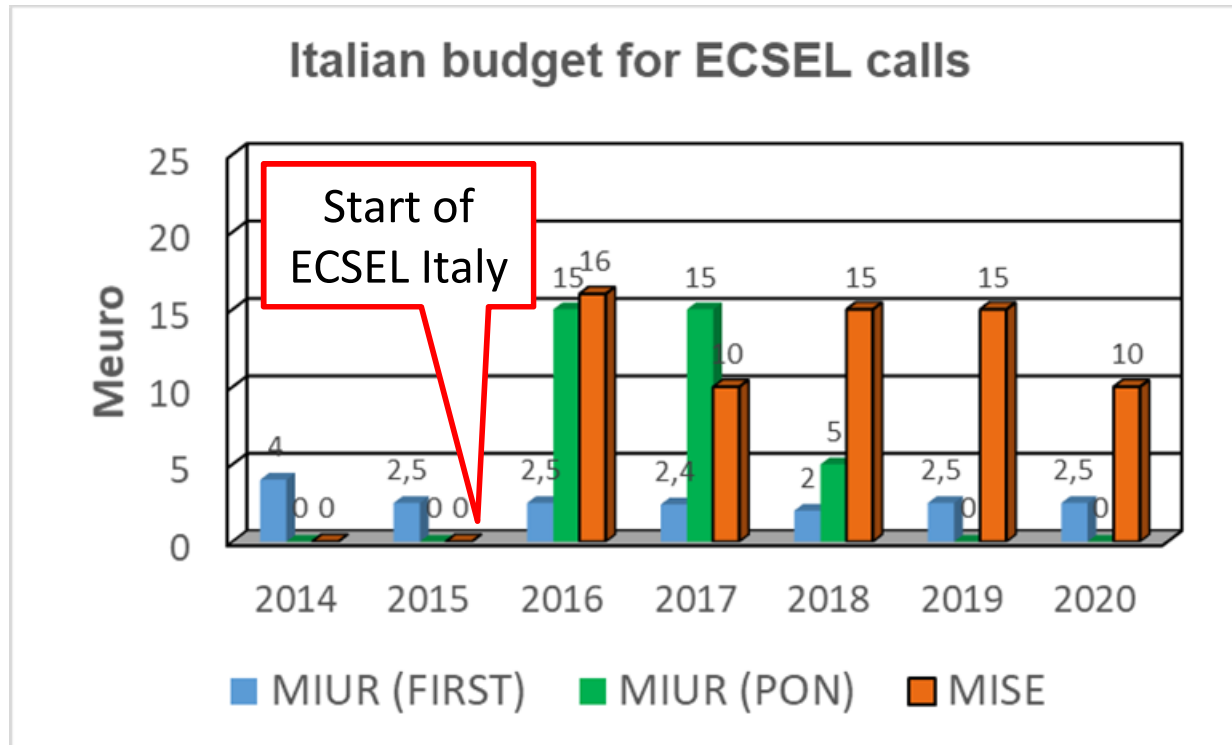
ECSEL Italy has been founded in December 2015 by researchers from Italian industrial and academic institutions involved in the ECSEL programme and its supporting organizations, with the purpose:

- To facilitate / coordinate the participation of Italian industrial and academic research organizations to the Joint Technology Initiative ECSEL;
- To promote the support by Italian Public Authorities,
- To coordinate with similar initiatives in Europe.

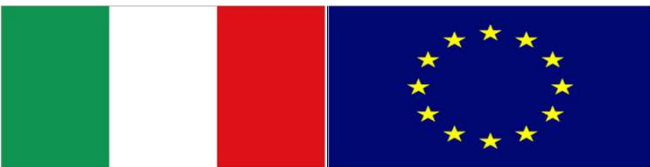
ECSEL Italy has the administrative support of AEIT-AMES and it is funded by the participation in H2020 and Horizon Europe CSA.



# Italian budget in ECSEL and KDT JU



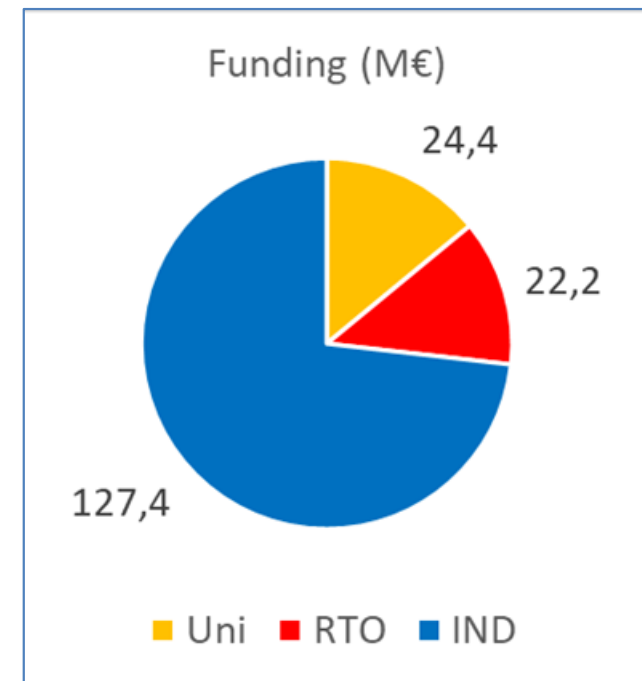
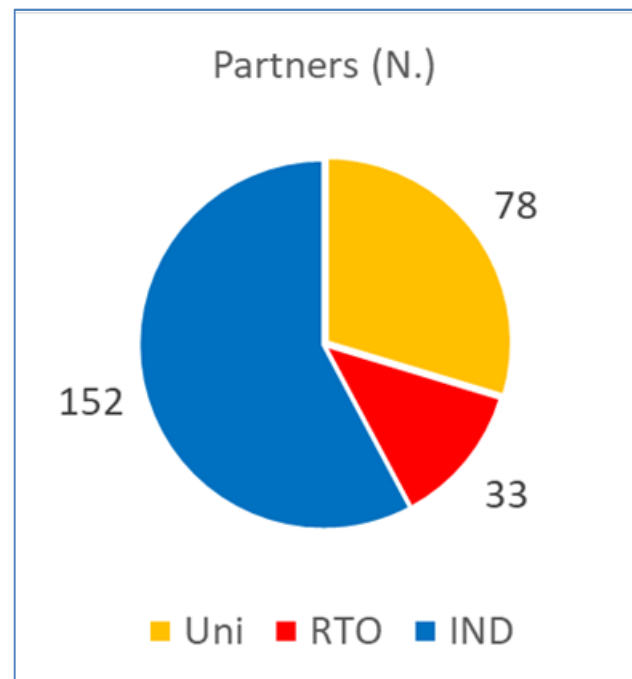
- In the period 2014-2020, a total of 119.4 M€ were made available by MUR and MISE.
- The total funding received was 174 M€, 85,3 M€ from the JU, 73,5 M€ from Italian Ministries and 15 M€ from PON



# Italian participation (2014-2020)

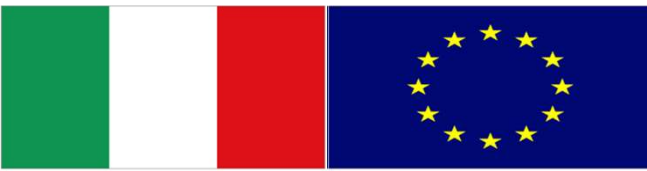


	RIA Italia	IA Italia	Totale IT	Totale call
2014	4	3	7	12
2015	3	2	5	12
2016	7	3	10	14
2017	6	3	9	14
2018	5	3	8	13
2019	6	4	10	14
2020	6	4	10	14
<b>Totale</b>	<b>37</b>	<b>22</b>	<b>59</b>	<b>93</b>



In the period 2014-2020:

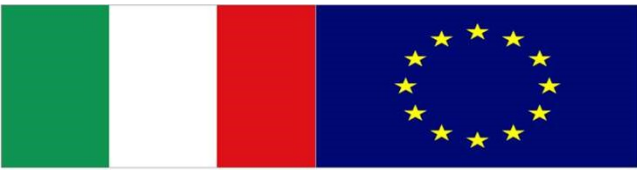
- there have been 253 Italian participations by 116 partners
- there were Italian partners in 59 research projects over 93 launched
- among the top 5 Italian participants, 4 are Universities and RTO
- in the last two years Italy has participated in 70% of projects



# ECSEL Italy Days



- The main activity of ECSEL Italy has been the ECSEL Italy Day and brokerage events, which included presentations by the ECSEL Office, the funding Ministries and other agencies, and news from brokerage events and other Mirror Groups.
- Due to the outbreak of the COVID-19 pandemic, in 2021 only an online workshop was held on Research and Innovation Programs for ECS.
- In 2022, two events have been held online, to inform on the KDT JU calls 2021 and 2022.



# Moving to KDT JU



- KDT JU has replaced the ECSEL JU from December 2021.
- ECSEL Italy is not changing its name for the moment, but it will continue to provide support to the Italian partners interested in the KDT JU and the future Chips JU. ECSEL Italy contributed to the revision of Italian participation rules.
- Members of ECSEL Italy are in the advisory committee of the Italian government for the implementation of the European Chips Act.
- Inside the 2022 calls of Horizon Europe, ECSEL will be supported by the new ICOS CSA.





# The ICOS Project



ICOS (International Cooperation On Semiconductors) is a project proposal submitted for the call:

HORIZON-CL4-2022-DIGITAL-EMERGING-01-38: International cooperation in semiconductors (CSA),

with deadline on April 5, 2022.

Italian partners are represented by IUNET. ECSEL Italy is a subcontractor through AEIT-AMES.

On July 20 we received confirmation of the approval of the project, and the final signature of the Grant Agreement is foreseen for mid November.

Duration of the project is 3 years



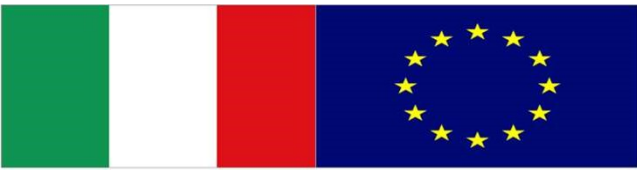
# Objectives of ICOS

To support the Commission to re-establish the global position of Europe in the semiconductors and semiconductor-based photonics value chain, by identifying topics on which research cooperation with leading countries could be beneficial to the growth of the European industry.

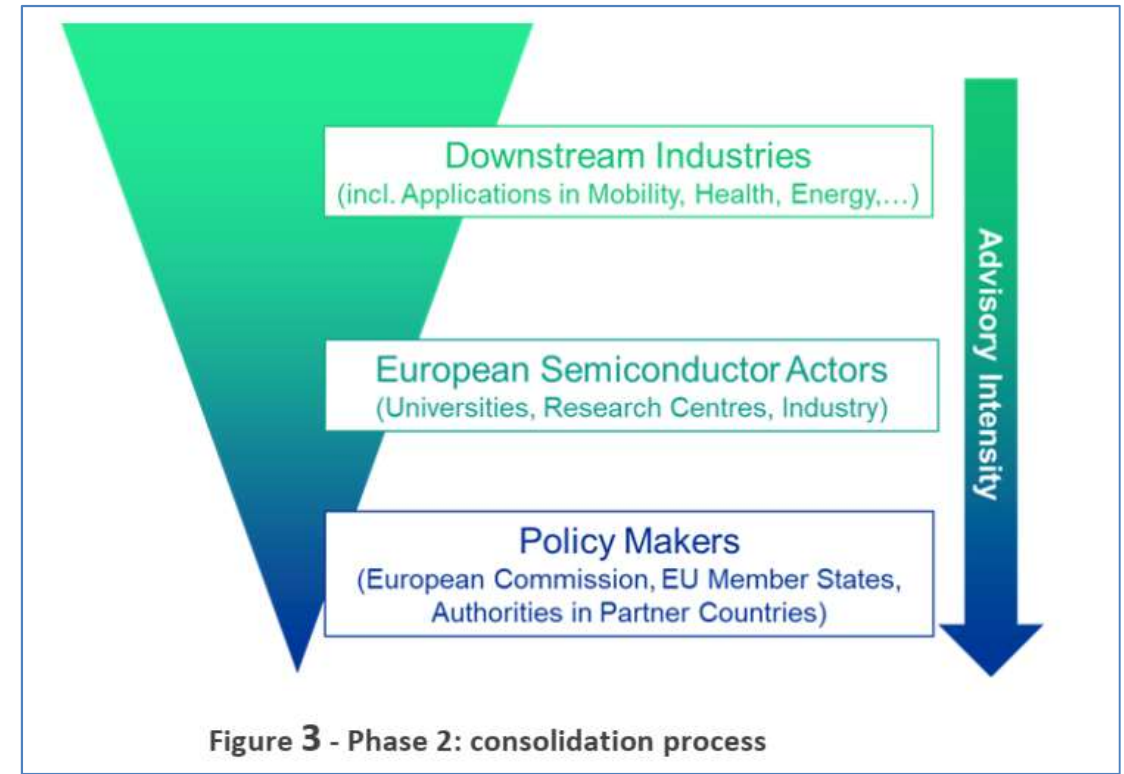
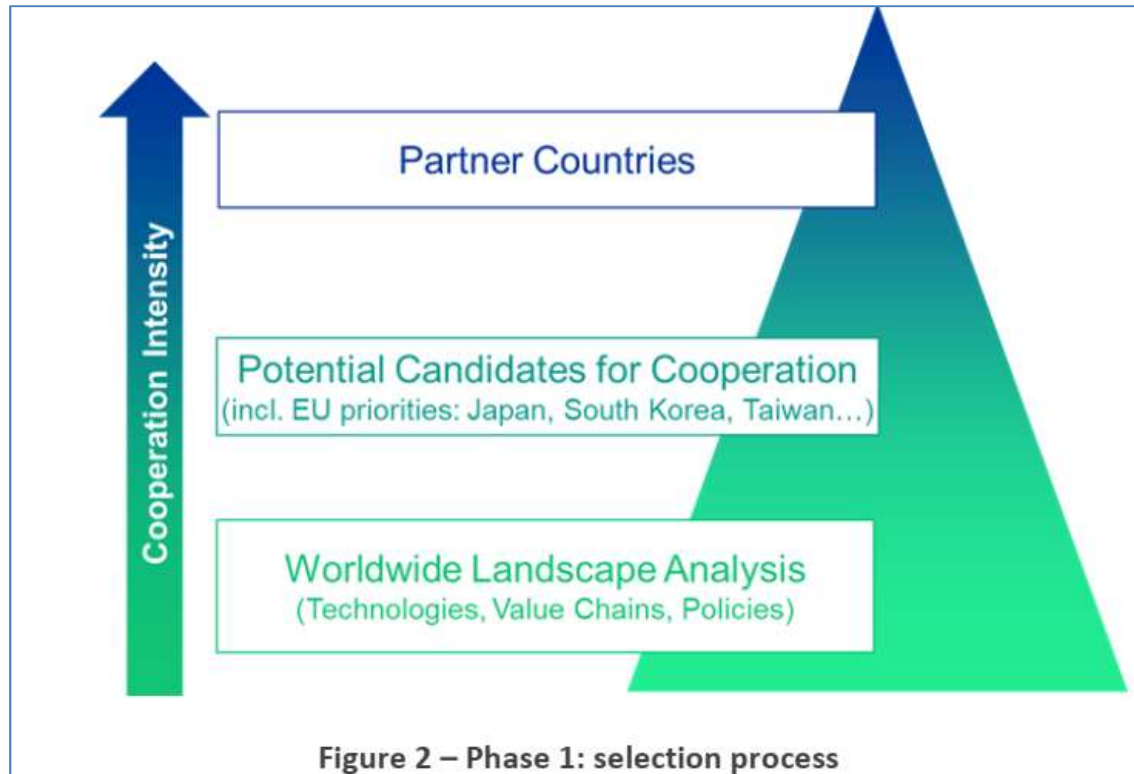
The project includes the following main activities:

- Economic analysis of the semiconductor ecosystem
- Identification of research areas for international cooperation
- Determination of most interesting countries for international cooperation
- Agenda for, and initiation of, international cooperation





# Plan of activity



## Two phases:

- from landscape analysis to identification of potential partner countries,
- from industrial and academic requirements, definition of cooperation policies



# How does it work

The budget of the project is 3 M€. It does NOT include the specific cooperation activities but:

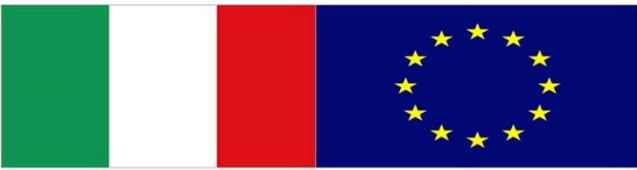
- Support to the Commission in defining and implementing measures aiming at strengthening the position of Europe's industry in the global semiconductor value chain
- Promotion of mobility of researchers in specific topics (in cooperation with other support schemes, *e.g. Marie Curie actions*)
- Preparation of a comparative analysis of modalities for cooperation and their applicability (*In H2020 there were 33 calls for cooperation on ECS with a total budget of 163 M€*)



# ECSEL Italy in ICOS



- ECSEL Italy is present in ICOS with a subcontract given to AEIT-AMES
- The tasks of ECSEL Italy in the project:
  - Help collecting inputs from industrial associations in the field of semiconductors, to which it is linked;
  - Take over the organization of at least **3 meetings** aiming at disseminating the results of the project to industrial and scientific community, active in the field of semiconductors and silicon photonics;
  - **Take care of communicating the results of the project to the linked ECSEL/KDT/Chips JU Mirror Groups in other European countries**
- From next year ECSEL Italy will organize yearly meetings to collect priorities for international cooperation.



# Thank you!

<http://www.aeit.it/ecsel>

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## Steering Committee

