La Settimana “Horizon Europe” 2023

Cluster 4 – KDT Joint Undertaking

POLITECNICO
DI TORINO

Enrico Macii

Delegato MUR per KDT PAB e GB

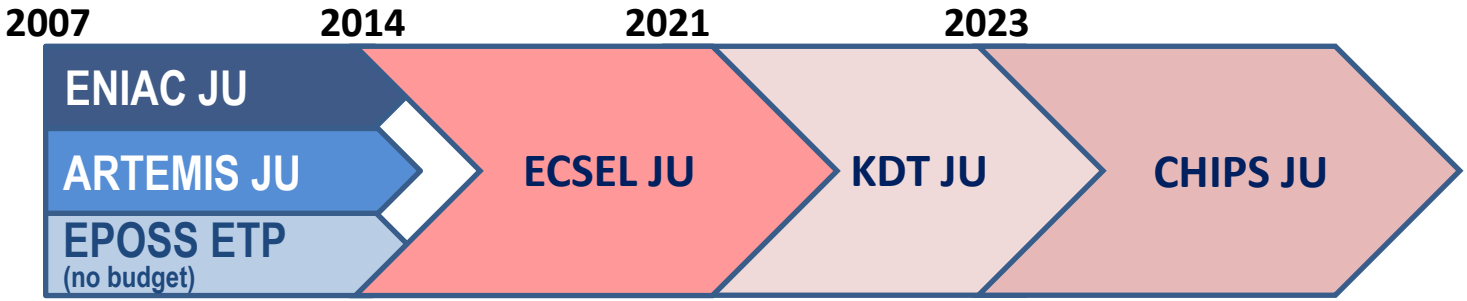
enrico.macii@polito.it

Agenda

- What is the KDT JU?
- Past, present and future of KDT JU
- Topics of interest – The SRIA
- Funding model
- Overall budget
- Results of Call 2021 and Call 2022
- Call 2023

- The Key Digital Technologies (KDT) Joint Undertaking (JU) is a Public-Private Partnership for research, development and innovation in the sector of Electronic Components and Systems (ECS).

- It funds R&D&I projects for assuring world-class expertise in these key enabling technologies, essential for Europe's competitive leadership in the era of the digital economy.



- Achievements of the ECSEL JU:
  - 16 calls for proposals.
  - 92 projects funded.
  - 3200 beneficiaries.
  - 4.8 BEuro of total R&D&I cost.
  - 2.2 BEuro of National and EU funding; 2.6 BEuro of private funding.

- The topics covered by the KDT JU are summarized by the ECS Strategic Research and Innovation Agenda (SRIA), a document which is created and maintained by the three industry association supporting KDT JU (Aeneas, Inside, EPOSS), in cooperation with the entire ECS community.

- The SRIA normally serves as the basis for the set-up of the KDT Calls for Proposals.

- The 2023 edition of the SRIA has just bee released.

https://ecssria.eu/

Funding model

- The KDT JU is a tri-partite partnership, meaning that funding of the projects comes from the combination of three sources:
  - EU.
  - Member States.
  - Private Partners.
- EU and Member States contribute equally to the funding of the projects, with a combined intensity which can be as high as approximately 75% (for RTOs and SMEs, lower for LEs).
- Private Partners co-fund the projects for the missing public contribution.
- Eligible project costs include personnel, equipment, consumables and indirect costs (25% flat overhead).

Overall budget

- The EU budget planned for the overall KDT JU program is of approximately 1.8 BEuro, matched by approximately 1.8 BEuro of national funds.
- Another 2.5 BEuro will come from the private sector, so that the total expenditure for the KDT program will reach 6.1 BEuro.
  - 1.3 BEuro higher than the ECSEL program (~30% increase).

- Budget will further increase (significantly) as KDT JU will become CHIPS JU (as the CHIPS ACT implementation will start).
  - First CHIPS JU calls are tentatively planned for the fall of 2023, with a rough EU budget of 850 MEuro..

- EU budget: 208 MEuro.
- MS budget: 162 MEuro.
- Actions:
  - Global call IA (SRIA).
  - Global call RIA (SRIA).
  - Focus topic IA.
  - Focus topic RIA.
  - CSA.
- Outcome:
  13 projects funded.

- EU budget: 255 MEuro.
- MS budget: 188 MEuro.
- Actions:
  - Global call IA (SRIA).
  - Global call RIA (SRIA).
  - Focus topic 1 IA.
  - Focus topic 2 IA.
  - Focus topic RIA.
  - CSA.
- Outcome:
  14 projects funded (plus 1 still under negotiation).

- Will open on Feb 7, 2023 **(https://www.kdt-ju.europa.eu/current-call)**
- EU budget: 317 MEuro.
- MS budget: 191 MEuro (figure is not yet final; Italy: MIMIT: 20 MEuro, MUR: 14MEuro).
- Actions:

PO due
May 3, 2023
FPP due
Sep 19, 2023

- Call 2023-1-IA T1 — Global call according to SRIA 2023 (IA)
- Call 2023-1-IA T2 — Focus Topic 6G Integrated Radio Front-End for TeraHertz Communications (IA)
- Call 2023-1-IA T3 — Focus Topic on Integration of trustworthy Edge AI technologies in complex heterogeneous components and systems (IA)
- Call 2023-1-IA T4 — Focus Topic on Electronic Control Systems (ECS) for management & control of decentralized energy supply & storage (IA)
- Call 2023-2-RIA T1 — Global call according to SRIA 2023 (RIA)
- Call 2023-2-RIA T2 — Focus Topic on Hardware abstraction layer for a European Vehicle Operating System (RIA)

FPP only, due
May 3, 2023

- Call 2023-3-IA T1 — Improving the global demand supply forecast of the semiconductor supply chain (IA)
- Call 2023-3-CSA T2 — Pan-European network for Advanced Packaging made in Europe (CSA)
- Call 2023-3-CSA T3 — Coordination of the European software defined vehicle platform (CSA)

- Brussels, Belgium, February 7 and 8, 2023.
- Organized by the Industry Associations (AENEAS, INSIDE, EPOSS).
- Program:
  - February 7, 2023: KDT Info Session, ECS Brokerage Session.
  - February 8, 2023: Preparing for the CHIPS JU.

- More info at:
  https://ecscollaborationtool.eu/ecs-brokerage-event-2023.html