

From ECSEL to KDT: Quousque tandem ...?

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ECSEL JU Executive Director

ECSEL Italy - Video call on 19 May 2021



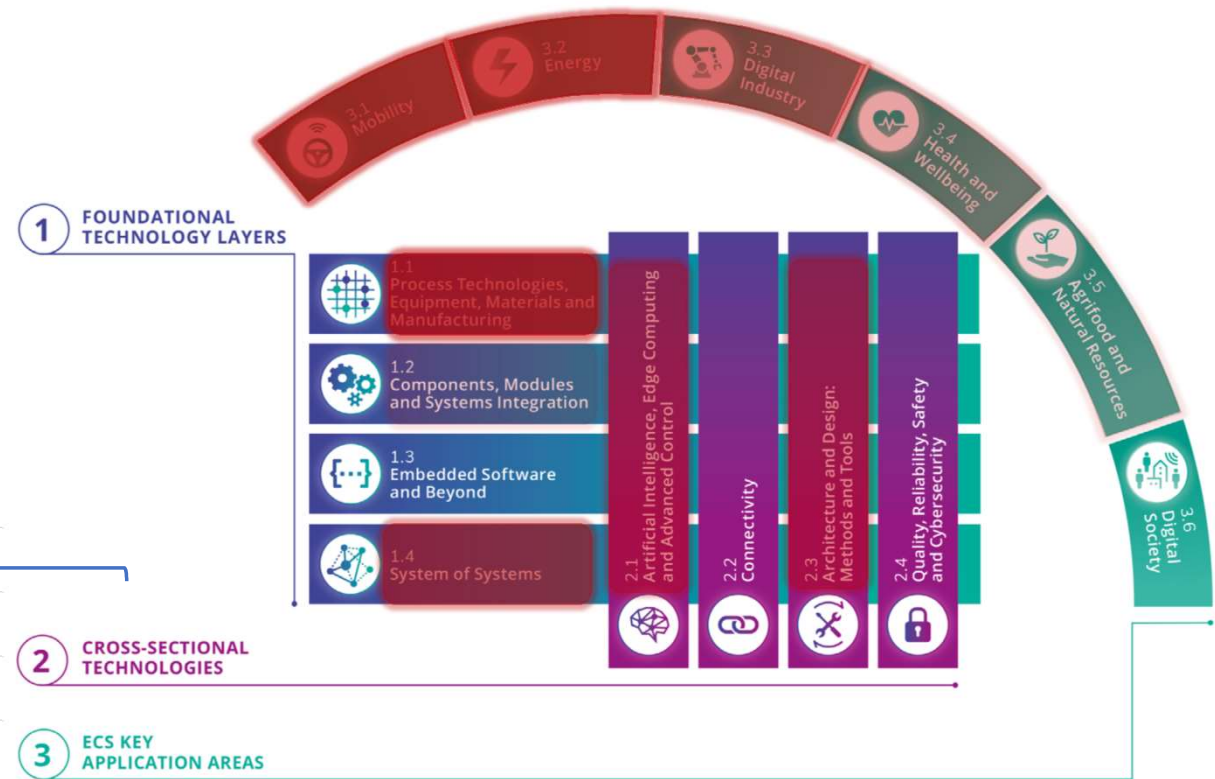
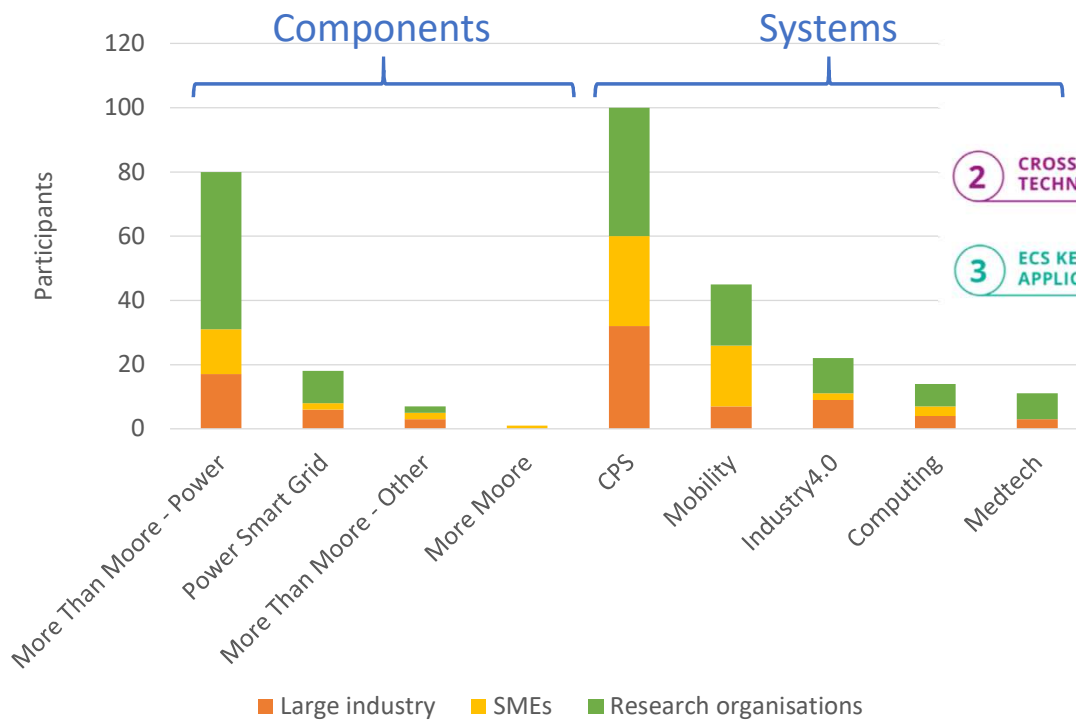
ECSEL JU Call 2020 - 1 selection

Proposal	Title	Coordinator	Country	Participants	Countries
TRANSFORM	Trusted European SiC Value Chain for a greener Economy	BOSCH	DE	35	7
StorAlge	Embedded storage elements on next MCU generation ready for AI on the edge	STM	FR	42	8
Energy ECS	Smart and secure energy solutions for future mobility	TIETO	FI	30	8
TRANSACT	Transform safety-critical cyber-physical systems into distributed solutions for end-users and partners	PHILIPS MEDICAL SYSTEMS	NL	30	9
GaN4AP	GaN for Advanced Power Applications	DISTRETTO TECNOLOGICO SICILIA MICROE NANO SISTEMI	IT	41	6
ID2PPAC	Integration of processes and moDules for the 2 nm node meeting Power Performance Area and Cost requirements	ASML	NL	28	8

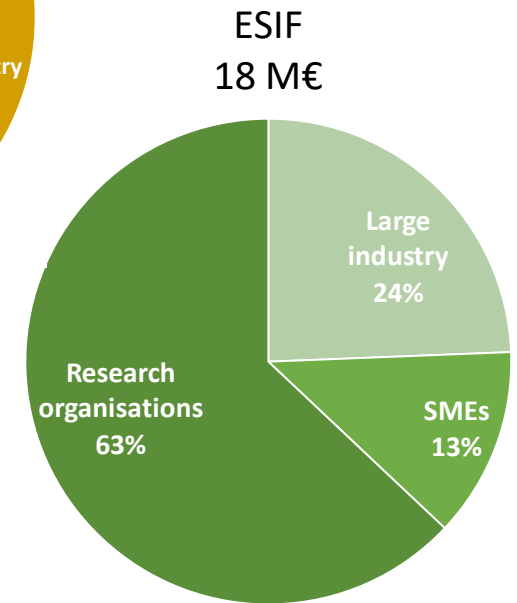
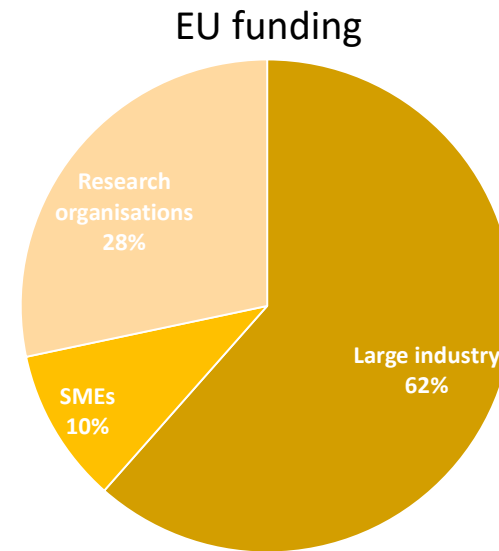
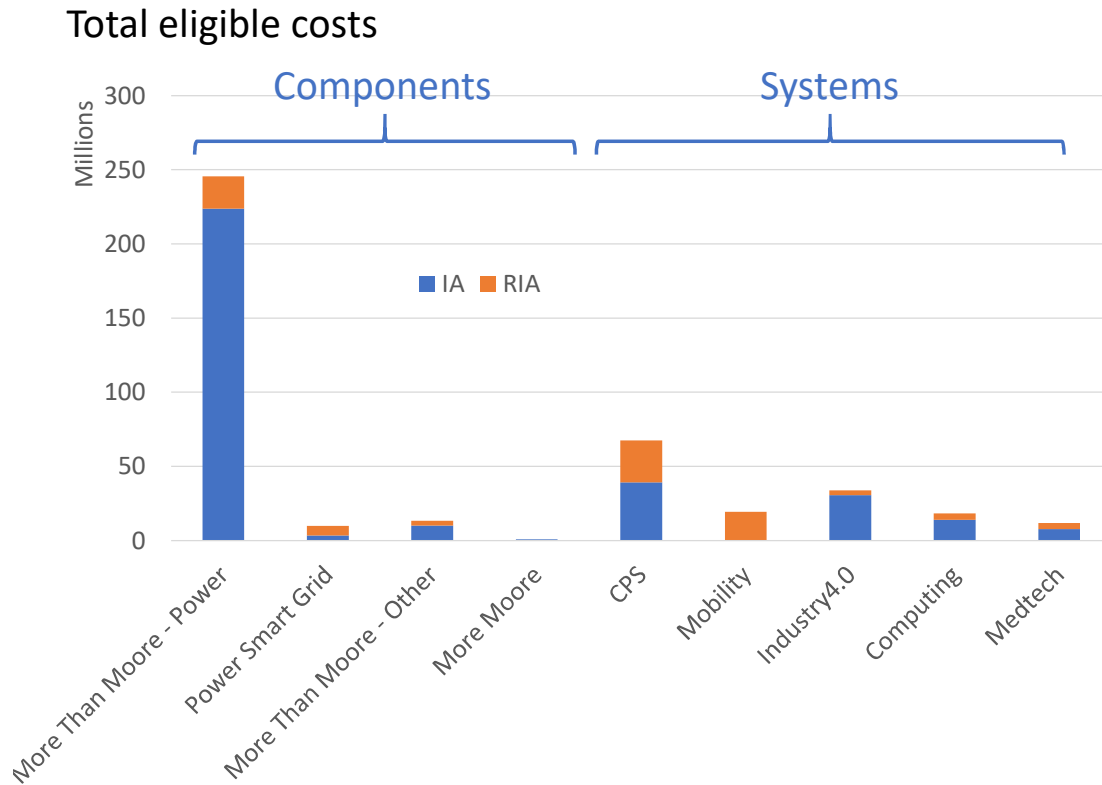
ECSEL JU Call 2020 - 2 selection

Proposal	Title	Coordinator	Country	Participants	Countries
HiEFFICIENT	Highly EFFICIENT and reliable electric drivetrains based on modular, intelligent and highly integrated wide band gap power electronics modules	AVL	AT	33	9
DAIS	Distributed Artificial Intelligent Systems	RISE	SE	48	11
YESvGaN	Vertical GaN on Silicon: Wide Band Gap Power at Silicon Cost	BOSCH	DE	23	7
AI4CSM	Automotive Intelligence for/at Connected Shared Mobility	INFINEON	DE	41	10
AI-TWILIGHT	AI powered Digital twin for lighting infrastructure in the context of front-end Industry 4.0	SIGNIFY	NL	25	8
AIDOaRt	AI-augmented automation for efficient DevOps, a model-based framework for continuous development At RunTime in cyber-physical systems	MAELARDALENS HOEGSKOLA	SE	34	7
MATQu	Materials for Quantum Computing	FhG	DE	18	7
IMOCO4.E	Intelligent Motion Control under Industry 4.E	SIOUX	NL	47	13

Italian participants and topics



Italian investment and funding



Key Digital Technologies Joint Undertaking

- Single Basic Act ⁽¹⁾
 - Central Management of Financial Contributions
 - Common Back Office
 - Administrative resources
- Overall timing & 2021 call
- Work Plan 2021 and prioritization

(1) <https://ec.europa.eu/transparency/regdoc/rep/1/2021/EN/COM-2021-87-F1-EN-MAIN-PART-1.PDF>

Conclusion

- ECSEL is still doing very well ⁽¹⁾
- For KDT we are still running late
- Still many things to discuss on KDT
- ECSEL JU symposium

upcoming :



(1) <https://www.ecsel.eu/news/powering-digital-transformation-europe>