

'EU-Japan Cooperation in Research'

*Boost Your Career:
Grants In Practice!
25.7.2016*

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Science and Technology
EU Delegation to Japan*



Partners in Research and Innovation



EU-Japan Research Cooperation 1/2

- S&T Agreement (biennial JCMs since 2011 / TFM)
- Dialogues: ICT dialogue, trilateral CRMs dialogue, EU-JP WG on aeronautics research、Space, Cybersecurity, Energy
- EU-Japan Summits
 - (2015) New strategic partnership in R&I
 - frequent consultations (TF)
 - thematic approach for promoting activities in key strategic areas
 - consolidate frameworks that facilitate activities
 - deepening mutual understanding on key STI policies
 - support activities and public engagement (NCP)



EU-Japan Research Cooperation 2/2

- Collaboration under EU's FP7 & Horizon 2020; priority areas, other areas
- Supporting researchers' mobility and frontier research grants (Horizon 2020: MSCA, ERC)
- Recent developments (JST co-funding scheme, ERC-JSPS mechanism)
- Horizontal topics related to Science Policy
- Outreach, support (NCP, EURAXESS)



Areas of EU-Japan Research Cooperation

Current priority areas:

- Information and Communication Technologies (3 calls with MIC / NICT)
- Critical Raw Materials (2 calls with JST)
- Aeronautics (2 calls with METI)
- Renewable Energy (1 call with METI / NEDO)

Other areas:

- Renewable Energies
- Health/Medical
- Space
- Security
- High Energy Physics
- Nuclear Safety (Under EURATOM)
- Fusion Energy (Under EURATOM / Broader Approach)

Multilateral cooperation:

- Human Frontier Science Program
- ITER

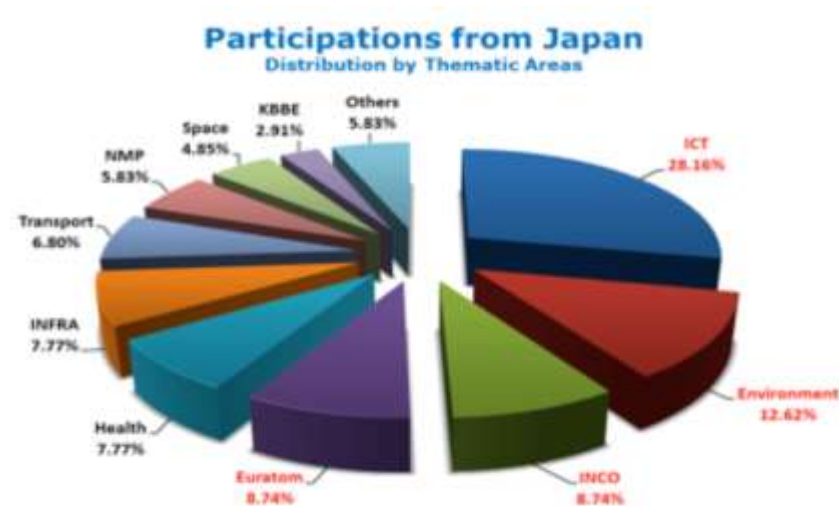
日・EU
科学技術協力の
潜在力を解き放つ

EUの研究枠組み計画における
共同研究計画の事例





102 Japanese participations in cooperative research projects under FP7 10 participation under Horizon 2020 (March 2016)





Call	Topic
COORDINATED CALLS	
EU-Japan Joint Call	
	EUJ-01-2016: 5G – Next Generation Communication Networks
	EUJ-02-2016: IoT/Cloud/Big Data platforms in social application contexts
	EUJ-03-2016: Experimental testbeds on Information-Centric Networking
Personalised Medicine	
Active ageing and self-management of health	
	SC1-PM-14-2016: EU-Japan cooperation on Novel ICT Robotics based solutions for active and healthy ageing at home or in care facilities
JAPAN FLAGGED IN OPEN CALLS	
Integrating and opening research infrastructures of European interest	
	INFRAIA-01-2016-2017: Integrating Activities for Advanced Communities
	INFRAIA-02-2017: Integrating Activities for Starting Communities
Future Internet	
	ICT-07-2017: 5G PPP Research and Validation of critical technologies and systems
	ICT-08-2017: 5G PPP Convergent Technologies
	ICT-13-2016: Future Internet Experimentation - Building a European experimental Infrastructure
ICT Key Enabling Technologies	
	ICT-31-2017: Micro- and nanoelectronics technologies
CALL FOR NANOTECHNOLOGIES, ADVANCED MATERIALS, BIOTECHNOLOGY AND PHARMACEUTICALS	
ADVANCED MATERIALS AND NANOTECHNOLOGIES FOR HIGH ADDED VALUE PRODUCTS	
	NMBP-02-2016: Advanced Materials for Power Electronics based on wide bandgap semiconductor devices technology
	NMBP-03-2016: Innovative and sustainable materials solutions for the substitution of critical raw materials in the electric power system

SME Instrument Phase 3 – Dedicated Support Actions	
Call – For a better innovation support to SMEs	
	INNOSUP-08-2017: A better access to industrial technologies developed overseas
2016-2017 Mobility for Growth Call	
SAFETY	
	MG-3.2-2017: Protection of all road users in crashes
	MG-3.5-2016: Behavioural aspects for safer transport
2016-2017 Automated Road Transport Call	
	ART-06-2016: Coordination of activities in support of road automation
2016-2017 Green Vehicles Call	
	GV-02-2016: Technologies for low emission light duty powertrains
	GV-08-2017: Electrified urban commercial vehicles integration with fast charging infrastructure
Greening the Economy	
Raw materials	
	SC5-16-2016-2017: Raw materials international cooperation
ENGAGING TOGETHER GLOBALLY	
	ENG-GLOBALLY-06-2017: The Asia-Pacific as a strategic region for Europe
Digital Security Focus Area	
	DS-05-2016: EU Cooperation and International Dialogues in Cybersecurity and Privacy Research and Innovation
Science with and for Society	
Strengthening the Science with and for Society Knowledge-Base	
	SwafS-14-2017: A Linked-up Global World of RRI
SMART AND SUSTAINABLE CITIES	
Smart Cities and Communities	
	ISCC-04-2016: Sustainable urbanisation



Participation of Japan in MSCA

FP7 (2007-2013)	Horizon 2020 so far (2014 - 2015)
IF – 9	IF – 1
ITN – 17	ITN – 9
IRSES (RISE) – 49	RISE – 17
Total 75	Total 29

Participation of Japan in ERC

Starting grants – 18
Advanced Grants – 1
non-Japanese researchers
affiliated to Japanese organisations - 4



Support for Japanese participants in Horizon 2020

- A new JST Support Scheme
- Started with Work Programme 2016-17
- Initially covers 2 areas:
 - Advanced Materials for Power Electronics (NMBP-02-2016)
 - Substitution of Critical Raw Materials in the Electric Power System (NMBP-03-2016)



ERC-JSPS Scheme

Recipients of the JSPS's Research Fellowships, will be able to temporarily become part of teams led by ERC grant holders (visit to Europe 1-12 months).

特別研究員に対する海外渡航支援

日本学術振興会と海外の対応機関との連携により、特別研究員を対象とした海外渡航支援を行っています。





Cooperation on horizontal topics related to Science Policy (e.g The EU-Japan Science Policy Forum; Open Science, foresight, frameworks to support research, GRC, G7 WG on OS)





Outreach, support – NCP, EURAXESS, other, e.g. European participation at the Science Agora

EUROPE LIGHT HOUSE
BOOTH Aa-048

Science Agora JST

Europe in Science Agora 2015
Miraikan, 14-15 November

OTHER EVENTS:
CYBER-SOCIETIES OF THE FUTURE - VIEWS FROM EUROPE AND JAPAN
14 NOVEMBER, 13:30-15:00
7F MIRAIKAN HALL
THE ROLE OF PUBLIC RESEARCH FOR SHAPING FUTURE SOCIETIES IN EUROPE AND JAPAN
14 NOVEMBER, 15:30-17:00
7F MIRAIKAN HALL
EUROPE LIGHT STAGE
15 NOVEMBER, 10:00-17:00
MIRAIKAN 1F AGORA STAGE C

日本学生支援機構 東京国際交流館賞
表彰状
日本学生支援機構 東京国際交流館賞
授賞者: 駐日欧州連合代表部
授賞理由: 科学技術分野における国際交流の促進に貢献したため
授賞式: 11月14日(金) 15:00-17:00
授賞場所: 東京国際交流館 3F 大会場
授賞者: 駐日欧州連合代表部 代表 高橋 洋一
授賞者: 駐日欧州連合代表部 代表 高橋 洋一

calip so
wayright

ESRF
Electron Synchrotron Facility

CERN

TOHOKU
University

diamond

METASZAXI

KEK
KEK

ERC

RIKEN

LEIL
LEIL

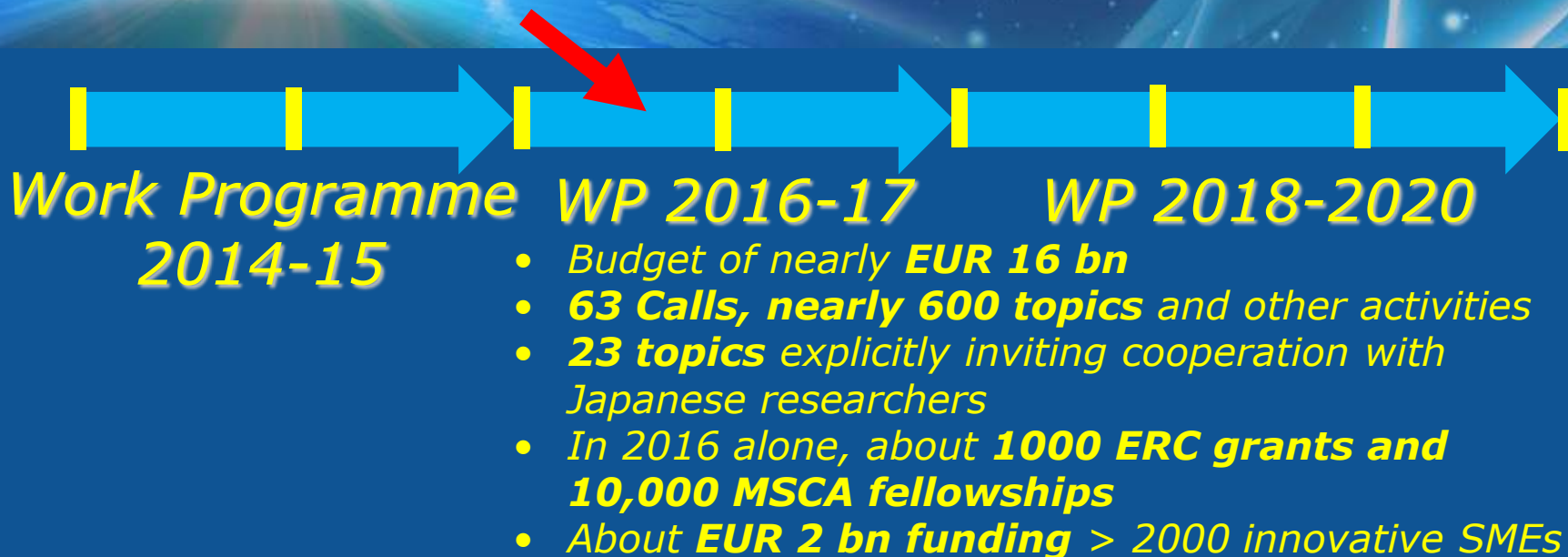
eli
eli

delivery consortium

Delegation of the European Union
駐日欧州連合代表部



HORIZON 2020





Rules of Participation



Minimum Conditions:

- For standard (cooperative) research projects:
- 3 participants from different Member States or associated countries

**In addition, participants from any other country
in the world can also be included**

- For European Research Council or Marie Skłodowska-Curie:
 - 1 researcher
 - 1 host institution
 - 1 project

HORIZON 2020



<http://ec.europa.eu/research/horizon2020>

✓ **Search:**

horizon 2020 participant portal



✓ or

✓ <http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/index.html>

Thank you for your attention!

Participant Portal

<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>

Helpdesk

<http://ec.europa.eu/research/enquiries>

National Contact Point in Japan

ncp-japan@eu-japan.gr.jp

CORDIS

http://cordis.europa.eu/projects/home_en.html

ERA-NET in Horizon 2020

http://ec.europa.eu/research/era/era-net-in-horizon-2020_en.html

Expert evaluators needed!

<http://ec.europa.eu/research/participants/portal/desktop/en/experts/>

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