EURAXESS Japan Tour
Tohoku Univ.
3. Sep. 2018

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Apply Horizon 2020 from Japan

Naomichi Yamada
National Contact Point for Horizon 2020
EU-Japan Centre for Industrial Cooperation

Horizon 2020

Topics

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- Overview (Collaborative Research)
  - Condition / Research Theme
  - Research and Innovation Staff Exchange (RISE)
- Participation from Japan
  - Statistics
  - Benefits of participation
  - Form a consortium
  - Service of NCP Japan

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Overview
(Collaborative Research)

Type & Condition of Collaborative Research

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Research Theme	Action (Code)	Activities	Condition	Finance	Period	Grant (Ave.)
Top Down	Research & Innovation Action (RIA)	Basic research, Technology development Small-scale prototype	3 MS/AC * & 3 Entities	100%	36-48Mo.	€2. 0－5. 0M
Top Down	Innovation Action (IA)	Prototyping, large-scale product validation Market replication	3 MS/AC *& 3 Entities	70%	30-36Mo.	€2. 0－5. 0M
Top Down	Coordination & Support Action (CSA)	Standardization, Policy dialogue, Dissemination Awareness-raising	1 MS/AC *& 1 Entity	100%	12-30Mo.	€0. 5－2. 0M
Bottom Up	Research & Innovation Staff Exchange (RISE)	Global and inter-sector collaboration based on transfer of knowledge through exchange staff	2 MS/AC *& 2 Entities +3rd Country (or MS/AC*)	100%	Less than 48Mo.	€0. 1－0. 8M

* MS: EU Member States, AC: Associated countries

- Participants of developed countries（JPN,US,China,Russia,etc） are not automatically funded.
  Exceptional funding can be accorded if their participation is deemed to be essential for carrying out the project (for instance due to outstanding expertise, access to unique know-how, access to research infrastructure, access to particular geographical environments, possibility to involve key partners in emerging markets, access to data, etc.)
- Japanese subsidiaries established in Europe are eligible for funding.
- Japanese funding organizations（MIC 総務省, NICT,JST, etc.,) fund to Japanese participants in Coordinated calls.

Call

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General call

" Work Programme " is announced in every 2 years and details of each call (Theme, Scope, Time line, Funding, Conditions, etc.) are published.

Coordinated Call

Japanese funding agencies fund Japanese entities who participate in the specific call of Horizon 2020.

(Submission procedures vary depending on the funding agency)

EU-Japan Science and Technology agreement （in force 2011）

Deepening strategic cooperation by frequent consultations at multiple levels.
(Summits, Joint S&T Committee meetings, Senior officials meetings, etc.)

- Areas of current substantial cooperation
  ICT, Aeronautics, Materials research including Critical Raw Materials
- Areas where cooperation can be strengthened
  Health, Energy, Environment, High Energy Physics
- Other areas discussed
  Research Infrastructure, Space, Security, Graphene, Human Brain

Research Theme

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Category

Excellent Science

Marie Sklodowska-Curie Actions

etc.

Industrial Leadership

Space

Nano-technologies, Advanced Materials, Bio-technologies,・・・

Information and Communication Technologies

etc.

Societal Challenges

Health, Demographic Change and Wellbeing

Food security, Sustainable Agriculture and Forestry,・・・

Secure, Clean and Efficient Energy

Smart, Green and Integrated Transport

Climate Action, Environment Resource efficiency and Raw Materials

Europe in a Changing world - inclusive, innovative and reflective societies

Secure Societies - Protecting freedom and Security of Europe and its citizens

etc.

Category
Secure Societies, Protecting freedom and・・・

Call (公募群)
“ Security “

Topic（課題）
“ Technologies for first responders “

Coordinated Calls & Japan mentioned in Open Calls

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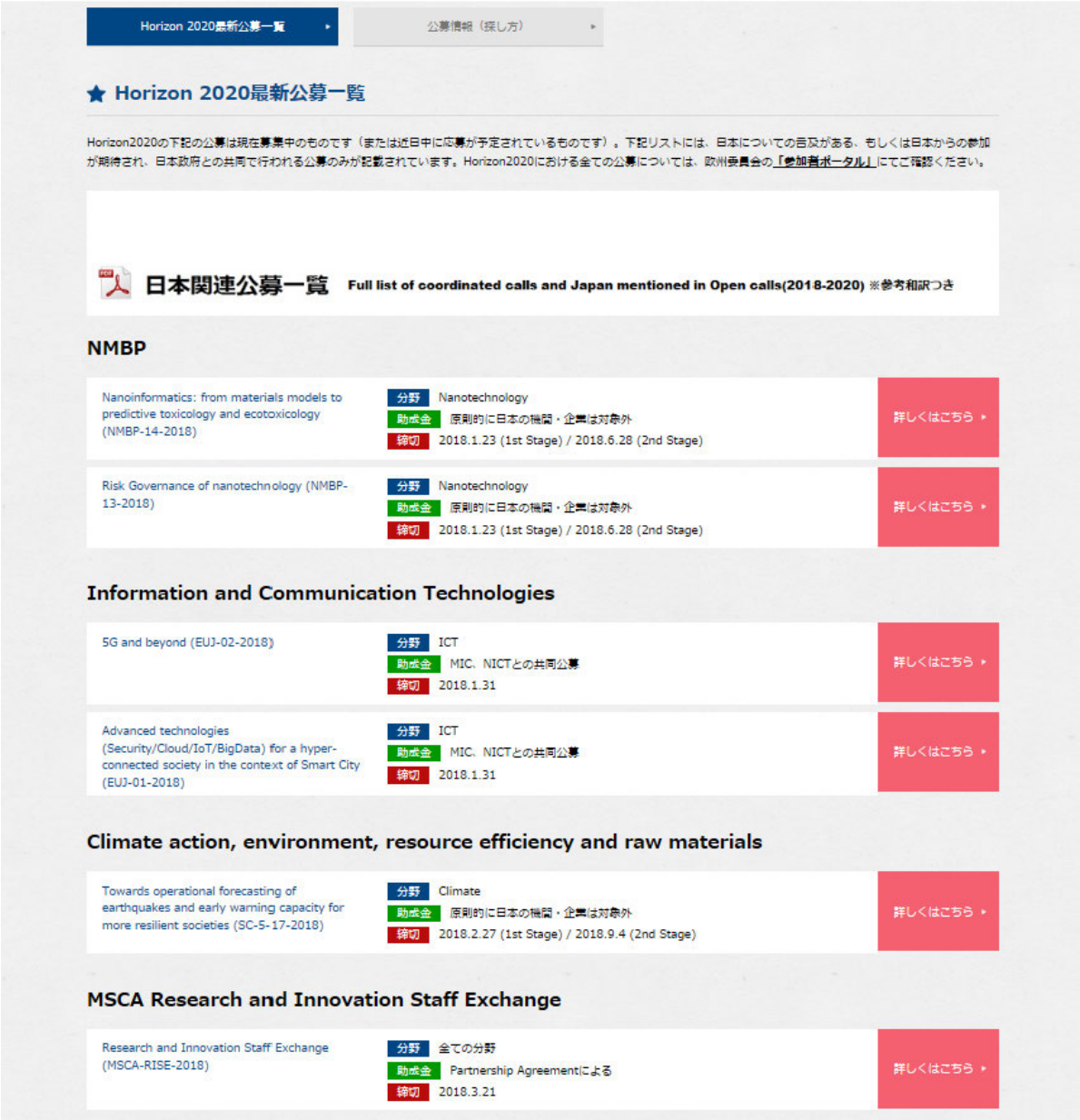

Horizon 2020最新公募一覧 ▸ | 公募情報（探し方） ▸

★ Horizon 2020最新公募一覧

Horizon2020の下記の公募は現在募集中のものです（または近日中に応募が予定されているものです）。下記リストには、日本についての言及がある、もしくは日本からの参加が期待され、日本政府との共同で行われる公募のみが記載されています。Horizon2020における全ての公募については、欧州委員会の「参加者ポータル」にてご確認ください。

日本関連公募一覧 **Full list of coordinated calls and Japan mentioned in Open calls(2018-2020)** ※参考和訳つき

NMBP

Nanoinformatics: from materials models to predictive toxicology and ecotoxicology (NMBP-14-2018)	分野 Nanotechnology 助成金 原則的に日本の機関・企業は対象外 締切 2018.1.23 (1st Stage) / 2018.6.28 (2nd Stage)	詳しくはこちら ▸
Risk Governance of nanotechnology (NMBP-13-2018)	分野 Nanotechnology 助成金 原則的に日本の機関・企業は対象外 締切 2018.1.23 (1st Stage) / 2018.6.28 (2nd Stage)	詳しくはこちら ▸

Information and Communication Technologies

5G and beyond (EUJ-02-2018)	分野 ICT 助成金 MIC、NICTとの共同公募 締切 2018.1.31	詳しくはこちら ▸
Advanced technologies (Security/Cloud/IoT/BigData) for a hyper-connected society in the context of Smart City (EUJ-01-2018)	分野 ICT 助成金 MIC、NICTとの共同公募 締切 2018.1.31	詳しくはこちら ▸

Climate action, environment, resource efficiency and raw materials

Towards operational forecasting of earthquakes and early warning capacity for more resilient societies (SC-5-17-2018)	分野 Climate 助成金 原則的に日本の機関・企業は対象外 締切 2018.2.27 (1st Stage) / 2018.9.4 (2nd Stage)	詳しくはこちら ▸

MSCA Research and Innovation Staff Exchange

Research and Innovation Staff Exchange (MSCA-RISE-2018)	分野 全ての分野 助成金 Partnership Agreementによる 締切 2018.3.21	詳しくはこちら ▸

年別の一覧

締切日順（個別）

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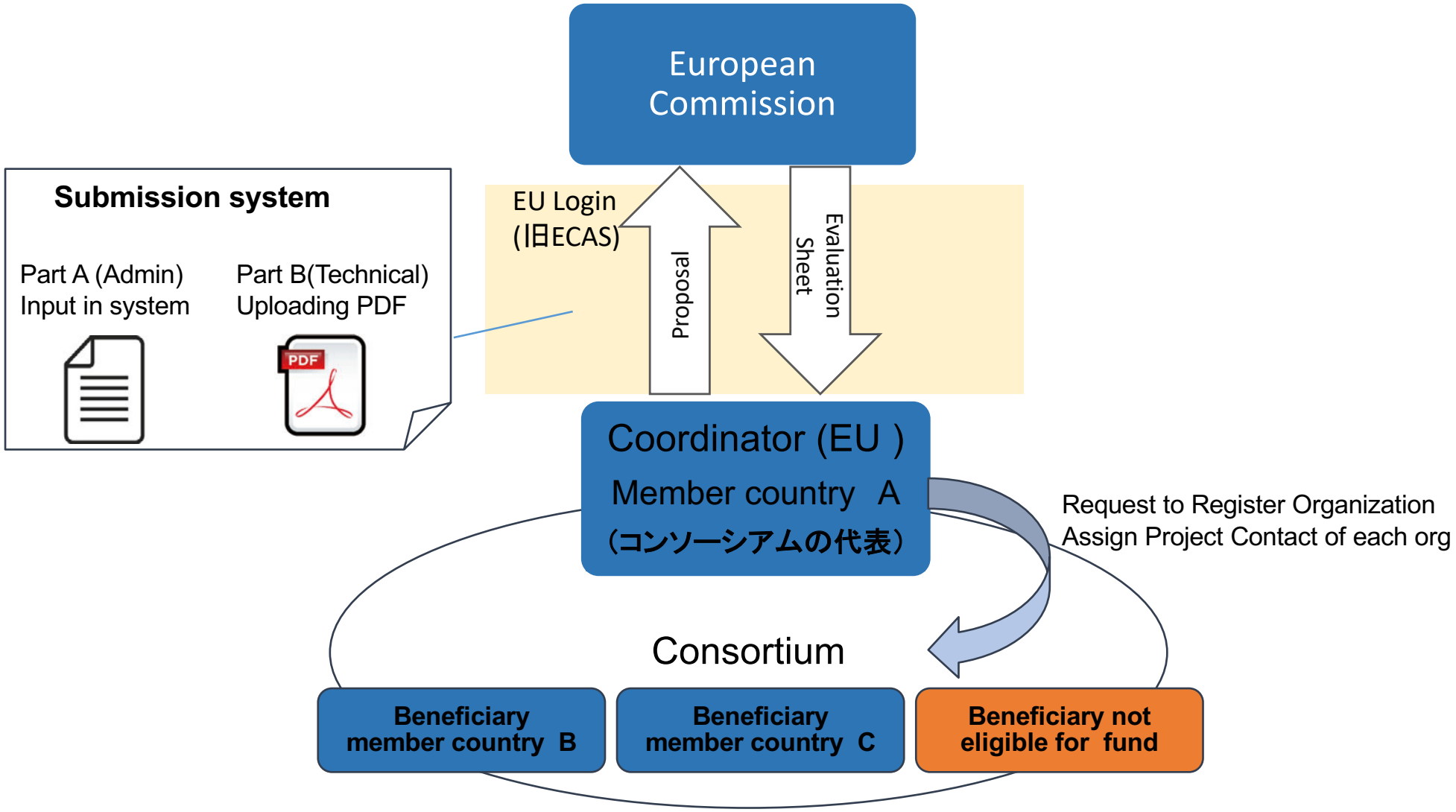
Submission of General Call



Marie Skłodowska-Curie Actions (MSCA)

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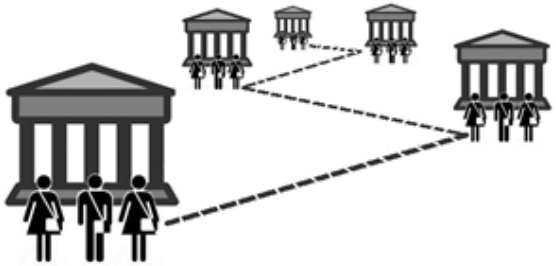
Support to researcher's Mobility

ITN : Develop early-stage researcher's skills

IF : Experienced researchers work by moving countries or sectors to acquire skills

RISE: Exchange of staff members to transfer knowledge



COFUND: Co-Funding regional / inter-national programme

Participation of Japan in MSCA

Horizon2020 （2014～2017. 6）	FP 7 （2007～2013）
ITN 13, IF 4, RISE 21	ITN 17, IF 9, RISE 49

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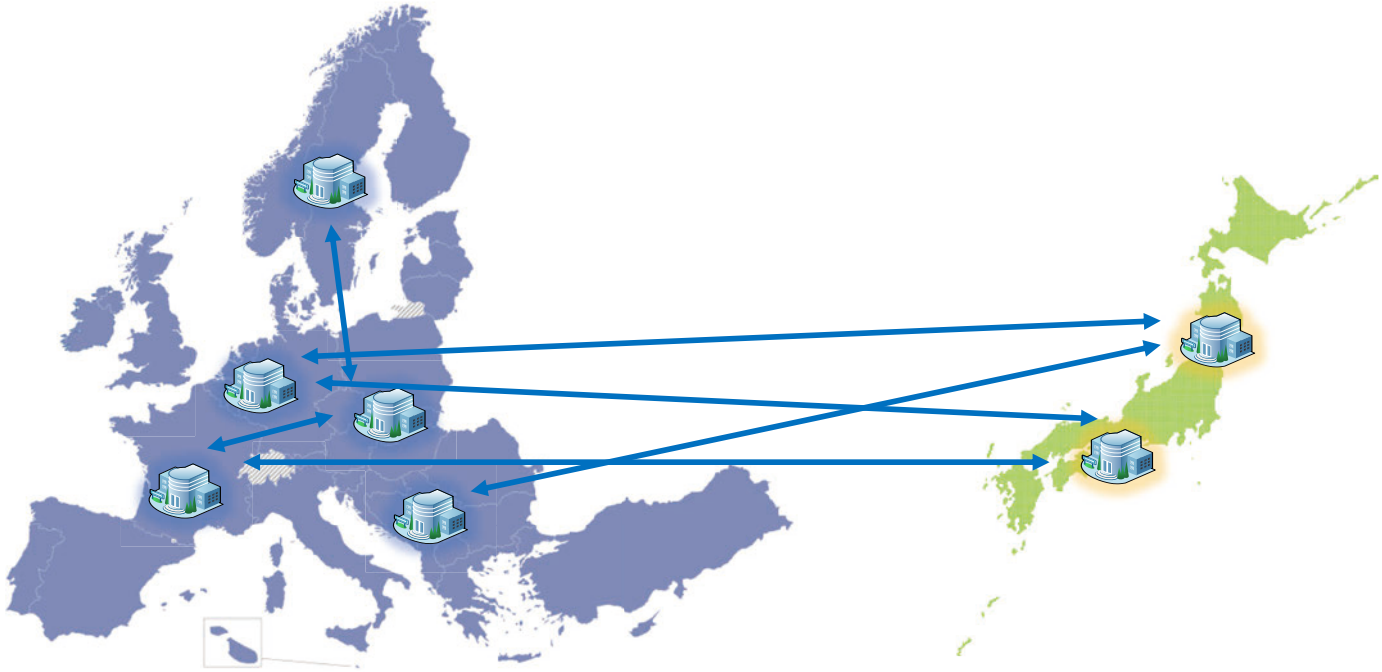
Research Innovation Staff Exchange （RISE）

Joint research and innovation activities implemented by the exchange of Individual staff for 1-12 months.



Academia & Non-academia, Different countries & sectors

Exchange of researcher, staff member & manager

Bottom Up

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RISE　Condition

- Minimum Eligibility Conditions :

  At least 3 independent participants in 3 different countries and

  - 2 participants from different MS/AC *+ 3rd country or

  - If all in MS/AC*, at least 1 academic and 1 non- academic

- Types of members are Early-stage researchers, Experienced researchers, Managerial / Administrative/Technical staff
- Actively engaged at least 1 month prior to first secondment
- Each researcher seconded　(1-12 months)
- Maximum 540 researcher-months
- Duration of projects:　Max 4 years
- Partnership Agreement : Strongly recommended

*MS/AC (Member State /Associated Country)

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RISE Eligibility for funding

- Secondments from Japan to EU
  - To a MS/AC from organizations located in Japan are not eligible for funding
  - Research, training and networking costs incurred during a secondment shall be covered by " institutional cost " of the European beneficiary

- Secondments from EU to Japan
  - Institutional costs correspond to 2,500 Euro per person/month subject to internal agreements concluded by Japanese partners and EU beneficiaries
  - Japanese partners are allowed to receive a part of the " Institutional costs" incurred during a secondment from a EU beneficiary to a Japanese partner
  - The amount shall be transferred to Japanese partner by the EU beneficiaries (not paid directly from EC)

⇒ Sign a " Partnership Agreement" is strongly recommended

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RISE　Eligible Costs

Unit costs for secondments eligible for funding

€ （Person/month）　Not applicable　Partially Applicable to Japanese Partner

Marie Skłodowska-Curie Action	**Staff member unit cost *** *person/month* Top-up allowance	**Institutional unit cost *** *person/month*	
		Research, training and networking costs	Management and indirect costs
Research and Innovation Staff Exchange	**（2.100）**	**1.800**	**700**

Travel Accommodation Subsistence cost	Purchasing consumables Laboratory cost Participation conference, workshops, activities coordination, and review meetings	Administrative and financial management, logistics, ethics, legal advice, documentation etc.

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MSCA Calendar 2018

ITN	IF	RISE
Call open: **13/SEP/2018**	Call opened: **12/APR/2018**	Call open: **04/DEC/2018**
Deadline: **15/JAN/2019** **17:00:00**	Deadline: **12/SEP/2018** **17:00:00**	Deadline: **02/APR/2019** **17:00:00**

- Timeline is almost similar calendar every year
- Evaluation outcome w/in 5mo. After call deadline
- Sign Grant Agreement w/in 8mo. After call deadline
- Start project w/in 1year After signed Agreement

Submission of MSCA (RISE)

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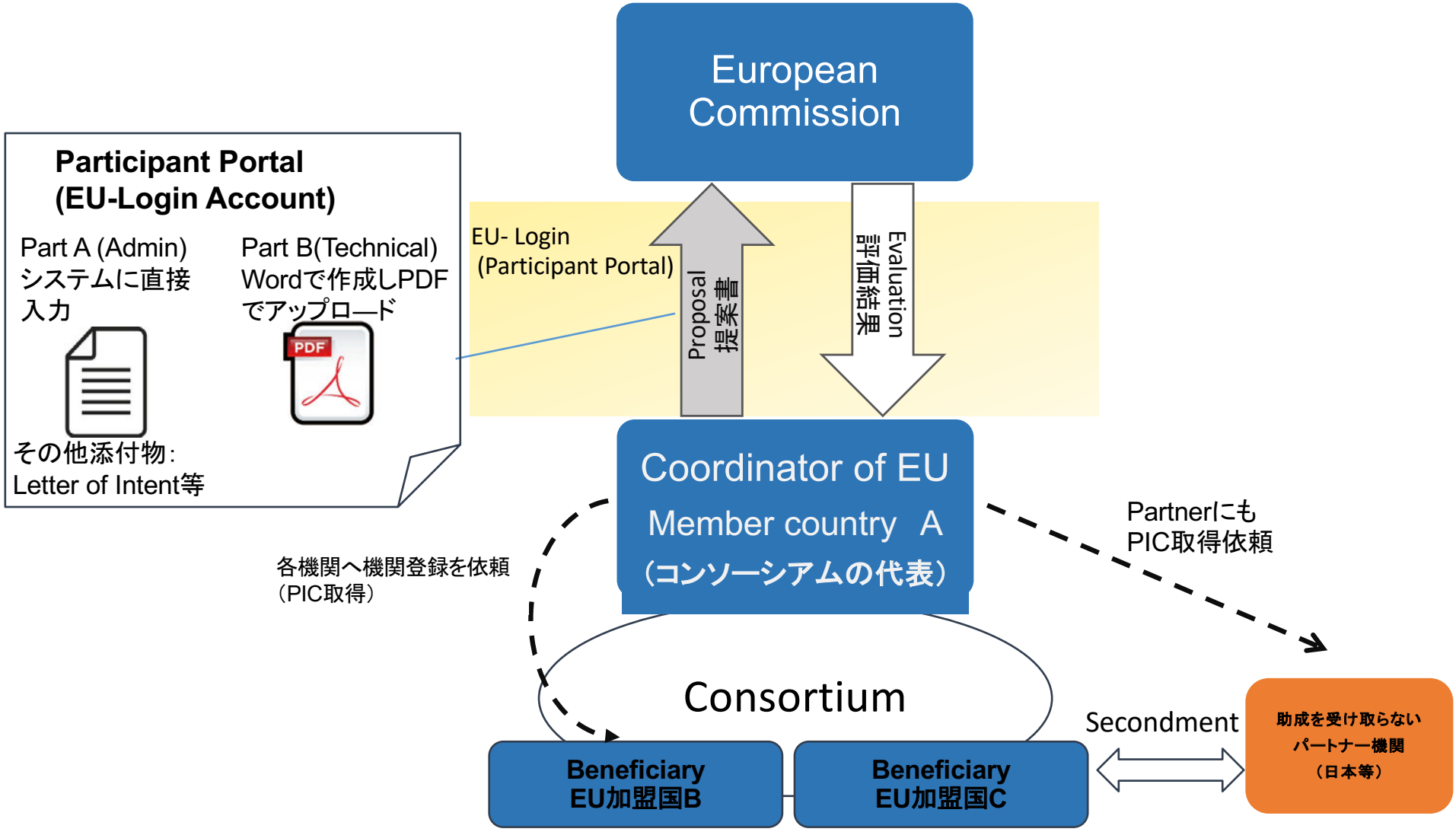
Japanese entity (3rd Country) shall participate as a partner



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Participation from Japan

Statistics (Collaboration Research)

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

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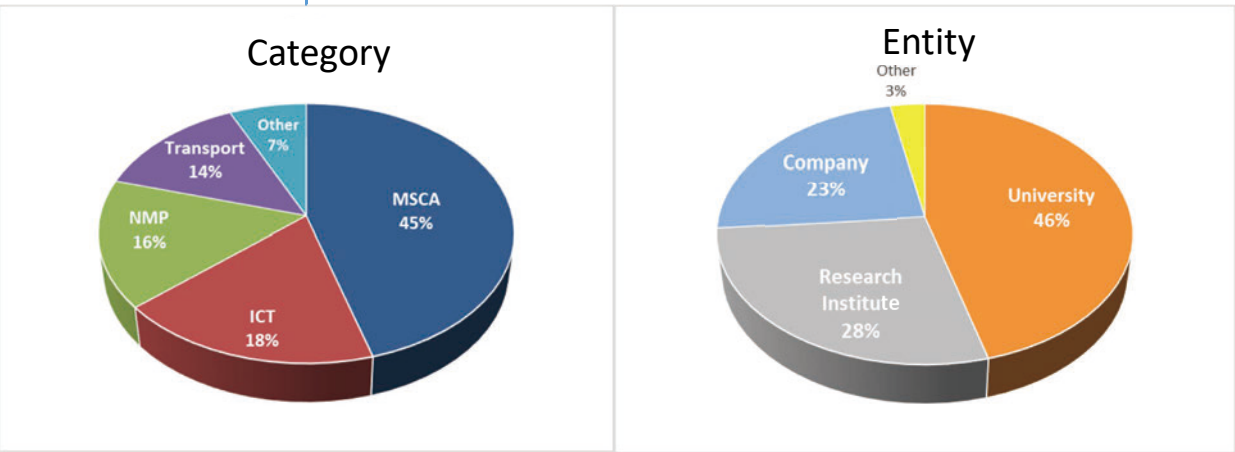
Participation from Japan (Excl. Individual research)

	FP 7	Horizon 2020	Total
No. of projects	159	87	246



<Remarks> Participation of Japanese subsidiaries in Europe

	FP 7	Horizon 2020	合計
No. of projects	241	95	336
No. of subsidiaries	75	50	125
Grants received	€ 91 Mil	€ 54 Mil	€145Mil

東北大学の参加実績

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参加プログラム	大学院・研究所	主な参加者	プロジェクト名	期間
MSCA-RISE-2014	理学研究科	佐貫　智行 准教授	E-JADE	2015.1. - 2018.12.
MSCA-RISE-2014	金属材料研究所	吉川　彰　　教授	INTELUM	2015.3. - 2019.2.
PHC-21-2015	加齢医学研究所	川島　隆太　教授	my-AHA	2016.1 - 2019.12.
NMP-23-2015	工学研究科	土浦　宏紀　准教授	NOVAMAG	2016.4. - 2019.9.
MSCA-RISE-2016	材料科学高等研究所	Rafael Ramos 助教	SPICOLOST	2017.3. - 2021.2.

FP-7

JSTとの共同公募 (NMP-2013)	金属材料研究所	高梨　弘毅　教授	HARFIR	2013.9. - 2017.3

東北アジア研究センター　佐藤源之氏、　材料科学高等研究所　小谷元子氏、　理学研究科　笠羽康正氏、
計　4プロジェクト

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Benefits for Japanese Participants

ACADEMIA

- International network to develop future career
- Global exposure of research via Influential scientific paper
- Increase opportunities of substantiative experiment

INDUSTRY

- Business opportunities
  - Local government
  - Other companies in the industry
- Increase opportunity for and presence of Japan in standardization process

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日本から参加するメリット

- 大学・研究機関
  - 様々な国々の様々な背景を持つ機関とのネットワークの形成
  - 論文力が高まり国際的認知度の向上、論文引用率の上昇
  - 実証実験の機会拡大

- 企業
  - 同業の企業、業界のバリューチェーン上にある企業、自治体などとのネットワーク拡大
  - 国際的な標準化やルール作りへの関与・参画

Form a consortium

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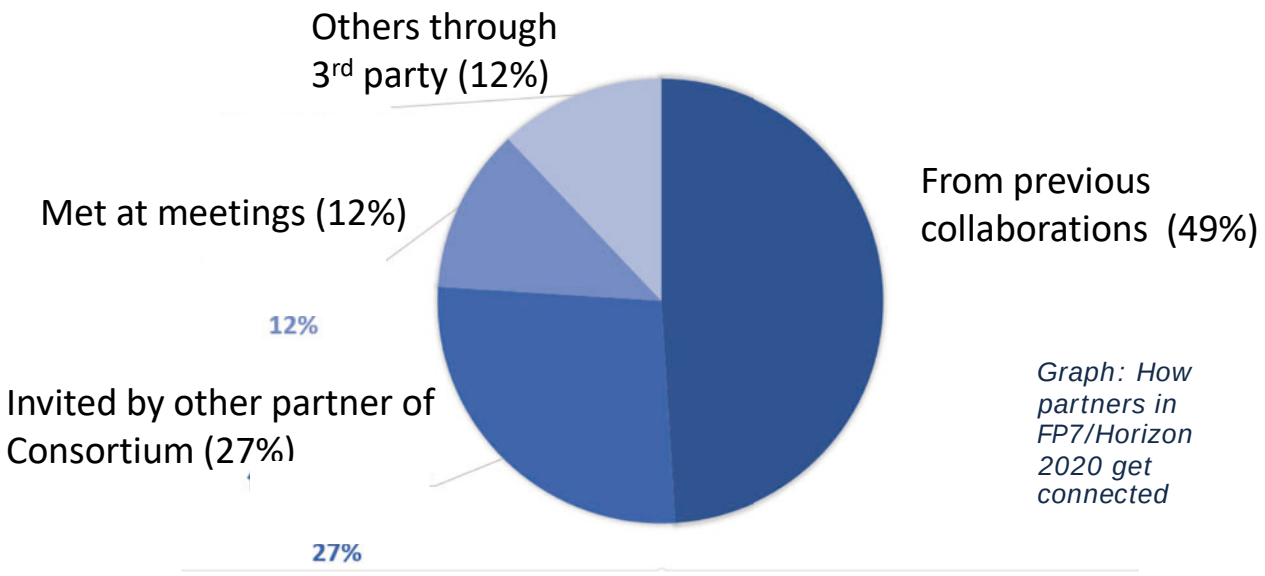
- How to form a consortium with European partners
  - Business partner / Global partner of your entity
  - Personal relationship through International conference
  - Introduced by common acquaintance
  - Introduced by NCP network

- Form a consortium with well experienced partner as thorough preparation work is required

- Prepare financial arrangements (JSPS or other resources)



Graph: How partners in FP7/Horizon 2020 get connected

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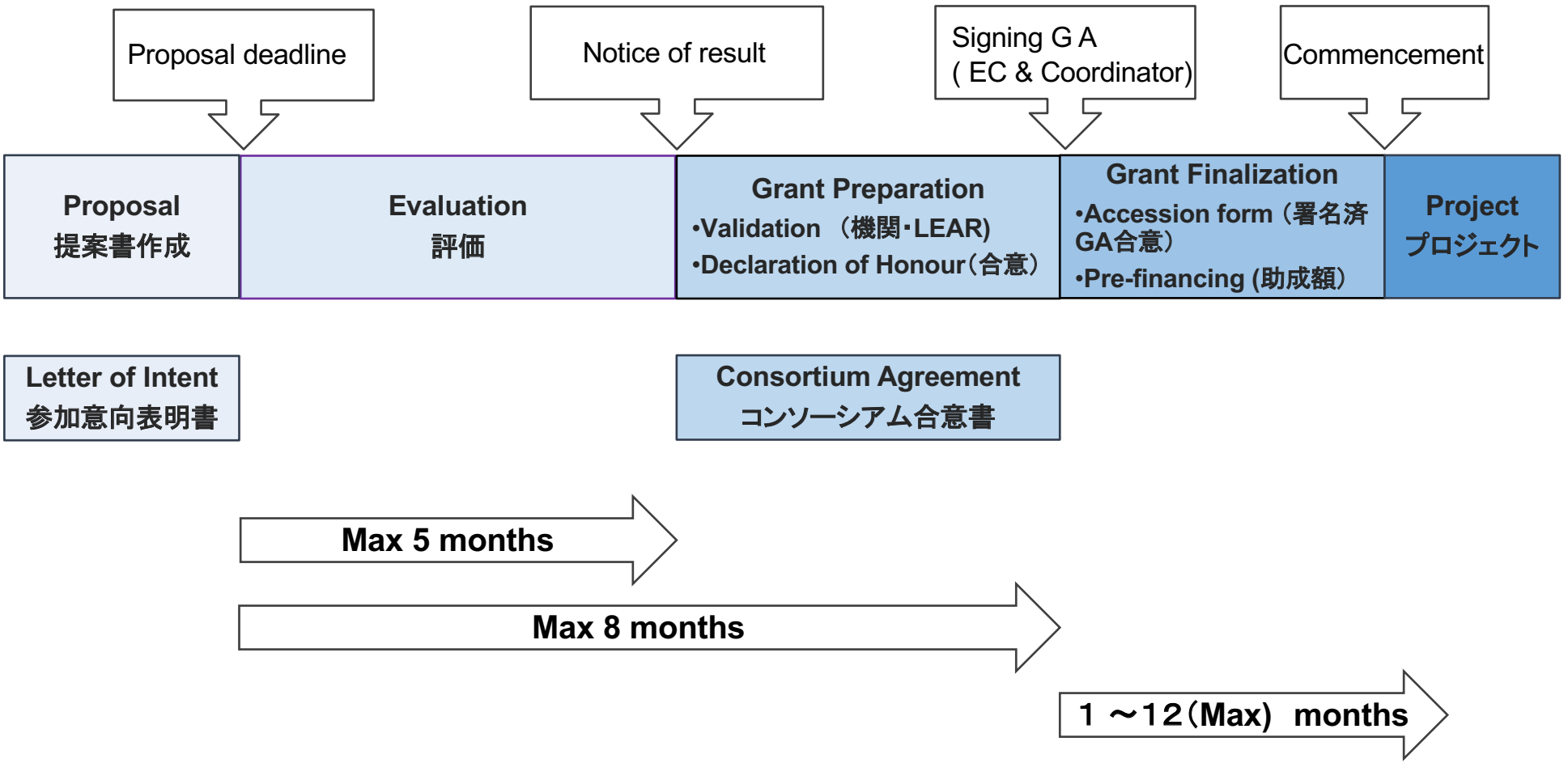
Timeline



Service of NCP Japan

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- **Website in Japanese**

  Easily accessible Call information, Participation procedure, and Application manual.

  Japanese translation of key documents (Agreement, Manual) are available.

- **Help desk for any type of inquiry**

  Actively supporting Japanese organizations by providing tailored and practical information and helping with administrative issues.

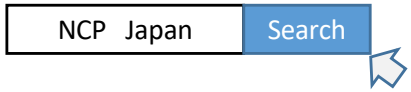
- **Information Seminar / Training course**

  Organizing Information seminars and Training courses for researchers, research administrators and managers to deal with EU projects.

- **Partner search support**

  Through thematic NCP networks and Enterprise Europe Network (EEN).

- **Inquiry**



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Thank you !

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