
ECSEL CALLS 2017

YVES GIGASE



ECSEL Joint Undertaking

Electronic Components and Systems for European Leadership

RESULTS OF CALLS



Calls	Beneficiaries	H2020 costs	EU Funding	National Funding	ESIF
2017-1-IA	183	469,322,749	110,067,691	105,233,389	3,687,541
2017-2-RIA	268	215,680,946	63,124,661	57,395,061	2,815,585
TOTAL	451	685,003,695	173,192,352	162,628,450	6,503,127

National Funding / EU Funding = 0.94
Total Funding / H2020 Cost = 50%
Success Rate = 32%

SELECTED IA PROJECTS



Proposal Acronym	Proposal Title
iDev40	Integrated Development 4.0
OCEAN12	Opportunity to Carry European Autonomous driving further with FDSOI technology up to 12nm node
POSITION-II	A pilot line for the next generation of smart catheters and implants
REACTION	first and euROPEAn siC eigTh Inches pilOt liNe
TAPES3	Technology Advances for Pilotline of Enhanced Semiconductors for 3nm
WAKeMeUP	Wafers for Automotive and other Key applications using Memories, embedded in Ulsi Processors

SELECTED IA PROJECTS



Proposal	Coordinator Legal Name	EPS	H2020 Cost	EU Funding
iDev40	INFINEON TECHNOLOGIES AUSTRIA AG	AT	47,069,170.00	10,896,693.95
OCEAN12	SOITEC SA	FR	103,656,287.50	25,056,447.45
POSITION-II	PHILIPS ELECTRONICS NEDERLAND B.V.	NL	41,297,920.00	10,547,414.23
REACTION	STMICROELECTRONICS SRL	IT	48,655,792.50	10,929,861.06
TAPES3	ASML NETHERLANDS B.V.	NL	131,954,106.25	28,196,296.23
WAKeMeUP	STMICROELECTRONICS CROLLES 2 SAS	FR	96,689,472.50	24,440,978.13
TOTAL			469,322,748.75	110,067,691.05

SELECTED RIA PROJECTS



Proposal Acronym	Proposal Title
5G_GaN2	Advanced RF Transceivers for 5G base stations based on GaN Technology.
AFarCloud	Aggregate Farming in the Cloud
FITOPTIVIS	From the cloud to the edge - smart Integration and OPTimization Technologies for highly efficient Image and Video processing Systems
HiPERFORM	High performant Wide Band Gap Power Electronics for Reliable, energy eEfficient drivetrains and Optimization thRough Multi-physics simulation
PRYSTINE	Programmable Systems for Intelligence in Automobiles
SECREDas	Cyber Security for Cross Domain Reliable Dependable Automated Systems

SELECTED RIA PROJECTS



Proposal	Coordinator Legal Name	EPS	H2020 Cost	EU Funding
5G_GaN2	UNITED MONOLITHIC SEMICONDUCTORS SAS	FR	21,572,291.25	6,274,801.02
AFarCloud	UNIVERSIDAD POLITECNICA DE MADRID	ES	28,098,802.50	8,747,215.29
FITOPTIVIS	PHILIPS MEDICAL SYSTEMS NEDERLAND BV	NL	22,469,913.75	6,726,016.18
HiPERFORM	AVL LIST GMBH	AT	41,215,043.75	11,811,417.57
PRYSTINE	INFINEON TECHNOLOGIES AG	DE	51,238,115.00	14,690,494.03
SECRETAS	NXP SEMICONDUCTORS NETHERLANDS BV	NL	51,086,780.00	14,874,716.73
TOTAL			215,680,946.25	63,124,660.82

ECSEL CALLS 2018

YVES GIGASE



ECSEL Joint Undertaking

Electronic Components and Systems for European Leadership

GRAND CHALLENGES



- The Grand Challenges addressed in the MAPS2018 are derived from the SRA

PLANNING



- Call 2018-1 Innovation Action
- Call 2018-2 Research and Innovation action
 - Part A: All Grand Challenges except “***Implementing AI and machine learning, to detect anomalies or similarities and to optimize parameters***”
 - Part B: Grand Challenge “***Implementing AI and machine learning, to detect anomalies or similarities and to optimize parameters***”
- Call 2018-3 Coordination and Support Action for the Lighthouse Initiative **Industry4.E**
- Call 2018-4 Coordination and Support Action for the Lighthouse Initiative **Mobility.E**
- **Two procurement studies**

CALL 2018-1 INNOVATION ACTION



- Similar to call 2017-1
- Weight Innovation/Impact/Implementation: 1.0 / 1.5 / 0.7
- Funding rates LE / SME / OTHER: 20% / 25% / 35%
- Capping: EU contribution per project capped at 30M€ and maximum contribution per partner in a project is limited to 50% of the total EU funding for the project.
- EU Budget: 110M€
- Scope: Proposals on all MASP2018 Grand Challenges EXCEPT “**Implementing AI and machine learning, to detect anomalies or similarities and to optimize parameters**” (Chapter 4.b)
- Page limit Innovation/Impact/Implementation: 60 / 60 / 60
- Strive for a National funding to EU funding of 1.2

CALL 2018-2 RESEARCH AND INNOVATION ACTION PART A



- Similar to call 2017-2
- Weight Innovation/Impact/Implementation: 1 / 1 / 0.7
- Funding rates LE / SME / OTHER: 25% / 30% / 35%
- Capping: The EU contribution per project is capped at 15M€ and the maximum contribution per partner in a project is limited to 40% of the total EU funding for the project.
- EU Budget: 53.33M€
- Scope: Proposals on all MASP2018 Grand Challenges **EXCEPT “Implementing AI and machine learning, to detect anomalies or similarities and to optimize parameters”** (Chapter 4.b)
- Page limit Innovation/Impact/Implementation: 60 / 60 / 60
- Strive for a National funding to EU funding of 1.2

CALL 2018-2 RESEARCH AND INNOVATION ACTION PART B



- Differences with call 2017-2
- Weight Innovation/Impact/Implementation: 1.3 / 1 / 0.7
- Funding rates LE / SME / OTHER: 25% / 30% / 35%
- Capping: maximum EU contribution per partner in a project is limited to 10% of the total EU funding for the project.
- EU Budget: 10M€ ONLY one project selected
- Scope: Proposals only on Grand Challenge “**Implementing AI and machine learning, to detect anomalies or similarities and to optimize parameters**” (Chapter 4.b)
- Page limit Innovation/Impact/Implementation: 60 / 60 / 60
- Strive for a National funding to EU funding of 1.2

CALL 2018-2 RESEARCH AND INNOVATION ACTION PART B



- The proposals should focus on applications that use the relevant technologies developed by the partners and the applications should be demonstrated under conditions as close as possible to real-life.
- Execution by a consortium consisting of leading European enterprises and research organizations in the field of the topic complemented with end-users.
- The objectives next to the developed applications is to establish roadmaps, exploitation studies, business cases for those technologies;
- A deployment plan showing how to develop and valorise the technology in a European context by European participants.

CALL 2018-3 AND 2018-4 COORDINATION AND SUPPORT ACTIONS

- One action per Lighthouse Initiative : Industry4.E and Mobility.E
- EU-Funding: 100%
- Duration: 3 years
- Budget per call: 500k€
- Scope: support to the Lighthouse Initiative
- Page limit Innovation/Impact/Implementation: 60 / 60 / 60

PROCUREMENTS



- Procurement A: Benchmarking of public financial support mechanisms and organisation to R&I activities in the ECS sector in other parts of the world (Budget 200k€)
- Procurement B: ECS technology impact study on societal challenges, creating economic growth and employment related to and derived from the 3 programs (ENIAC, ARTEMIS, ECSEL) (Budget 400k€)