

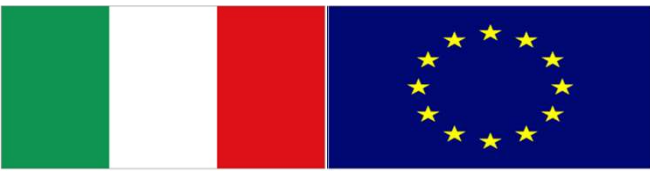


53<sup>rd</sup> ANNUAL MEETING OF THE ASSOCIAZIONE  
SOCIETÀ ITALIANA DI ELETTRONICA

Pizzo Calabro, 7-9/9/2022

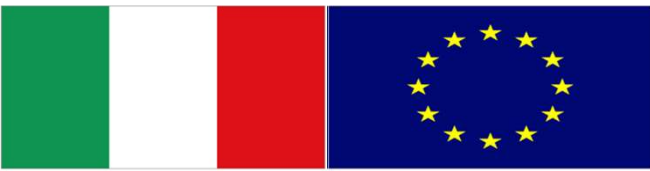
**ECSEL Italy**  
in  
**Horizon Europe**

Livio Baldi



# What is ECSEL Italy?

- ECSEL Italy has been formed by volunteers from Italian industrial and academic institutions involved in ECSEL.
- Partners of ECSEL Italy are members of the industrial associations supporting ECSEL/KDT, like AENEAS, ARTEMIS-IA (now INSIDE) and EPOSS and of the ECSEL GB.
- ECSEL Italy has been funded by participation in Horizon 2020 CSA's InSSlgt and 5E. In Horizon Europe it will be funded by the ICOS CSA.
- The administrative support is provided by AEIT-AMES.



# Why ECSEL Italy?

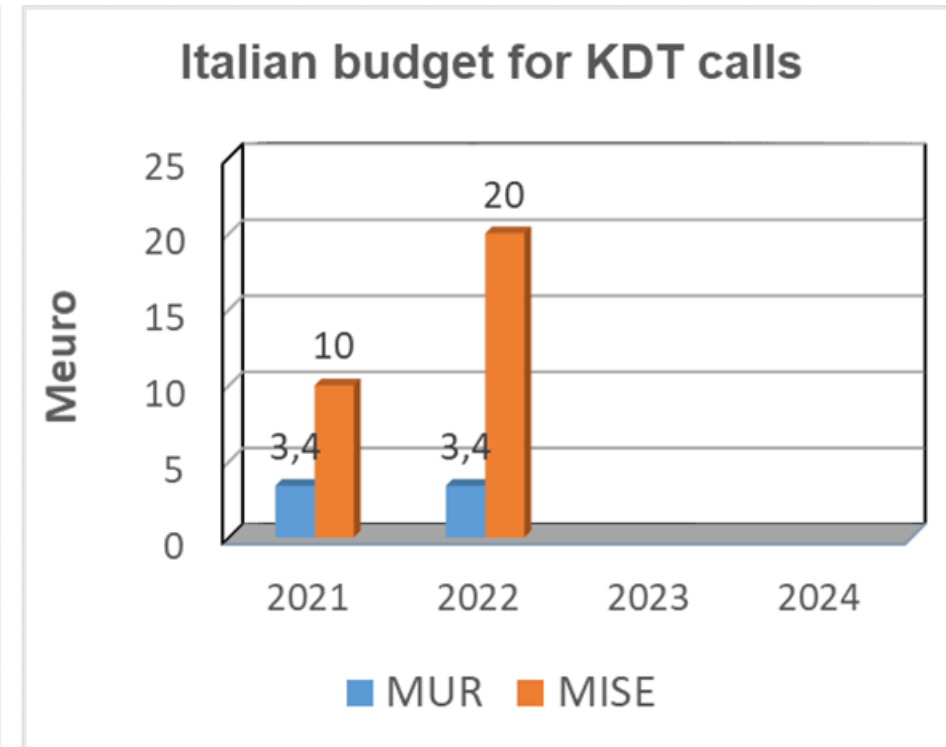
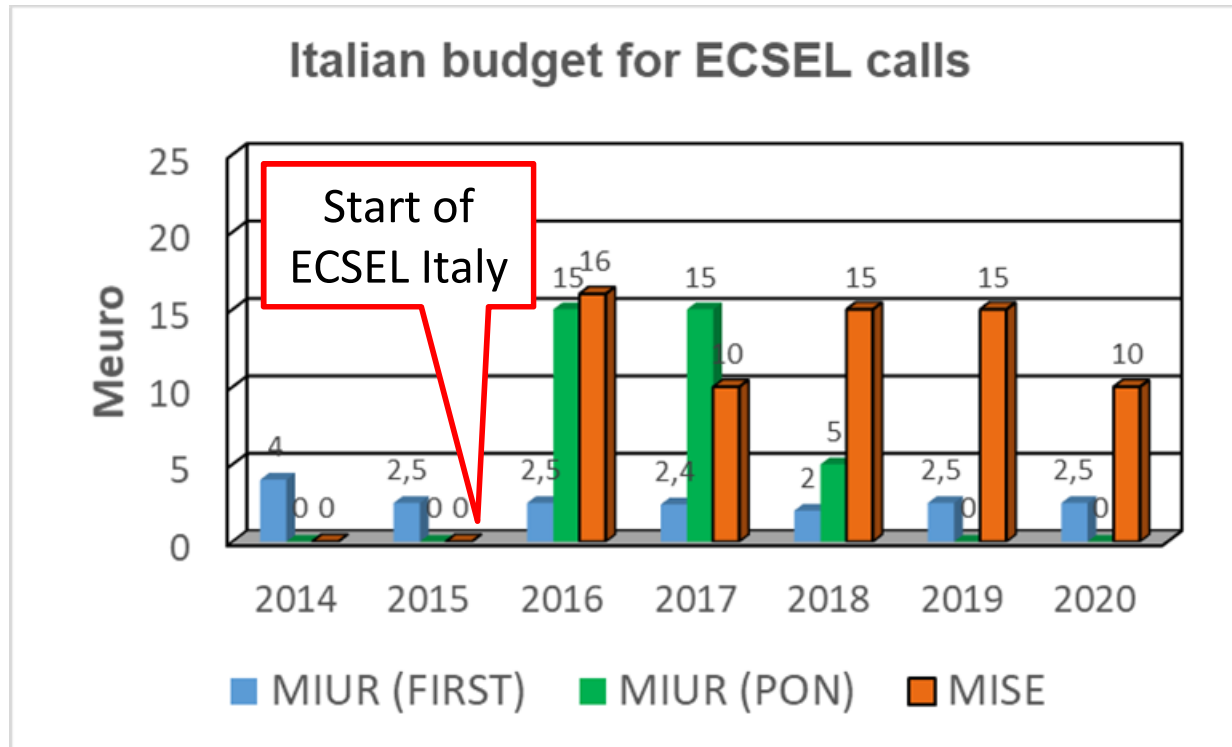
ECSEL Italy has been started with the aim:

- To facilitate / coordinate the participation of Italian industrial and academic research organizations to the Joint Technology Initiative ECSEL:
  - providing information and networking opportunities,
  - promoting the support by Italian Public Authorities,
  - coordinating with similar initiatives in Europe.

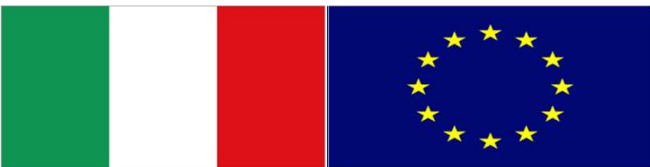
ECSEL Italy will continue its support activities under the KDT JU.



# Italian budget in ECSEL and KDT JU



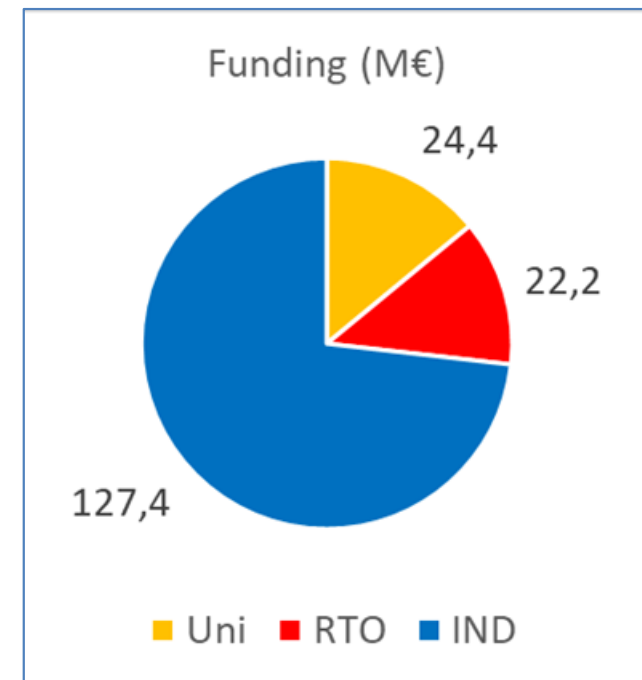
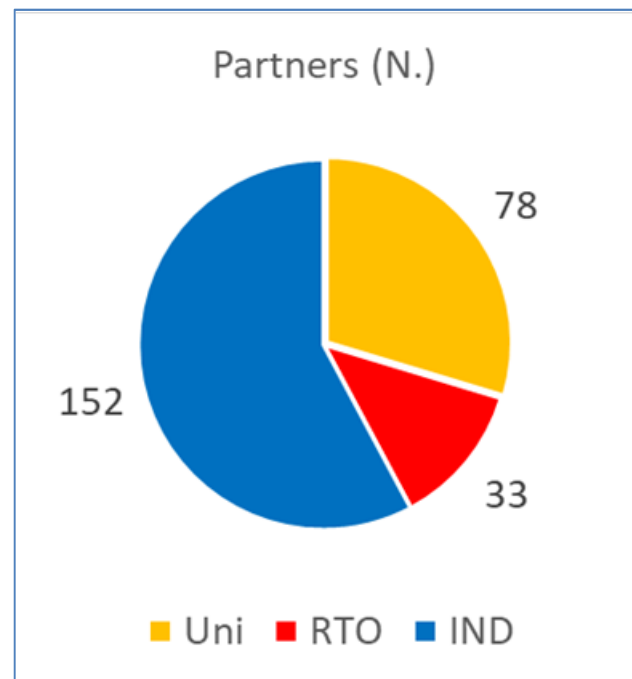
- In the period 2014-2020, a total of 119.4 M€ were made available by MUR and MISE.
- The total funding received was 174 M€, 85,3 M€ from the JU, 73,5 M€ from Italian Ministries and 15 M€ from PON



# Italian participation (2014-2020)

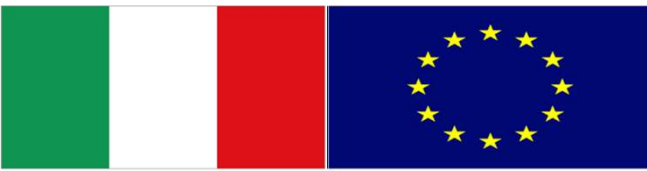


	RIA Italia	IA Italia	Totale IT	Totale call
2014	4	3	7	12
2015	3	2	5	12
2016	7	3	10	14
2017	6	3	9	14
2018	5	3	8	13
2019	6	4	10	14
2020	6	4	10	14
<b>Totale</b>	<b>37</b>	<b>22</b>	<b>59</b>	<b>93</b>



In the period 2014-2020:

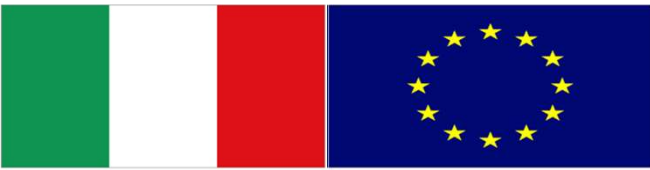
- there have been 253 Italian participations by 116 partners
- there were Italian partners in 59 research projects over 93 launched
- among the top 5 Italian participants, 4 are Universities and RTO
- in the last two years Italy has participated in 70% of projects



# ECSEL Italy Days



- The main promotion activity of ECSEL Italy has been the ECSEL Italy Day and brokerage event.
- It included institutional presentations by ECSEL Office, funding Ministries and other agencies and news from brokerage events.
- Up to now, 4 such events have taken place. The last one in Rome, at the beginning of 2020, just before the COVID-19 outbreak.

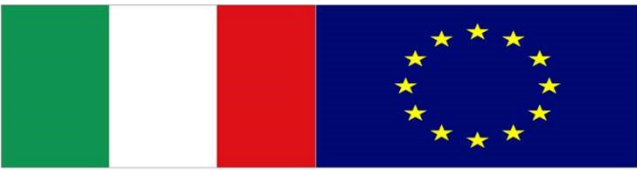


# New initiatives



- The delay in the approval of the KDT JU, and the safety regulations following outbreak of the COVID-19 pandemic, have prevented similar initiatives in 2021 and 2022.
- In 2021 only an online workshop was held on Research and Innovation Programs for ECS.
- In 2022, two events have been held, to inform on the KDT JU calls 2021 and 2022.
- Due to the omicron variant of COVID-19, and following a consultation, these two events have been held online, as well as presence at SIE.
- Hoping to meet you in person next year.





# Moving to KDT JU



- KDT JU has replaced the ECSEL JU from December 2021.
- ECSEL Italy participated in the revision of Italian rules.
- Scope and ambitions have been increased, and budget has increased from 2,2 B€ to 3,6 B€.
- The European Chips Act includes the Chips Joint Undertaking, incorporating the KDT JU, with a EU budget increased from 1,8 to 4,175 B€.
- The regulations are under consolidation and ECSEL Italy is following the discussion





# What next?



- Our partner ECSEL Austria has changed name to ESBS-Austria (Electronics and Software Based Systems), ECSEL Italy has decided not to change its name for the moment.
- ECSEL Italy will continue to provide support to the Italian partners interested in the KDT JU and the future Chips JU.
- Beside updating on KDT yearly calls in the ECSEL Italy Day, we will continue to participate in related events of Società Italiana di Elettronica, AEIT, ECS Brokerage Event and other European platforms and events.
- Inside the 2022 calls of Horizon Europe, ECSEL Italy has succeeded in participating as subcontractor to a Coordination and Support Action, named **ICOS**.



# 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

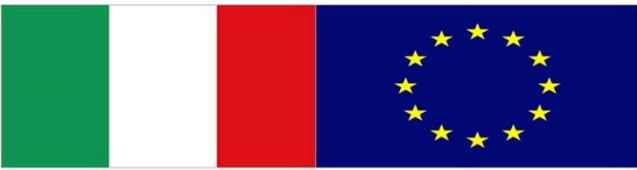


# Objectives of ICOS

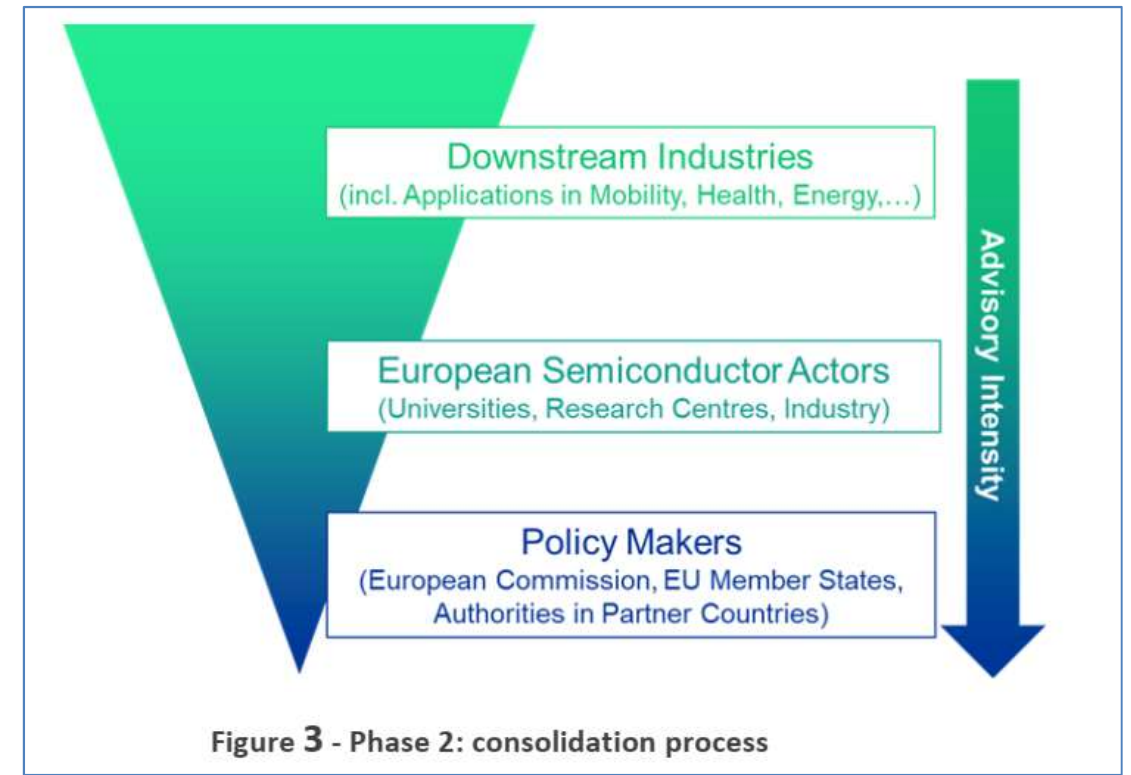
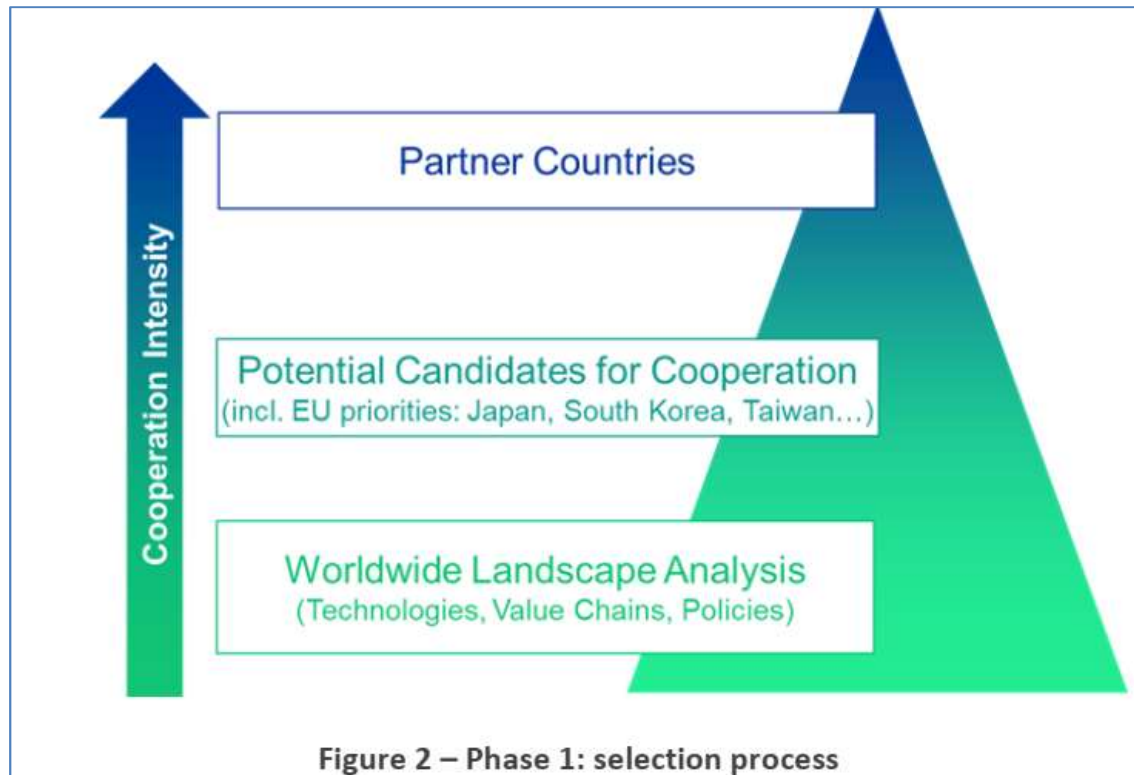
To support the Commission to re-establish the global position of Europe in the semiconductor and semiconductor-based photonics value chain, by identifying topics on which research cooperation with leading countries could be beneficial to the growth of the European industry.

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

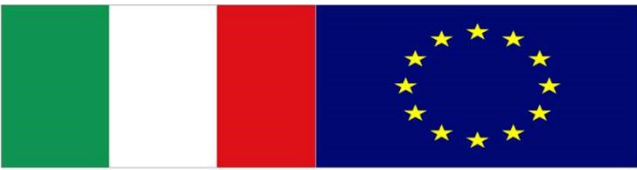


# Plan of activity



## Two phases:

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

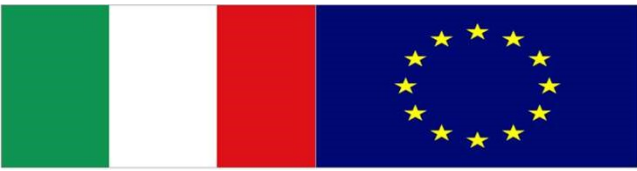


# How does it work

The budget of the project is 3 M€

It does NOT include the specific cooperation activities but:

- Support the Commission to define and implement 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 Mirror Groups/ Chips JU 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

