

Horizon

Horizon 2020 Part

National Contact Point for Horizon 2020 in Japan

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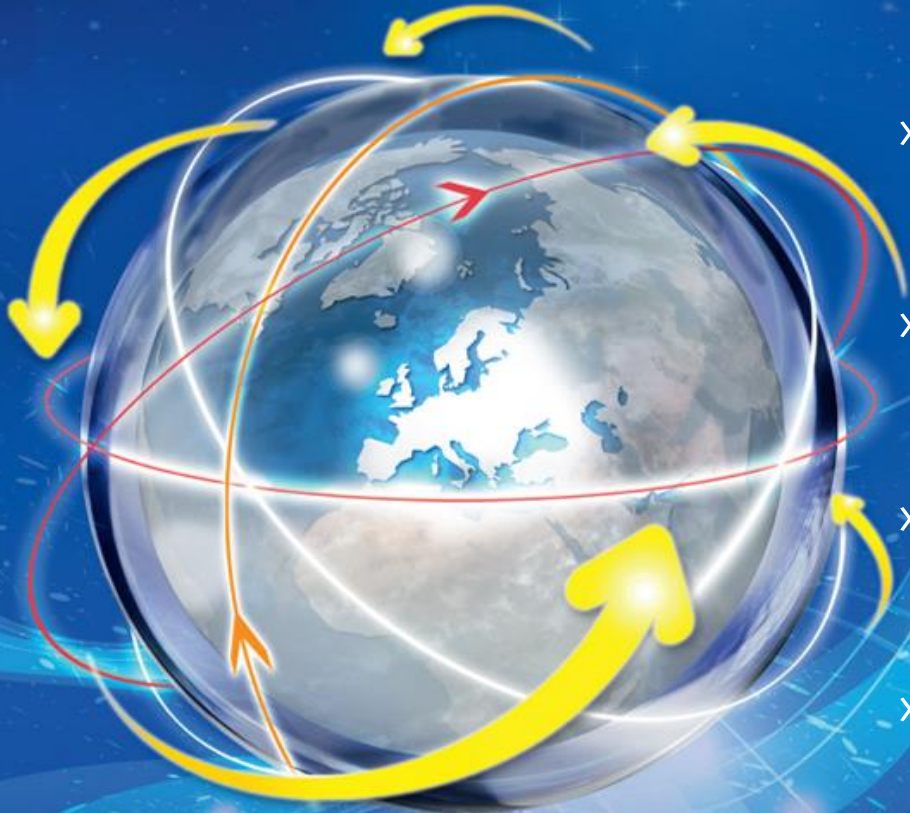
Agenda

1. Horizon

2.

(FAQ)

HORIZON 2020



> 2010 Europe2020

> 2014 -2020 800
10)

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1. Excellent science)

European Research Council (ERC)
Future and emerging technologies
Marie Skłodowska Curie Actions (MSCA)

2. (Industrial leadership)

Information & Communication Technologies
Nanotechnologies, Advanced materials, Biotechnology & advanced manufacturing & processing
Space

(Societal challenges)

Health, Demographic change and well-being
Food security, Sustainable agriculture & forest, Maritime & inland water research and bioeconomy
Secure, Clean & efficient energy
Smart, Green & integrated transport
Climate action, Environment, Resource efficiency, and raw materials
Secure societies -protecting freedom & security of Europe & its citizens

Top Down	Research & Innovation Action	RIA	3 EU		36-48	€	M	
	Innovation Action	IA	3 EU	70%	30-36	€	M	
	Coordination Support Action	CSA	1 EU 1		12-30	€	M	
Bottom U	Research & Innovation Staff Exchange	RISE	2 EU 2 3 EU +	%	48	€	M	

EU

RISE

Technology readiness level (TRL)

- TRL 1 basic principles observed TRL 2 technology concept formulated TRL 3 experimental proof of concept
- TRL 4 technology validated in lab TRL 5 technology validated in relevant environment
- TRL 6 technology demonstrated in relevant environment TRL 7 system prototype demonstration in operational environment
- TRL 8 system complete and qualified TRL 9 actual system proven in operational environment

MSCA ERC)

Marie Sklodowska -Curie Actions MSCA)

Mobility

4

ITN
IF
RISE:
COFUND

RISE

European Research Council ERC
3.5Mil

5

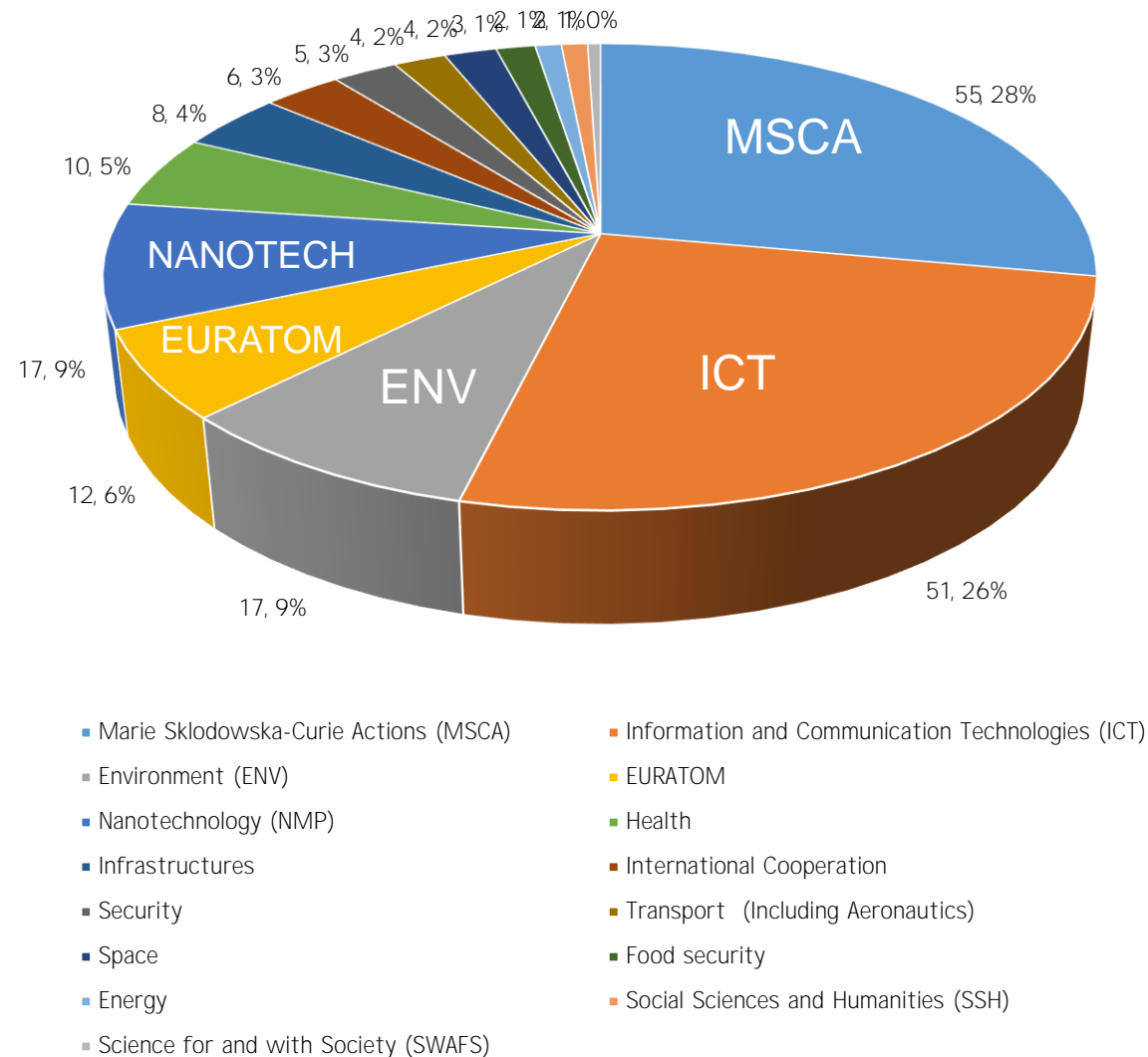
ITN/IF/ERC

- 1.
- 2.
- 3.

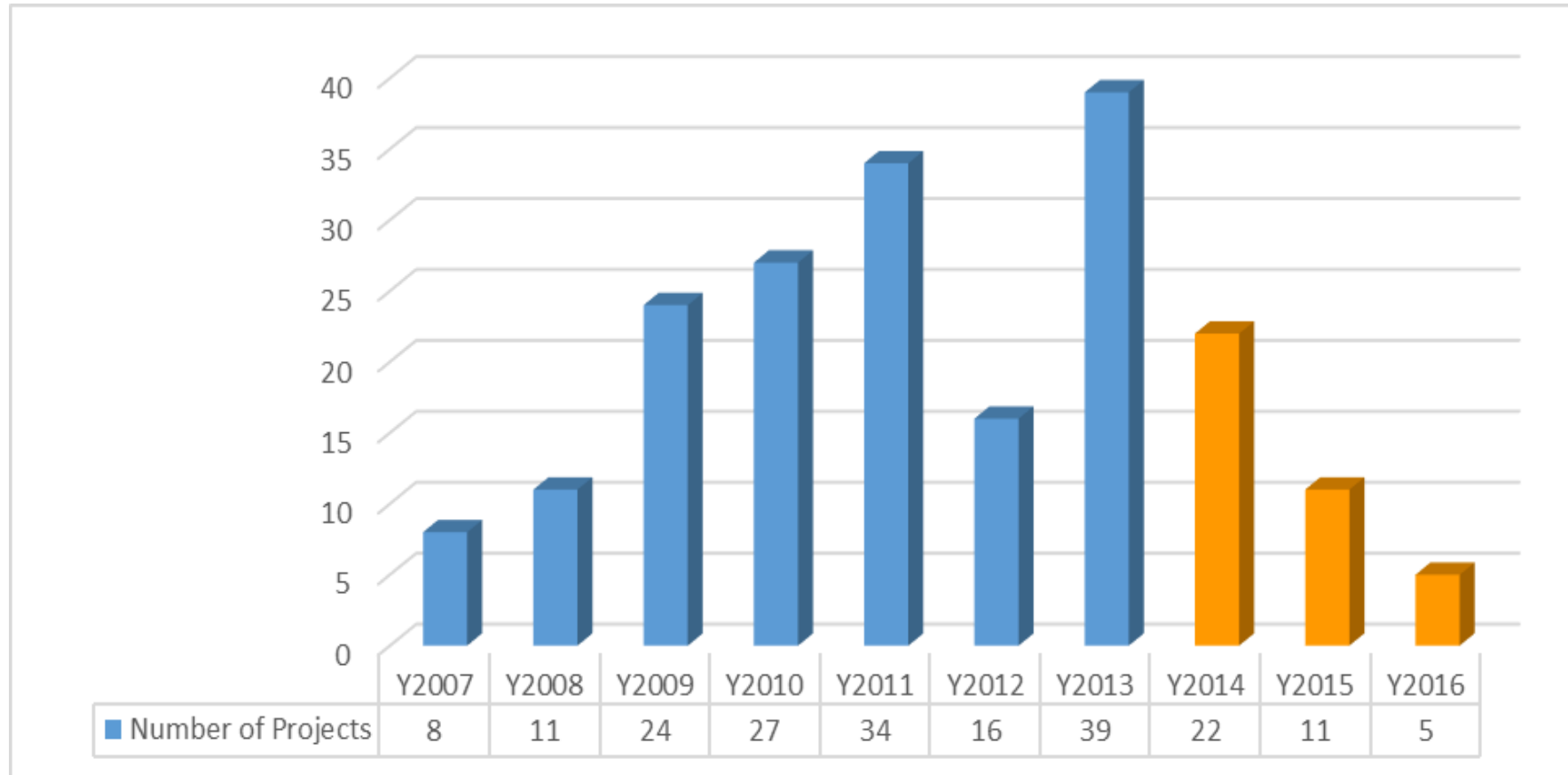
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FP7 (2007-2013) ó Horizon 2020 (2014-2015)

	FP7	Horizon 2020	FP7 + Horizon 2020
Marie Sklodowska - Actions (MSCA)	37	18	55
Information and Communication Technologies (ICT)	41	10	51
Environment (ENV)	14	3	17
EURATOM	10	2	12
Nanotechnology (NMP)	16	1	17
Health	9	1	10
Infrastructures	7	1	8
International	6	0	6
Security	5	0	5
Transport (Including Aeronautics)	4	0	4
Space	2	2	4
Food security	3	0	3
Energy	2	0	2
Social Sciences and Humanities (SSH)	2	0	2
Science for and with Society (SWAFS)	1	0	1
TOTAL	159	38	197



FP7 (2007-2013) – Horizon 2020 (2014-2015)



FP7 (2007-2013) – Horizon 2020 (2014-2015)

Participant legal name	Number of Projects
University of Tokyo	24
United Nations University	16
RIKEN	10
Waseda University	9
Osaka University	8
Kyoto University	8
Hokkaido University	6
National Institute of Information and Communication Technology	5
Japan Aerospace Exploration Agency	5
Keio University	4
Nippon Telegraph and Telephone Corporation	4

H2020

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2015 10

- H2020
- 2

2016

2017

2016 9

- 2017

4

2016 9 2016 2

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11/8

2017 3 1

- H2020

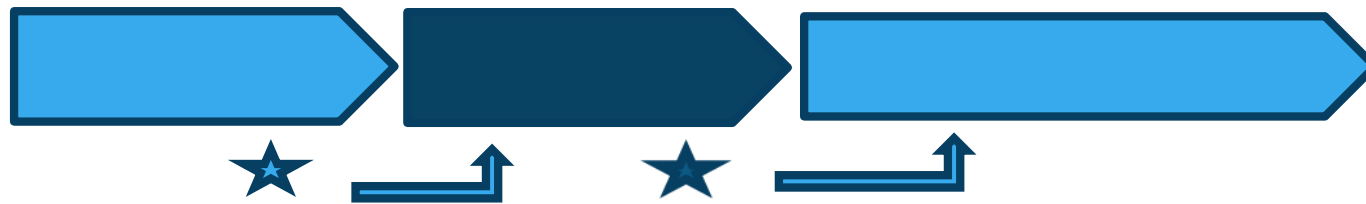
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Framework Programme (FP)

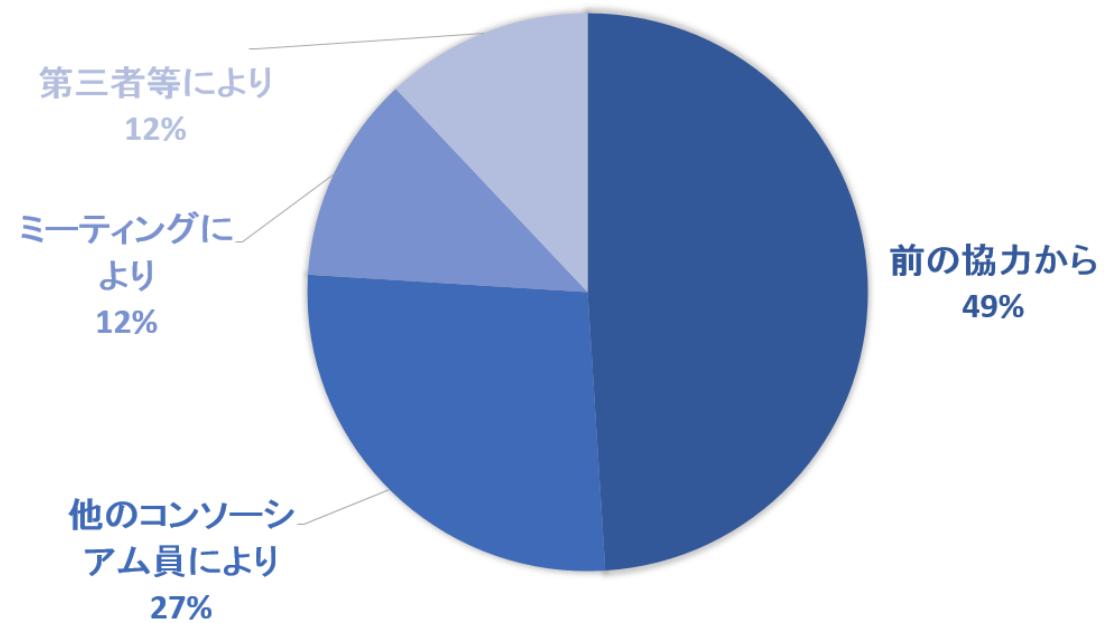


Work Programme



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2020



Graph: How partners in FP7/Horizon 2020 get connected

Coordinator

Coordinator
EC

Coordinator

Coordinator
Topic Description
Expected Impact

EC
Specific Challenge, Scope,
Part A, B)

Coordinator

Letter of Intent

Beneficiaries

2020
<http://www.ncp-japan.jp/>

Consortium Agreement

EC

EC

Agreement

Grant Agreement
EC

Declaration of Honour

Key Strategic Area
ICT (MIC/NICT)
NEDO

JST)

Coordinated Calls
Japan targeted Calls

Coordinated Calls
Horizon

Coordinator

EU -JAPAN Joint Calls

SC1 -PM-14 -2016

EU -Japan cooperation on Novel ICT Robotics based solutions for active and healthy ageing at home or in care facilities.

EU funding : Euro 1 2mil

Deadline : 12 Apr. 2016

28

ICT

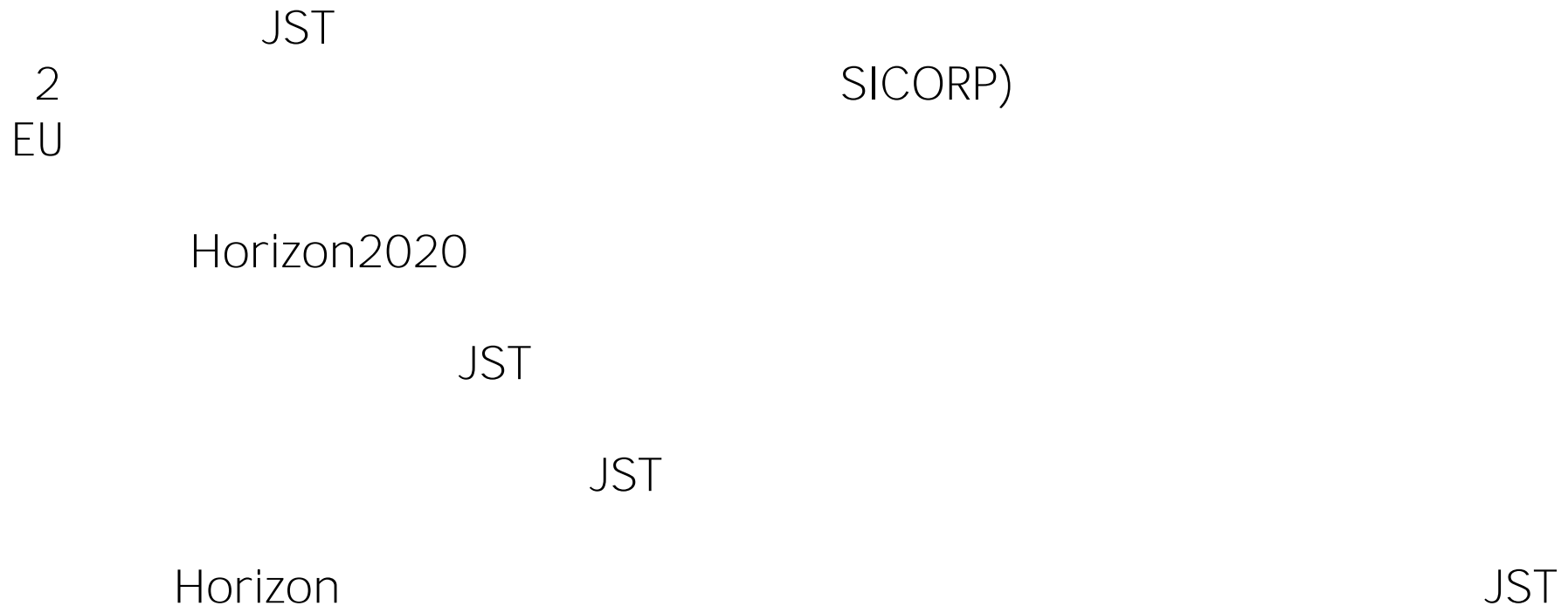
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NMBP-02-2016

Advanced Materials for Power Electronics based on wide band gap semiconductor devices technology

EU funding : Euro 5 8mil

Deadline : 1st stage 08 Dec. 2015 , 2nd stage 24 MAY 2016



Calls where Japanese participation is flagged

ICT -31 -2017

Micro-and nanoelectronics technologies

EU funding : RIA Euro 2 4mil

IA Euro 1 mil

Deadline : 25 Apr. 2017

RIA

Proposals at TRL at 2 -3 are called for.

International cooperation with clear EU industrial benefits may be considered preferably with nations that have substantial research in the area. (e.g. Japan, South Korea, Taiwan, and USA)

/NICT

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- Grant Agreement, Consortium Agreement, Declaration of Honour
- /NICT
- Coordination Agreement

- Horizon
- Horizon
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★ Horizon 2020最新公募一覧

日本は第3国としてHorizon 2020のどの公募へもご応募いただく事が可能です。そのうち、特に日本からの参加が推奨されている公募は下記の通りです。

Information and Communication Technologies

5G PPP Research and Validation of critical technologies and systems (ICT-07-2017)	分野 ICT 助成金額 RIA : 最大1,016百万円、CSA : 最大381百万円 締切 2016年11月8日	詳しくはこちら ▶
5G PPP Convergent Technologies (ICT-08-2017)	分野 ICT 助成金額 RIA : 最大317百万円、IA : 最大1,016百万円 締切 2016年11月8日	詳しくはこちら ▶
Micro- and nanoelectronics technologies (ICT-31-2017)	分野 ナノテクノロジー 助成金額 RIA : 最大507百万円、IA : 最大253百万円、CSA : 63百万円 締切 2017年4月25日	詳しくはこちら ▶

SME Instrument Phase 3

A better access to industrial technologies developed overseas (INNOSUP-08-2017)	分野 イノベーション 助成金額 最大130百万円 締切 2017年3月28日	詳しくはこちら ▶
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Smart, green and integrated transport

Protection of all road users in crashes (MG-3.2-2017)	分野 C-ITS 助成金額 最大1,143百万円 締切 2017年1月26日	詳しくはこちら ▶
Electrified urban commercial vehicles integration with fast charging infrastructure (GV-08-2017)	分野 エコカー 助成金額 最大1,903百万円 締切 2017年2月1日	詳しくはこちら ▶

GV-08-2017

Electrified urban commercial vehicles integration with fast charging infrastructure

Publication date : 14 October 2015

Deadline Model : single -stage

TRL

Euro

Mil (

Types of action : IA (Innovation action)

Opening date : 04 October 2016

Deadline : 01 February 2017

Topic Description :

Specific Challenge:

Scope:

Expected Impact :

KM

W

CF

CF

V1

V1

2023

Micro- and nanoelectronics technologies

Publication date : 14 October 2015

Types of action : CSA, IA, RIA

Deadline Model : single -stage

Opening date : 8 December 2016

Deadline : 25 April 2017

Topic Description:

Specific Challenge:

FET

RIA Research and Innovation actions 2

TRL :

:Euro 2 Mil

Scope:

Expected Impact:

IA Innovation action TRL

CSA Coordination and Support Action

Euro Mil (

Euro Mil

MG-3.2-2017

Protection of all road users in crashes

Publication date : 14 October 2015
Deadline Model : two-stage
2nd stage Deadline : 19 October 2017
TRL
Euro 4 9Mil

Types of action : RIA Research and Innovation actions
Opening date : 20 September 2016 Deadline : 26 January 2017

Topic Description :
Specific Challenge:

C-IST)

Scope:

(

Expected Impact :

FAQ

Horizon

- Coordinator
- PIC (Participant Identification Code)
-
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BREXIT

- UK
- Associated Country Norway, Swiss

THE Treasury

HORIZON 2020



Open to the World !