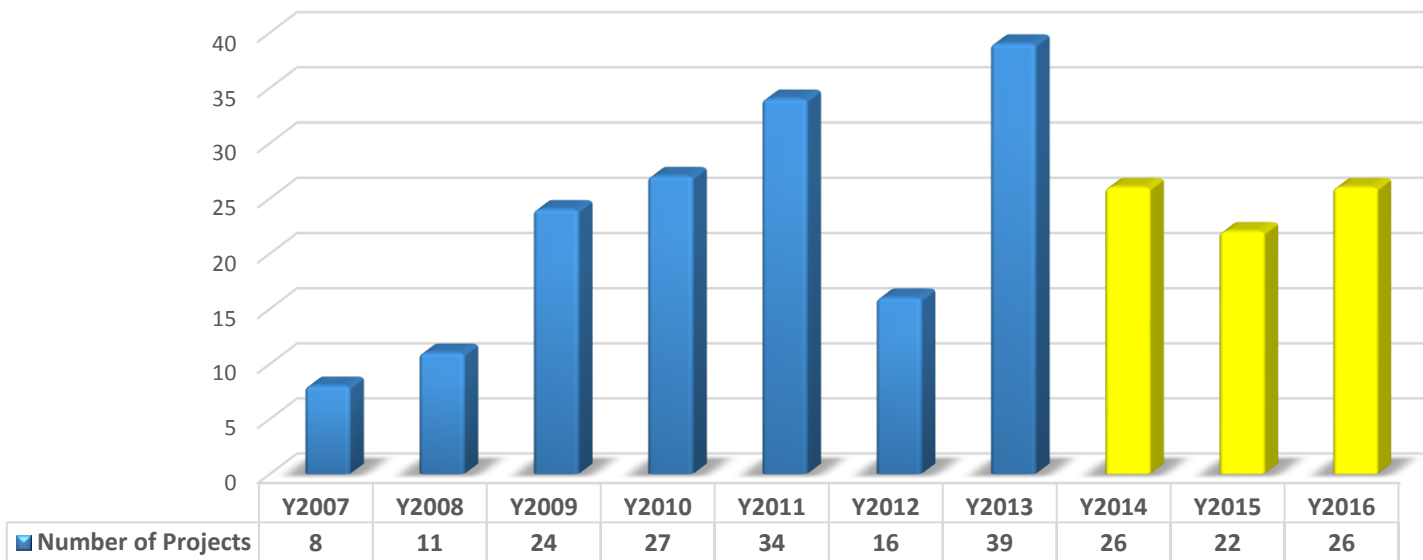


# Achievements, status (and difficulties) of Japanese entities in Horizon 2020

**Stijn Lambrecht**  
Project Manager, NCP Japan / EEN Japan  
**EU-Japan Centre for Industrial Cooperation**

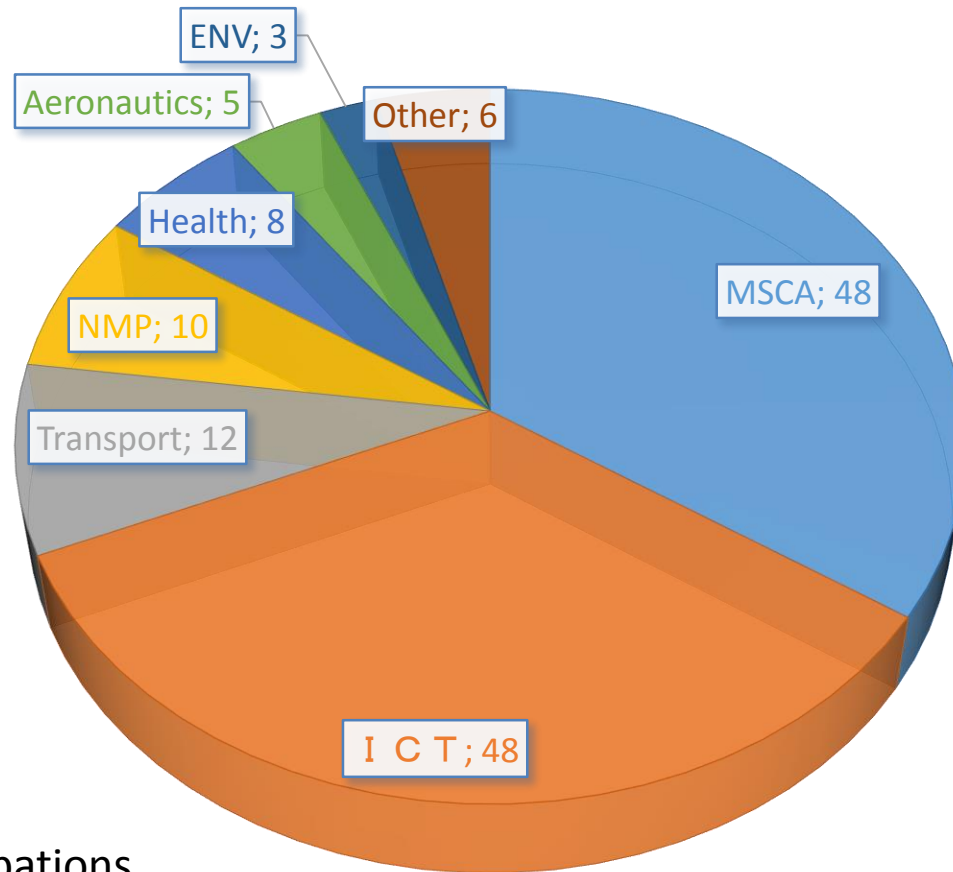
# Direct participation of Japanese organisations to FP7/Horizon 2020

	FP7 (2007-2013)	Horizon 2020 (2014-2016)	Total
Number of Projects	159*	74	233



Includes EU-Japan joint calls and  
RISE (Research & Innovation Staff Exchange) projects  
\*includes pilot projects that were launched in context of ERA-NET project

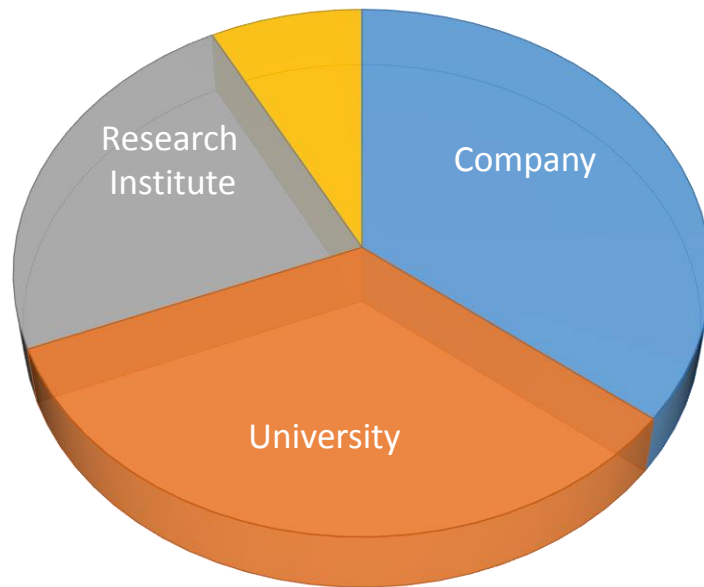
# Participations Japanese organisations in Horizon 2020 by programme area



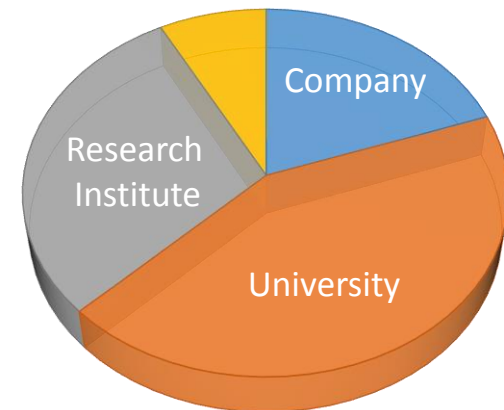
Total of 140 participations.

\*MSCA (Marie S-Curie Action) are exchange related programmes, mainly RISE (Research & Innovation Staff Exchange) and ITN (Innovative Training Network).

# Type of Japanese organisations in Horizon 2020



All projects



Without joint call projects

Half of the company participations from Japan are participating through joint calls (mainly ICT joint calls)  
A far higher number of companies are participating through their affiliates in Europe

# Participation Japan affiliated companies in Europe

	FP7	Horizon 2020	Total
Number of projects	241	95	336
Number of companies	75	50	125
Amount of EC contribution	€ 91 Mil	€ 54 Mil	€ 145 Mil

Participation of Japanese affiliated companies largely in ICT

Affiliate Company Name	Number of Projects	Country in which the company is based	Amount of EC contribution (in EUR)
<b>RENAULT SAS</b>	17	France	10,555,570
<b>NEC EUROPE LTD</b>	19	United Kingdom	9,210,326
<b>FUJIFILM MANUFACTURING EUROPE BV</b>	4	Netherlands	3,862,886
<b>FUJITSU TECHNOLOGY SOLUTIONS GmbH</b>	2	Germany	3,034,216
<b>mitsubishi hitachi power systems europe gmbh</b>	3	Germany	2,183,381
<b>DAIDO INDUSTRIAL BEARINGS EUROPE LIMITED</b>	1	United Kingdom	1,963,033
<b>Nissan West Europe SAS</b>	1	France	1,941,275
<b>TOYOTA MOTOR EUROPE</b>	6	Belgium	1,750,824
<b>HORIBA JOBIN YVON S.A.S.</b>	4	France	1,496,860
<b>FUJIFILM DIOSYNTH BIOTECHNOLOGIES UK LIMITED</b>	2	United Kingdom	1,256,576

# Comparison with similar companies in USA, EU and South Korea

USA	EU contribution	Project Number
<b>Ford</b>	265,801	1
<b>Eaton</b>	397,625	1
<b>GE</b>	1,948,717	10
<b>Dow Chemical</b>	880,538	2
<b>DuPont</b>	1,465,551	4

EU	EU contribution	Project Number
<b>VW</b>	8,422,776	11
<b>PSA</b>	5,304,446	8
<b>Siemens</b>	67,539,461	76
<b>Philips</b>	27,837,562	44
<b>ABB</b>	5,261,625	12
<b>BASF</b>	7,812,024	17
<b>BAYER</b>	2,181,549	8
<b>LINDE</b>	5,951,998	4
<b>Alstom</b>	16,760,882	16
<b>Schneider Electric</b>	7,002,496	15

South Korea	EU contribution	Project Number
<b>Hyundai motor</b>	4,079,750	2
<b>Samsung</b>	3,883,138	5
<b>LG</b>	197,750	1
<b>Samsung SDI</b>	946,321	3
<b>Doosan</b>	562,825	1

# Case 1: Participation to open call

## My-AHA – My Active and Healthy Aging

- Pillar: Societal Challenges
- Period: From 2016-01-01 to 2019-12-31, ongoing project
- Total cost: EUR 5,168,451
- EU contribution: EUR 4,247,233
- Japanese partners: Tohoku University and JIN.Co.,Ltd.
- Project information:  
[http://cordis.europa.eu/project/rcn/200143\\_en.html](http://cordis.europa.eu/project/rcn/200143_en.html)



*We propose a holistic view of interrelated frailties: cognitive decline, physical frailty, depression and anxiety, social isolation and poor sleep quality, which are a major burden to older adults and social and health care systems. Early detection and intervention are crucial in sustaining active and healthy ageing (AHA) and slowing or reversing further decline.*



# Case 2: Participation to joint call

BigClouT: Big data meeting Cloud and IoT for empowering the citizen clout in smart cities

- Period: From 2016-07-01 to 2019-06-30, ongoing project
- Pillar: Leadership in enabling and industrial technologies
- Total cost: EUR 1 349 622,50 (EU-side, same amount JP-side)
- Japanese partners in this project use funds from NICT: NTT, Keio University, Tsukuba University, NII, Tsukuba and Fujisawa City
- Project information:  
[http://cordis.europa.eu/project/rcn/205446\\_en.html](http://cordis.europa.eu/project/rcn/205446_en.html)



*In particular, IoT, cloud and big data are today's key enablers for increasing the efficiency in using shared urban infrastructure, economic and natural resources. The overall concept of the BigClouT project is to give an analytic mind to the city by creating distributed intelligence that can be implanted in the whole city network.*

# Case 3: Participation of Japanese affiliate company in Europe

INLANE: Low Cost GNSS and Computer Vision Fusion for Accurate Lane Level Navigation and Enhanced Automatic Map Generation

- Pillar: Leadership in enabling and industrial technologies
- Period: 2016-01-01 to 2018-06-30, ongoing project
- Total cost: EUR 3 281 028; EU contribution: EUR 2 642 935
- Japanese partner: Honda Research Institute Europe GmbH (Germany)
- Project information:

[http://cordis.europa.eu/project/rcn/200219\\_en.html](http://cordis.europa.eu/project/rcn/200219_en.html)



*InLane proposes new generation, low-cost, lane-level, precise turn-by-turn navigation applications through the fusion of EGNSS and Computer Vision technology. This will enable a new generation of enhanced mapping information based on crowdsourcing.*

# Case 4: Participation to RISE : Research & Innovation Staff Exchange (MSCA : Marie S-Curie Action)

PROTINUS – PROviding new insight into INteractions between soil fUnctions and Structure

- Pillar: Excellent Science
- Period: From 2015-01-01 to 2018-12-31, ongoing project
- Total cost: EUR 459,000
- EU contribution: EUR 175,500
- Japanese partners: Saitama University, Kumamoto University
- Project information:  
[http://cordis.europa.eu/project/rcn/194371\\_en.html](http://cordis.europa.eu/project/rcn/194371_en.html)



*The PROTINUS proposal assembles a multi-disciplinary team to combine advanced, applied and theoretical research to create a new standard in imaging, analysing, modelling and predicting the interactions between soil structure and soil functions.*

# Merits of participation from Japan

## **For Companies:**

- Expand and strengthen the network of companies through the whole value chain and government actors
- Get access through this network of the latest developments in the area of the project
- Contribute to standardization and rule-making
- Use infrastructure and data that is not available in Japan

## **Additional for universities and research organisations:**

- Improve the level of papers, increase international recognition and citations

# Difficulties for Japanese organisations

## **Access to funding:**

- no funding from Japan except few coordinated projects
- no blue-print available on how to handle international projects in terms of funding

**Administrative difficulties:** unnecessary administrative burden without receiving funding

**Project management difficulties:** unclear project communication, limited European partners send the Japanese organisations to NCP Japan for support

**Access to entrance points to get started:** necessity to network in Europe, lack of experience in framework projects, low usage of partnering services

# Strategies towards more involvement of Japanese organisations

*Current situation: passive approach as most often a research or business connection exists prior to the participation. The Japanese organisation is invited to the consortium to bring in specific knowledge/technology.*

## **Participation strategies for active approach:**

1. Take part in the networking opportunities provided by the European Commission (H2020 info days, brokerage events)
2. Actively look for the type of projects you want to get involved in and participate to their open events
3. Use the partner search services to showcase what you want to offer and what you are seeking

# Horizon 2020 Info Days



Large networking events on one thematic area with opportunity to talk directly to European Commission officials, receive background information on calls for proposal and book meetings with other potential participants to build a consortium (face2face meetings)

# Identifying relevant projects

All information on past and current projects is available. Identify the relevant projects, go to its webpage and find open activities/events/challenges in which you can participate in order to establish connections.

[http://cordis.europa.eu/projects/home\\_en.html](http://cordis.europa.eu/projects/home_en.html)

## CORDIS

### Community Research and Development Information Service

#### The primary information source for EU-funded projects since 1990

The **Projects & Results Service** is your one stop for information on EU-funded research projects and project results.

[Read more...](#)

**Horizon 2020** [project information](#) and now also [report summaries](#) are available on CORDIS. All H2020 projects can be [downloaded from the EU Open Data Portal](#) .

#### Search projects and results

Free text





# Free partnering services



Participant Portal Partner Search

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



Horizon 2020 National Contact Point (NCP) Networks

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



Enterprise Europe Network (EEN) for SMEs:

<http://een.ec.europa.eu>



CORDIS Partners service

<https://cordis.europa.eu/partners/>

# NCP Japan

## National Contact Point in Japan

- NCP system is available in each member state, associate country and many 3<sup>rd</sup> countries
- Funded through national governments, in case of Japan by METI, with nomination from MOFA
- Promotes Horizon 2020 in Japan
- Provides potential applicants and participants to projects with information and advice, support in application procedures and partner search
- NCP Japan started operation in April 2014

*A help desk for FP7/Horizon 2020 has been running at the EU-Japan Centre since 2010 in context of the FP7 projects J-BILAT and JEUISTE until February 2017. The help desk provided support in 23% of applications for 2016 calls as compared to 9% of applications for 2014 calls.*

# Services from NCP Japan

**Website in Japanese** with easily accessible information on Horizon 2020, call information, how to participate, information on running projects: <http://www.ncp-japan.jp>

**Help desk for any inquiry related to Horizon 2020:** actively helping Japanese organizations to participate in Horizon 2020 by providing tailored and practical information, such as topic guidance and administrative issues

**Japanese translations of key documents in Horizon 2020** (such as the Grant Agreement) for easier access to Japanese organisation

**Trainings for research administrators and research managers** to deal with EU research projects and integrating Japan partners

**Partner search support** through thematic NCP Networks and the Enterprise Europe Network

NCP Japan website: <http://www.ncp-japan.jp/>

The screenshot shows the NCP Japan website for Horizon 2020. The header is dark blue with the Horizon 2020 logo and text: "Horizon 2020 NCP (National Contact Point) Japan は Horizon 2020 への日本からの参加を支援しています。". There is an "ENGLISH" button and an "お問い合わせ" (Contact Us) button with an envelope icon. A navigation bar contains links: "ホーム", "Horizon 2020とは", "参加するには", "参加例", "公募情報", "イベント", and "ヘルプデスク". The main content area features a large image of a man with glasses and a red jacket. Overlaid on this is a blue box with white text: "ホライズン2020紹介映像が完成いたしました。", "My-AHAプロジェクト〜日本からの参加者", "出演：株式会社ジェイアイエヌ清水唯史氏", "東北大学加齢医学研究所川島隆太教授", and an orange button "詳しくはこちら". Below this is a blue banner with the text "Horizon 2020 とは 総額800億ユーロが投じられる、EU史上最大規模の研究・イノベーション枠組み計画です。". The footer has three grey boxes: "日本から参加するメリット" (飛躍的に広がるネットワーク), "日本の参加例" (My-AHA : 東北大学、株式会社ジェイアイエヌ), and "お問い合わせ" (Horizon 2020への参加、).

Horizon 2020 NCP (National Contact Point) Japan は  
Horizon 2020 への日本からの参加を支援しています。

ENGLISH

お問い合わせ

ホーム | Horizon 2020とは | 参加するには | 参加例 | 公募情報 | イベント | ヘルプデスク

ホライズン2020紹介映像が完成いたしました。

My-AHAプロジェクト〜日本からの参加者  
出演：株式会社ジェイアイエヌ清水唯史氏  
東北大学加齢医学研究所川島隆太教授

詳しくはこちら

Horizon 2020 とは 総額800億ユーロが投じられる、EU史上最大規模の研究・イノベーション枠組み計画です。

日本から参加するメリット  
飛躍的に広がるネットワーク

日本の参加例  
My-AHA : 東北大学、株式会社ジェイアイエヌ

お問い合わせ  
Horizon 2020への参加、

Thank you for your attention.

[stijn.lambrecht@eu-japan.gr.jp](mailto:stijn.lambrecht@eu-japan.gr.jp)  
<http://www.ncp-japan.jp>

**NCP Japan**  
National Contact Point in Japan



Horizon 2020



**EU-Japan Centre**  
for Industrial Cooperation

日欧産業協力センター