

The importance of international cooperation for your career and your research projects

EURAXESS Japan Tour 2018

3 September 2018, Tohoku University



Dr Matthieu Py

EURAXESS Japan Coordinator



Why go international with EU grants?

Japan specifics: Important means for R&D



¹ Public R&D expenditure: JPY 3,626.4 billion (EUR 26.5 billion) [source: [JST](#), [jMOF](#)]

² [Sources: MEXT [White paper on S&T 2006](#), Nikkan Kogyo Shimibun 25/07/2014]

³ [Source: [OECD](#) 2011]

Why go international with EU grants?

Japan specifics: Results? Not the best...

全分野		2000 — 2002年 (PY) (平均)			全分野		2010 — 2012年 (PY) (平均)		
		論文数					論文数		
国・地域名		整数カウント			国・地域名		整数カウント		
		論文数	シェア	順位			論文数	シェア	順位
米国		234,730	31.2	1	米国		214,727	26.6	1
日本		73,536	9.8	2	中国		55,310	13.5	2
ドイツ		66,432	8.8	3	ドイツ		89,033	7.5	3
英国		64,547	8.6	4	英国		84,872	7.2	4
フランス		47,970	6.4	5	日本		73,493	6.4	5
中国		34,405	4.6	6	フランス		63,551	5.4	6
イタリア		32,774	4.3	7	イタリア		52,685	4.5	7
カナダ		31,384	4.1	8	カナダ		52,143	4.4	8
ロシア		23,000	3.0	9	スペイン		45,585	3.9	9
スペイン		23,000	3.1	10	インド		45,384	3.8	10
オーストラリア		20,223	2.7	11	韓国		43,996	3.7	11
オランダ		18,388	2.4	12	オーストラリア		38,748	3.3	12
インド		17,940	2.4	13	ブラジル		33,700	2.8	13
韓国		15,554	2.1	14	オランダ		29,908	2.5	14
スウェーデン		15,019	2.0	15	ロシア		27,527	2.3	15

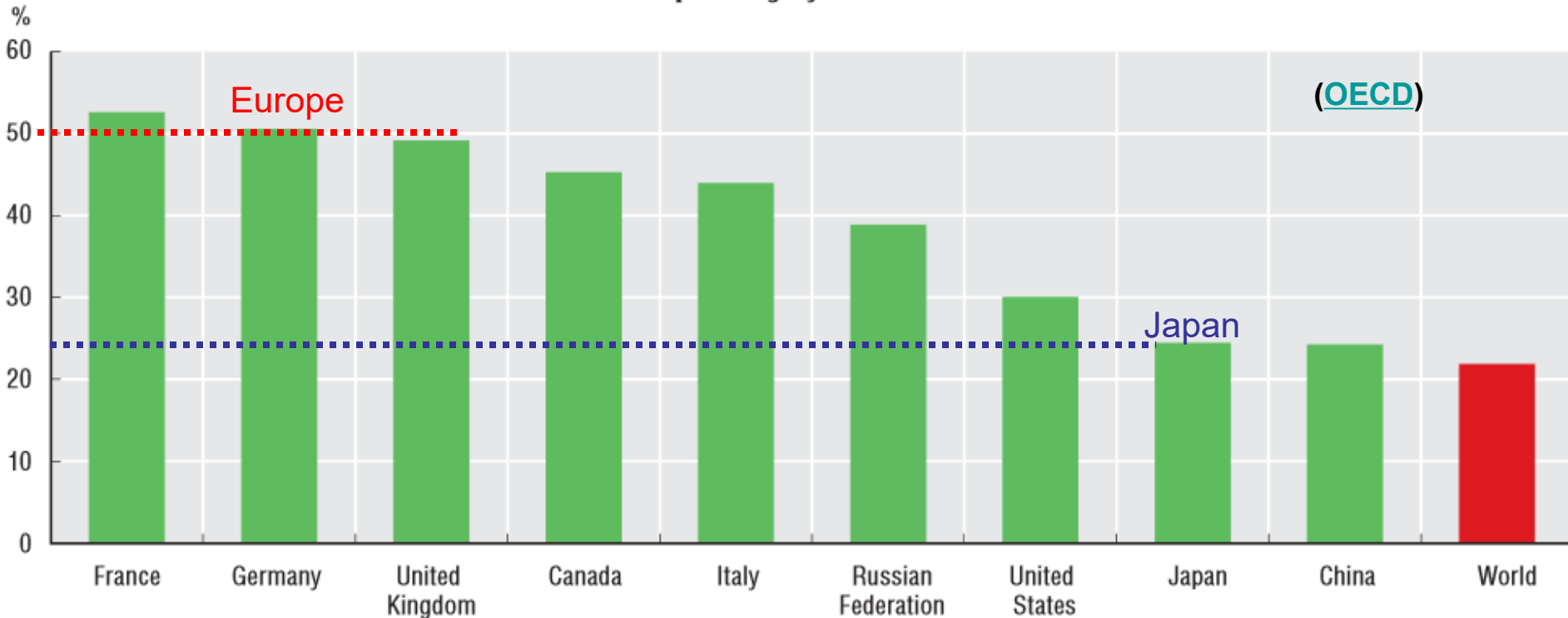
結果次第の競争社会では順位が低くなっている


Why go international with EU grants?

Japan lack of internationalisation: research cooperation

Share of internationally co-authored scientific articles, 2007

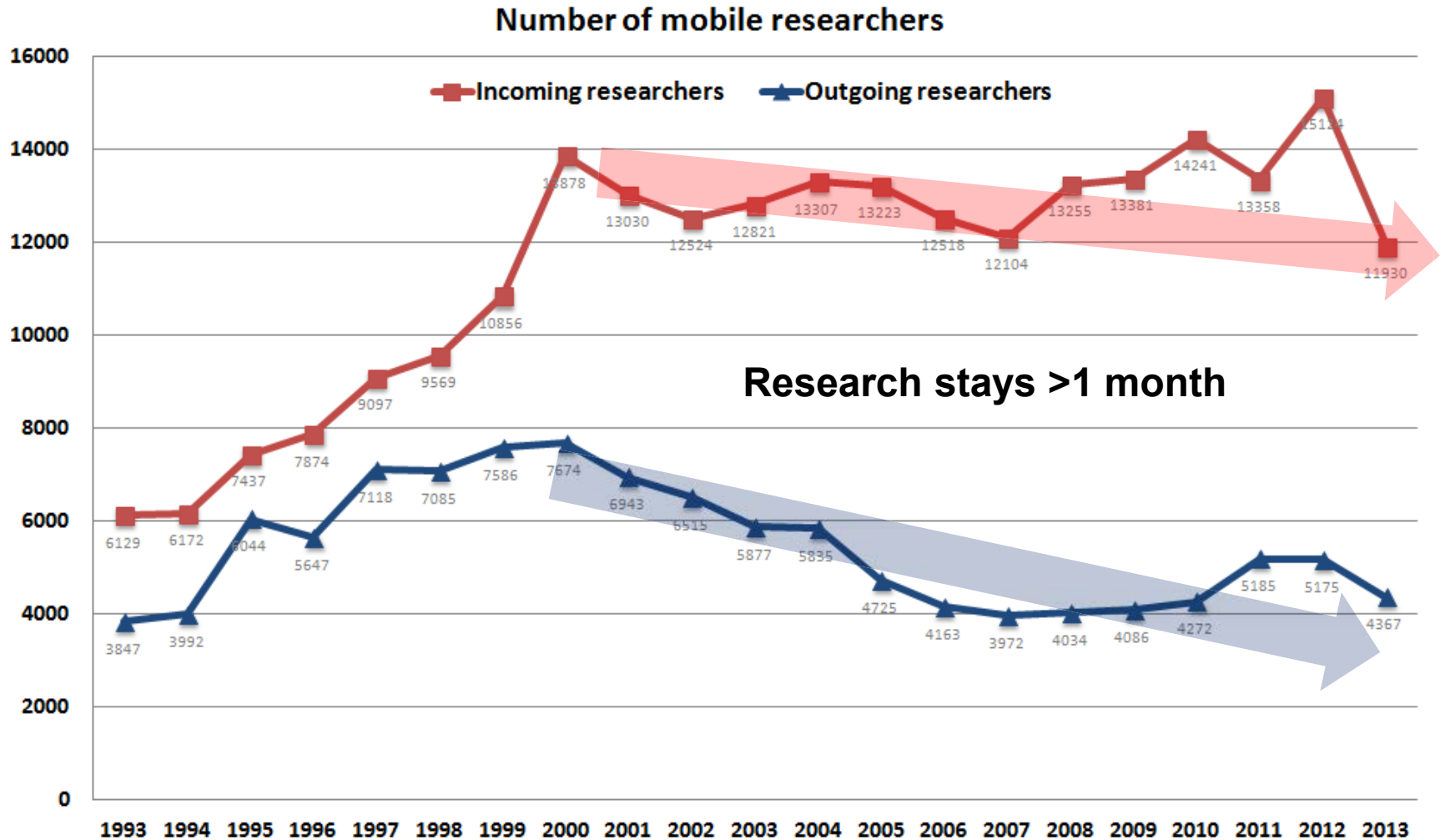
As a percentage of total articles



StatLink  <http://dx.doi.org/10.1787/745766770745>

Why go international with EU grants?

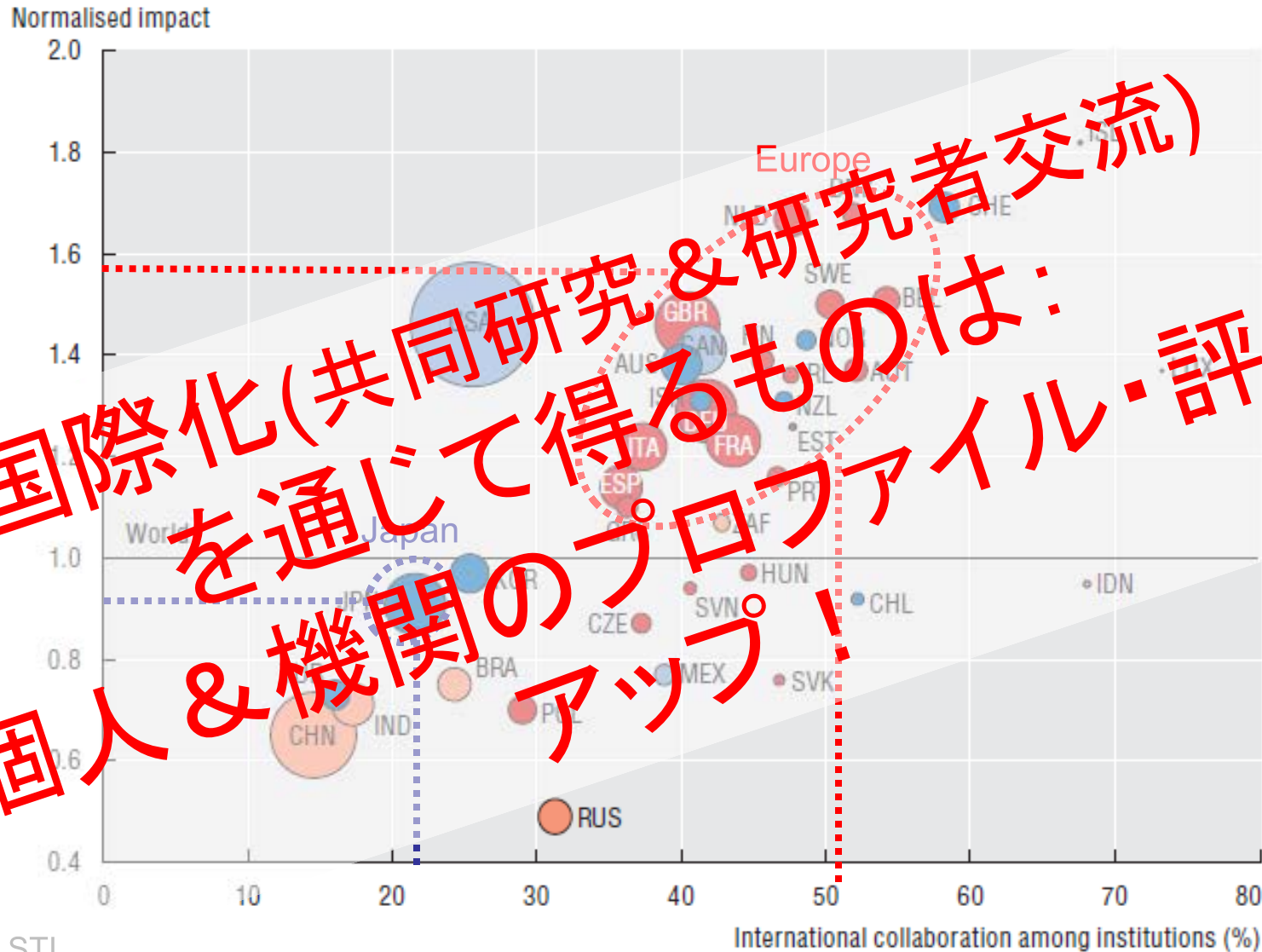
Japan lack of internationalisation: researcher mobility



MEXT: Statistics for researchers mobility, March 2015 (data ->2013)

Why go international with EU grants?

Internationalisation = better research in the EU



❖ PhD, Post-doctoral & mid-career mobility to Europe, research cooperation with Europe: WHY?

- **Excellence:**
Programmes (H2020, ERC, MSCA, National...)
Infrastructures
Human Resources (other researchers!)
- **Diversity and openness:**
European countries open labour market = internal mobility
Open competition, open calls, open recruitment... & Open science!
- **Are you aware of your options?**
- **Are available offers clear to you?**
→ Let's check (some of) them together!



Europe's programmes for young individual researchers and EURAXESS services in Japan

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❖ Funding programmes for Japan ↔ Europe mobility: several hundred!



❖ Funding programmes for Japan ↔ Europe several hundred!



❖ Funding programmes for Japan ↔ Europe mobility: several hundred!



European Research Council



❖ EU funding programmes for Japan ↔ Europe mobility : 3 examples

- **Marie Skłodowska-Curie Actions Individual Fellowships (MSCA ITN)**
→ PhDs in Europe
- **Marie Skłodowska-Curie Actions Individual Fellowships (MSCA IF)**
→ Postdocs (and beyond) in Europe
- **European Research Council (ERC) grants**
→ Create your own research team in Europe

MSCA Innovative Training Networks (ITN)



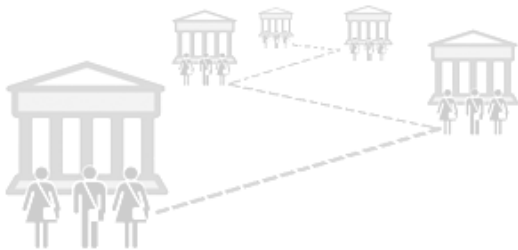
ITN

Innovative Training Networks



IF

Individual Fellowships



RISE

**Research and Innovation Staff
Exchange**



COFUND

Innovative Training Networks: PhD programme

- **Objective: to train a new generation of researchers**
- Minimum 3 institutions from different European countries + additional beneficiaries / partners
- Maximum 540 research months = 15 full PhDs per project
- Timespan of project – 4 years (PhD funding for 3 yrs)

Innovative Training Networks: for institutions

- **Consortium of organisations from 3+ different countries and sectors**
 1. Beneficiaries: recruit researcher(s) for up to 36 months
 2. Partner Organisations: host secondments/provide training
- **Recruit researchers across the consortium– each researcher has an Individual Research Project**
- **Advanced research skills and transferable skills training**
- **Networking events**

Beneficiary vs. Partner Organisation

Signs grant agreement	✓	✗
Recruits and hosts researchers *	✓	✗
Claims costs to the EU	✓	✗
Trains/hosts seconded researchers	✓	✓
Participates in supervisory board	✓	✓

* Flexible recruitment in EID and EJD:
an organisation may participate as a beneficiary without recruiting

Letters of commitment of partner org. Is mandatory – otherwise their contribution is disregarded by the evaluators

Innovative Training Networks: timeline & useful information (institutions)

Timeline:

September 2017: Open
January 2018: Close

Guide for Applicants



H2020 Programme

Marie Skłodowska-Curie Actions
Guide for Applicants

http://ec.europa.eu/research/participants/data/ref/h2020/other/guides_for_applicants/h2020-guide-appl16-msca-itn_en.pdf

Innovative Training Networks: for individuals

Apply @ jobs.euraxess.org

Search for jobs

Enter keywords

RESEARCH FIELD

RESEARCHER PROFILE

SECTOR

COUNTRY

EUROPEAN RESEARCH PROGRAMME

SEARCH

NEED HELP?

- ☐ First Stage Researcher (R1) (4023)
- ☐ Recognised Researcher (R2) (2857)
- ☐ Established Researcher (R3) (2370)
- ☐ Leading Researcher (R4) (2112)

NEED HELP?

Available Offers (5348)

18%

Who can be recruited?

Early-Stage Researchers (ESRs)

- ✓ ≤ 4 years of research experience
- ✓ no PhD yet

Recruitment: **3 to 36 months**

Recruitment: after the project starts

No restrictions based on nationality.

Respecting the mobility rule



Innovative Training Networks: financial dimension

Researcher costs	ESR living allowance	3.270 € / month + co-efficient
	ESR mobility allowance	600 € / month
	ESR family allowance	500 € / month
Institutional costs	Host research, training and network	1.800 / person / month
	Host management and overheads	1.200 / person / month

Individual Fellowships : MSCA Individual Fellowships



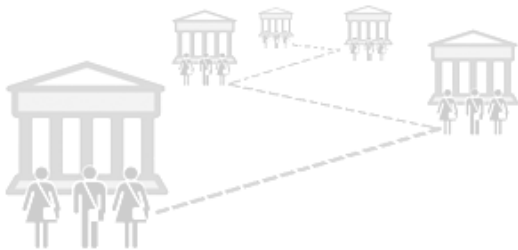
ITN

Innovative Training Networks



IF

Individual Fellowships



RISE

Research and Innovation Staff Exchange



COFUND

Individual Fellowships: In three points

- Individual transnational fellowships
- Focus on career development of postdoctoral fellows
- Training aspects of the proposed project are important

Individual Fellowships: Eligibility conditions 1

Experienced Researchers (ER):

PhD or at least 4 years of research experience at the relevant deadline for submission of proposals

Individual Fellowships: Eligibility conditions 2

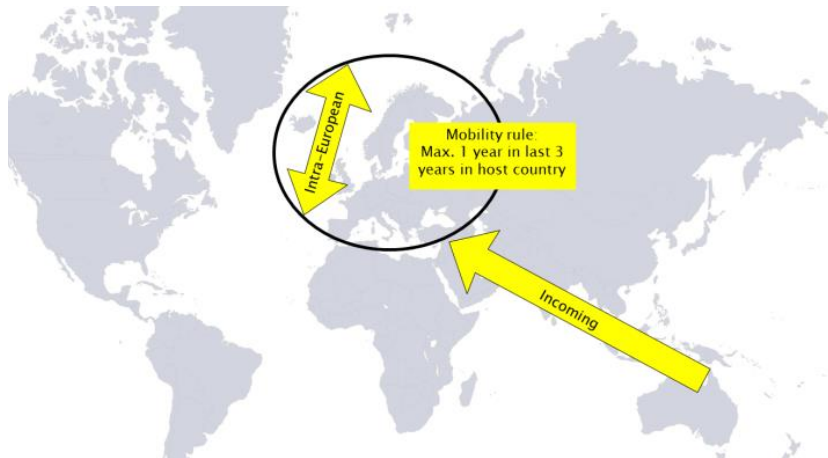
‘The researchers shall not have resided or carried out their main activity in the country of their future host organisation for more than 12 month in the 3 years prior to the reference date (relevant deadline for submission of proposals)’

Career Restart Panel, Reintegration Panel, Society & Enterprise Panel: Modified Mobility Rule
(36 months/5 years)

Global Fellowship: Mobility Rule applies only to outgoing phase

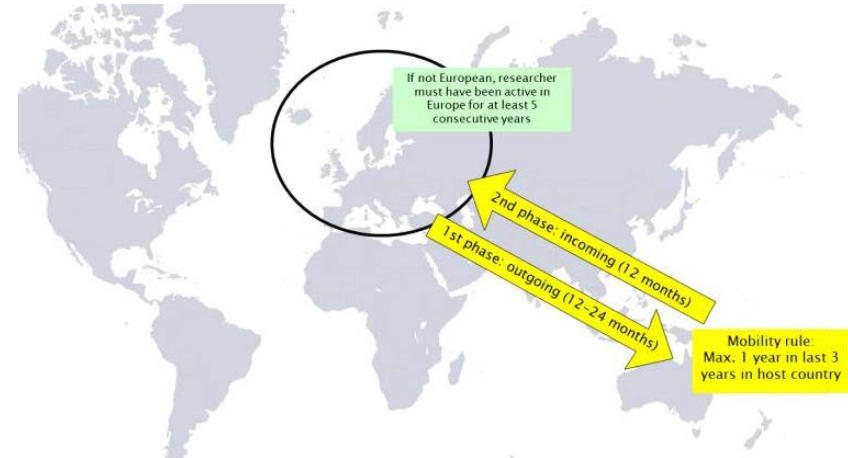
Individual Fellowships: Outgoing & Incoming

European fellowships:



For fellows coming to
or moving within Europe
(12–24 months)

Global fellowships:



For fellows from Europe
going to Third countries
(12–24 months) and
returning (12 months)

Individual Fellowships: European Fellowships

- For Experienced Researchers (ERs) of any nationality coming to or moving within Europe
- Mobility rule applies
- 12-24 months
- Call opens in April
- Budget 2016: € 189.5 million
(of which € 10 million earmarked for SE panel)
- Deadline: 14 September 2017
- (4 grantees only from Japan 2014-2016!)



Individual Fellowships: European Fellowships

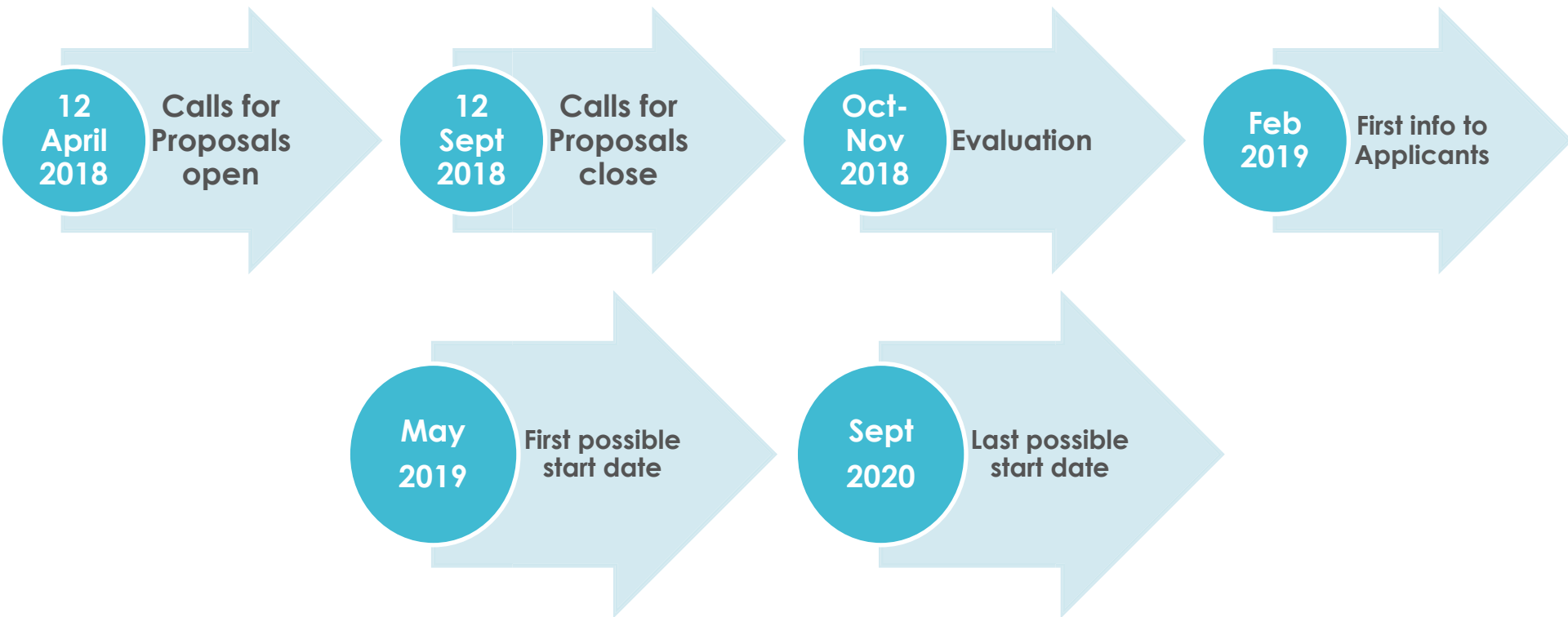
EF – How does it work?

- ER applies jointly with a host institution for funding of a research project
- Host institution located in a European Member State (MS) or Associated Country (AC)
- Host Institution recruits the Experienced Researcher (ER) and appoints the supervisor

Individual Fellowships: Covered costs

	Researcher unit cost (person/month)			Institutional unit cost (person/month) (to EU MS/AC inst.)	
Category	Living allowance (country correction coefficient)	Mobility allowance	Family allowance	Research, training and networking costs	Management and indirect costs
EUR (max)	4 880	600	500	800	650

Individual Fellowships: Timeline (2018 call)



Individual Fellowships: Evaluation panels

8 Scientific (+3 multidisciplinary) Panels:

- Proposals are evaluated in 8 (+3) panels (+ Career Restart Panel, Reintegration Panel, Society & Enterprise Panel, only for European Fellowships)
- Separate ranking list for each panel

CHE

SOC

ECO

ENG

ENV

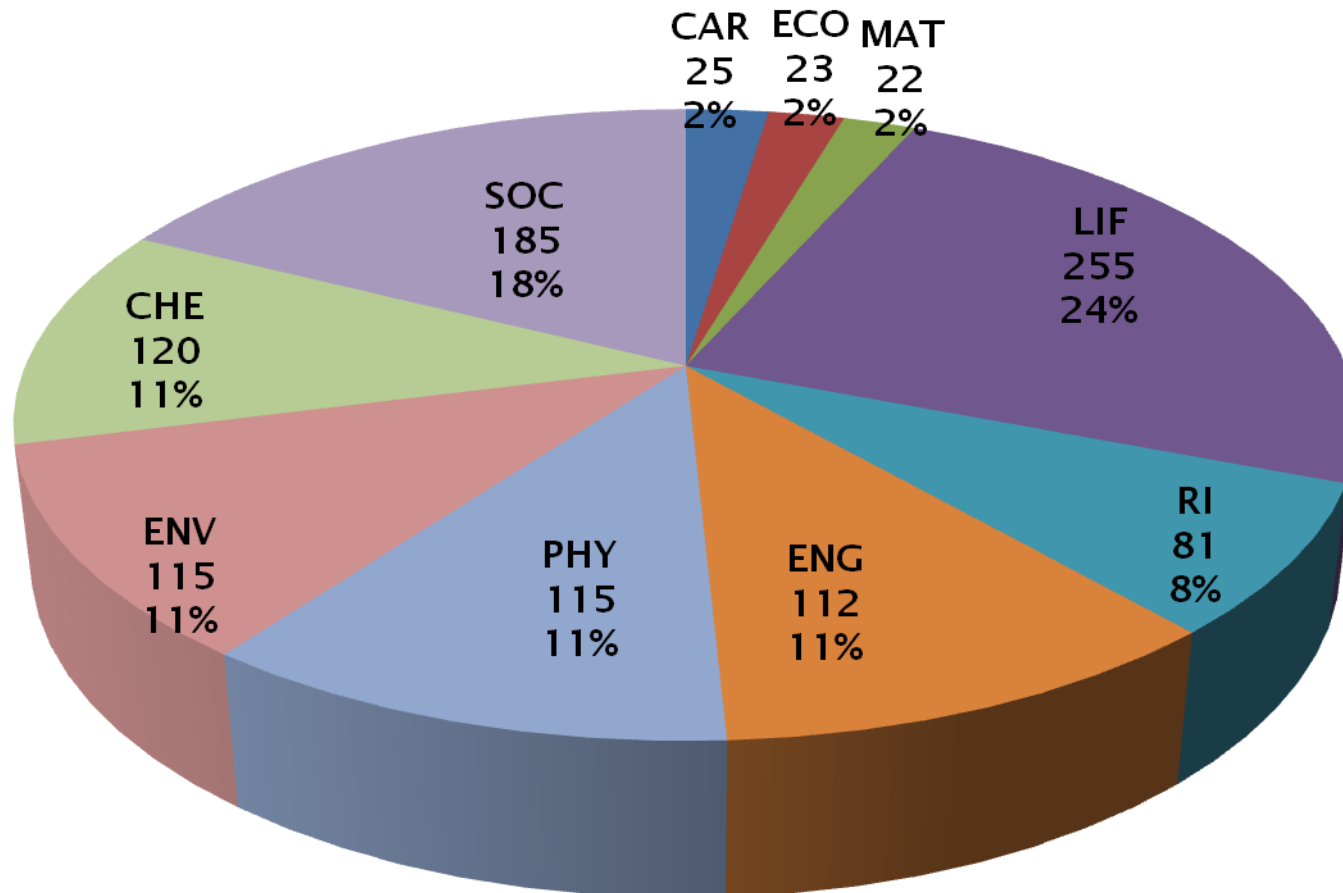
LIF

MAT

PHY

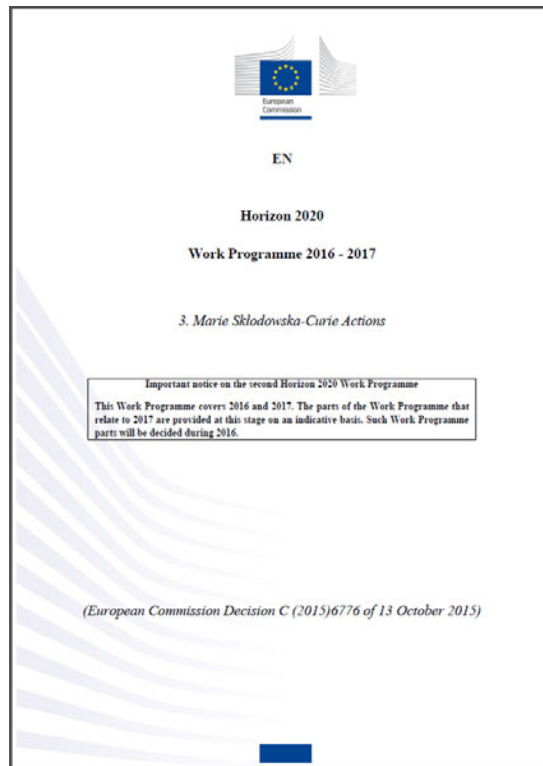
Individual Fellowships: Success rate!

(IF 2016) ~1300 grants distributed, average success rate 14%



Individual Fellowships: Important documents

MSCA Work Programme



http://ec.europa.eu/research/participants/data/ref/h2020/wp/2016_2017/main/h2020-wp1617-msca_en.pdf

Guide for Applicants



http://ec.europa.eu/research/participants/data/ref/h2020/other/guides_for_applicants/h2020-guide-appl-msca-if_en.pdf

Individual Fellowships: Build your proposal

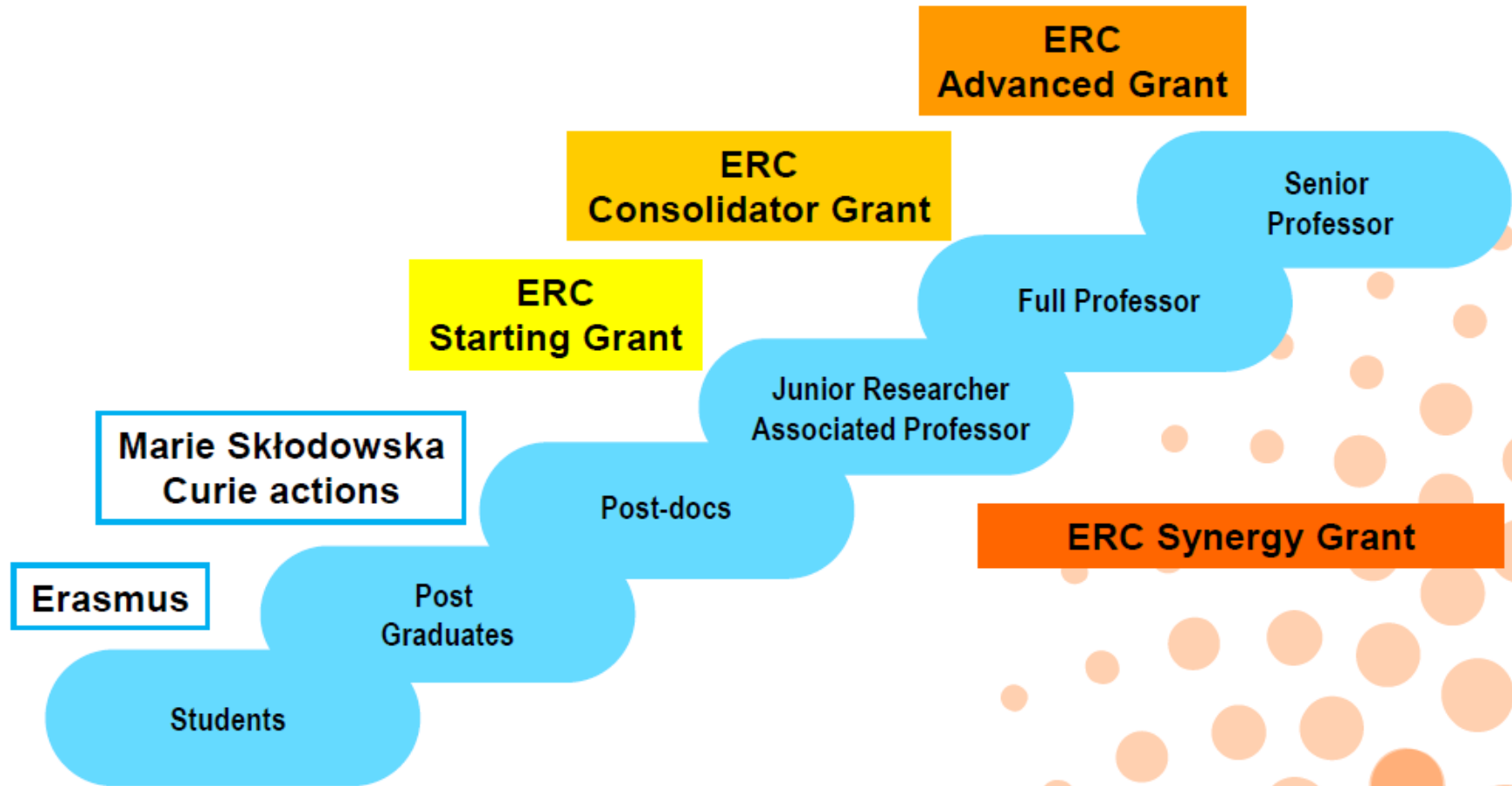
What is needed

- Synergy with host in Europe (+in third country if GF)
- Original & well conceived/matured research project
- Awareness of conditions for success
- Time + preparation

European Research Council



ERC grants



ERC grants

	Starting Grants	Consolidator Grants	Advanced Grants	Synergy Grants
Eligibility	2-7 years post-PhD	7-12 years post-PhD	Significant track record in past 10 years	2-4 PIs, similar cond. Advanced
Funding	≤1.5 M€ (2 from Japan)	≤2.0 M€ (2.75 from Japan)	≤2.5 M€ (3.5 from Japan)	≤10 M€ (14 from Japan)
Duration	5 years	5 years	5 years	6 years
# grants	~400	~300	~200	~30
Success rate	~11%	~14%	~14%	? (few %) ?
Time in Europe	≥50%	≥50%	≥50%	≥50%
Work ratio	≥50%	≥40%	≥30%	≥30%
Deadline	17 Oct 2018	7 Feb 2019	29 Aug 2019	8 Nov 2018

ERC grants

ERC offers independence, recognition & visibility

- fund research on **any topic: completely "bottom-up"**
- **financial autonomy** for 5 years
- ability to negotiate with the host institution the **best conditions** of work
- to attract **top team members and collaborators**
- **portability**

ERC: proposals

PART A – online forms

- A1** Proposal and PI info
- A2** Host Institution info
- A3** Budget

Annexes – pdf upload

- HI support letter (template!)
- copy of PhD (StG, CoG);
- document for extension of eligibility window (StG, CoG)

PART B – Word template; pdf upload

B1

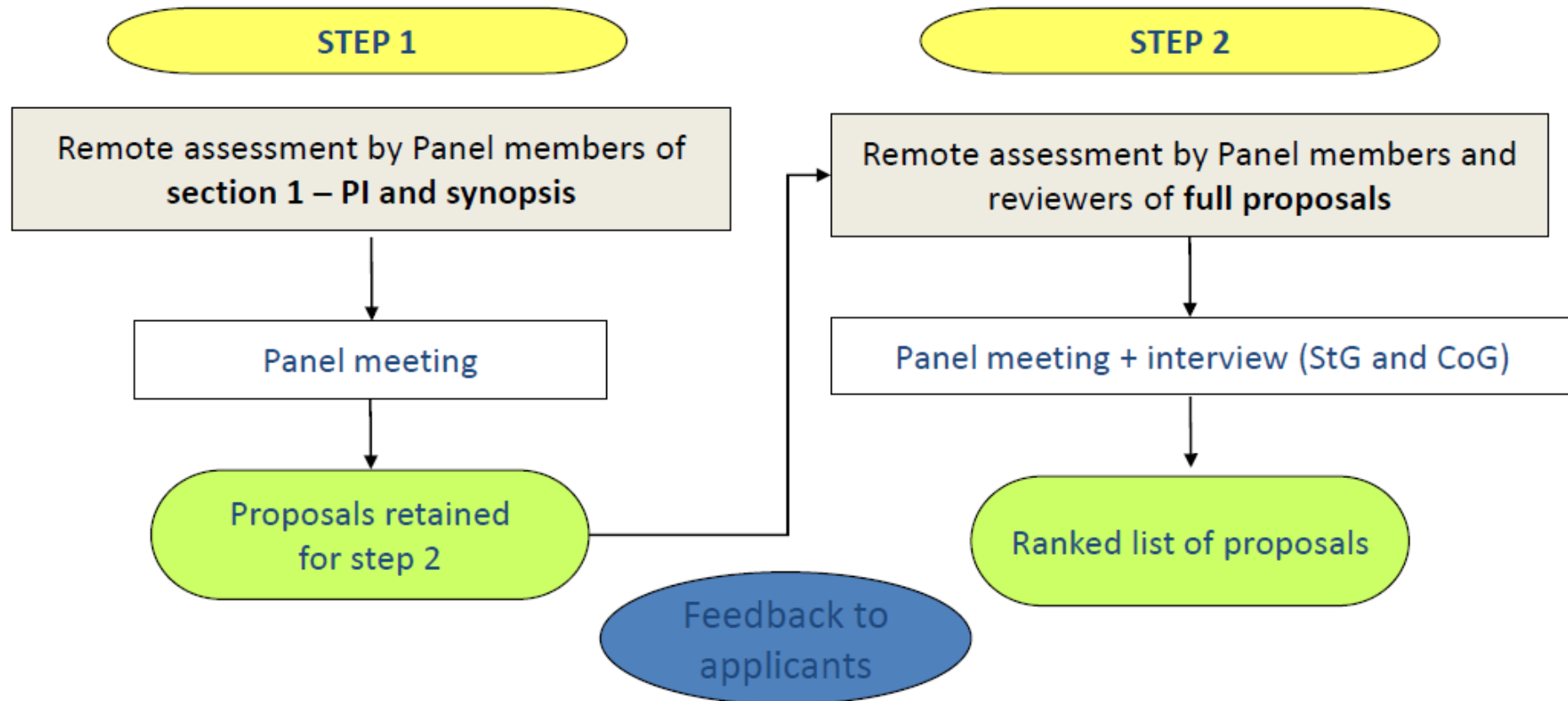
- Extended Synopsis 5 p.
- CV 2 p.
- Early Achievements (StG 2P
and CoG) or 10-year Track
Record (AdG)

B2

- Scientific Proposal 15p
 - Methodology
 - Planning and Budget
 - ...

Excellence of the proposal = sole criterion

ERC: evaluation



3 domains: Life Sciences, Social Sciences & Humanities,
Physical Sciences & Engineering
25 panels, 10-16 panel members + chair

Intl cooperation and mobility: Key points to succeed

- (all) Begin early with the preparations: prepare your own project, check deadlines, look for hosting...
- Be proactive, contact people in and out of your network
- (IF & ERC only) Prepare the proposal thoroughly & get feedback from multiple sources
- Get support: National Contact Points of your future host country and your host institution will help you

You can do it!

WHAT IS EURAXESS?



Joint initiative of 40 European countries funded by the European Commission

- Objective: Support int. research cooperation & mobility
 - All disciplines, all profiles, all nationalities
 - 100% free services



European
Research Area

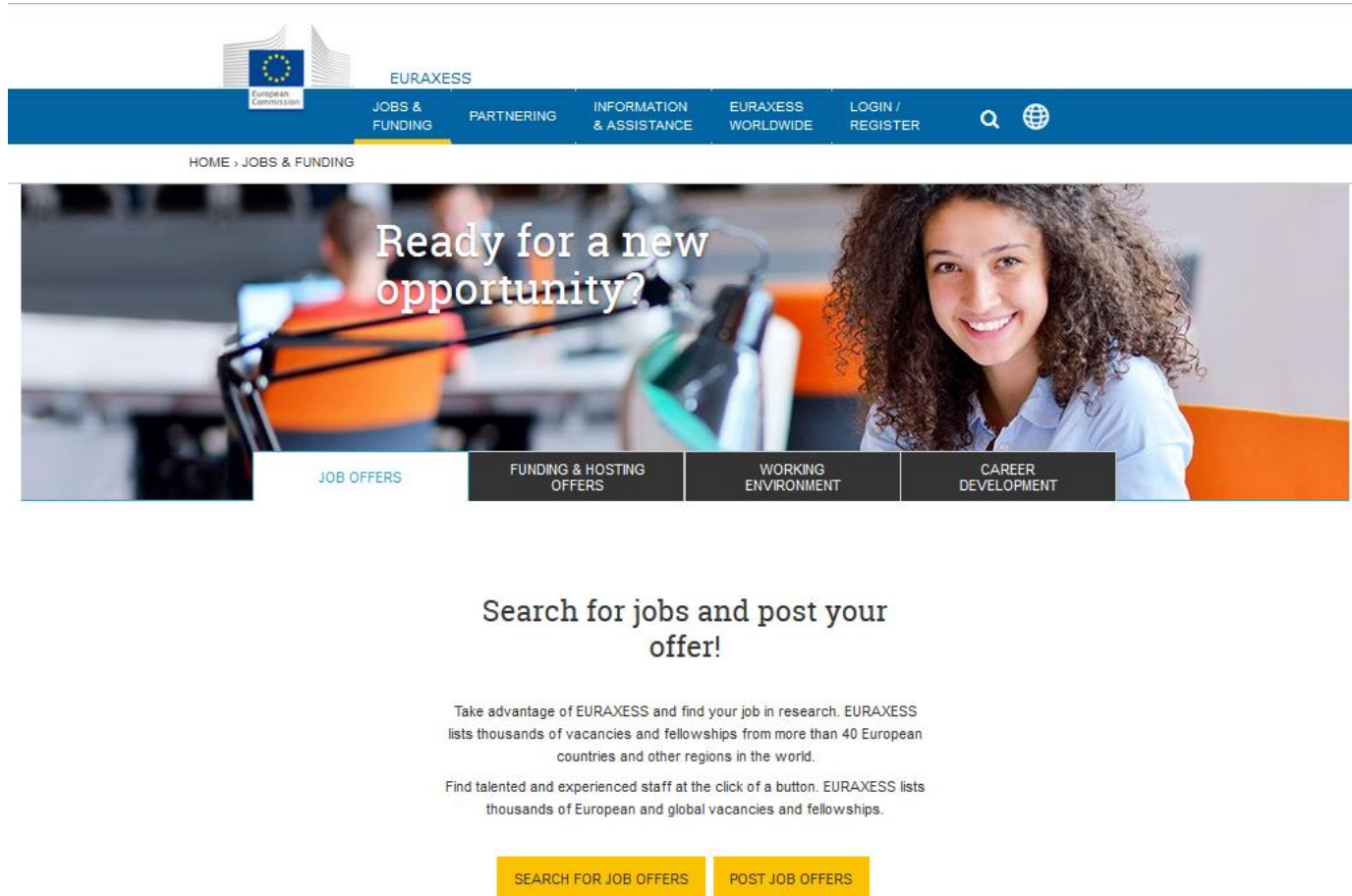
Albania, Bosnia & Herzegovina,
Faroe Islands, FYROM, Island,
Israel, Moldova, Montenegro,
Norway, Serbia, Switzerland,
Turkey

Wealth of services under one online portal: **EURAXESS.ORG**



I: JOBS & FUNDING

JOBS DATABASE: JOBS.EURAXESS.ORG



The screenshot shows the EURAXESS website interface. At the top, there is a blue header with the European Commission logo and the EURAXESS logo. Below this, a navigation bar contains links for JOBS & FUNDING, PARTNERING, INFORMATION & ASSISTANCE, EURAXESS WORLDWIDE, and LOGIN / REGISTER. A search icon and a globe icon are also present. Below the navigation bar, a breadcrumb trail reads HOME > JOBS & FUNDING. The main content area features a large banner image of a smiling woman in a lab setting. Overlaid on the banner is the text "Ready for a new opportunity?". Below the banner, there are four buttons: JOB OFFERS, FUNDING & HOSTING OFFERS, WORKING ENVIRONMENT, and CAREER DEVELOPMENT. Below these buttons, the text "Search for jobs and post your offer!" is displayed. Further down, two paragraphs describe the benefits of using EURAXESS. At the bottom, there are two yellow buttons: SEARCH FOR JOB OFFERS and POST JOB OFFERS.

European Commission

EURAXESS

JOBS & FUNDING

PARTNERING

INFORMATION & ASSISTANCE

EURAXESS WORLDWIDE

LOGIN / REGISTER

HOME > JOBS & FUNDING

Ready for a new opportunity?

JOB OFFERS

FUNDING & HOSTING OFFERS

WORKING ENVIRONMENT

CAREER DEVELOPMENT

Search for jobs and post your offer!

Take advantage of EURAXESS and find your job in research. EURAXESS lists thousands of vacancies and fellowships from more than 40 European countries and other regions in the world.

Find talented and experienced staff at the click of a button. EURAXESS lists thousands of European and global vacancies and fellowships.

SEARCH FOR JOB OFFERS

POST JOB OFFERS

How can you benefit? For individuals:

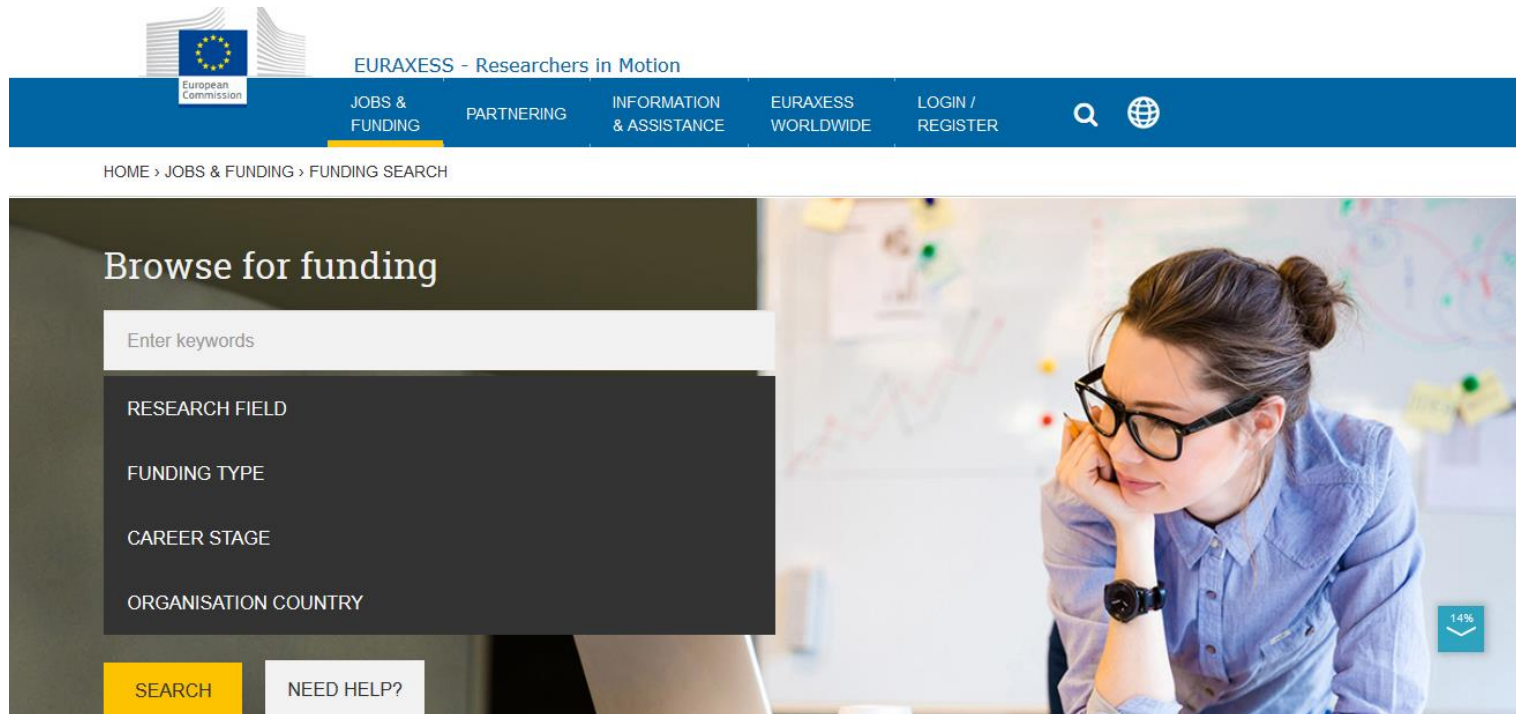
- Find research career opportunities
 - >10,000 research jobs/fellowship offers;
 - >10,000 participating research organisations

How can you benefit? For institutions:

- Recruit research talent & advertise your offers
 - >20,000 active researcher CVs;
 - All research fields, all career levels covered

I: JOBS & FUNDING

FUNDING DATABASE: JOBS.EURAXESS.ORG



The screenshot displays the EURAXESS website's funding search interface. At the top, the European Commission logo is on the left, and the text "EURAXESS - Researchers in Motion" is centered. Below this is a dark blue navigation bar with the following links: "JOBS & FUNDING" (highlighted with a yellow underline), "PARTNERING", "INFORMATION & ASSISTANCE", "EURAXESS WORLDWIDE", and "LOGIN / REGISTER". To the right of these links are search and globe icons. Below the navigation bar, a breadcrumb trail reads "HOME > JOBS & FUNDING > FUNDING SEARCH". The main content area features a large image of a woman with glasses resting her chin on her hand, with a whiteboard in the background. Overlaid on the left side of this image is a dark grey search panel titled "Browse for funding". This panel contains a text input field labeled "Enter keywords" and five filter categories: "RESEARCH FIELD", "FUNDING TYPE", "CAREER STAGE", and "ORGANISATION COUNTRY". At the bottom of the search panel are two buttons: a yellow "SEARCH" button and a white "NEED HELP?" button. In the bottom right corner of the main image, there is a small teal box with the text "14%" and a downward arrow.

European Commission

EURAXESS - Researchers in Motion

JOBS & FUNDING

PARTNERING

INFORMATION & ASSISTANCE

EURAXESS WORLDWIDE

LOGIN / REGISTER

HOME > JOBS & FUNDING > FUNDING SEARCH

Browse for funding

Enter keywords

RESEARCH FIELD

FUNDING TYPE

CAREER STAGE

ORGANISATION COUNTRY

SEARCH

NEED HELP?

14%

How can you benefit? For individuals:

- Find funding for research cooperation or mobility projects

Online database of funding programmes for international research cooperation & mobility;
Interactive search;
All research fields covered

How can you benefit? For institutions:

- Advertise your offers through the portal

II: INFORMATION & ASSISTANCE



INFORMATION & ASSISTANCE: SERVICES.EURAXESS.ORG

European Commission

EURAXESS

JOBS & FUNDING PARTNERING INFORMATION & ASSISTANCE EURAXESS WORLDWIDE LOGIN / REGISTER

HOME > INFORMATION & ASSISTANCE

Looking for support when relocating?

LIVING IN EUROPE WORKING IN EUROPE LEAVING EUROPE

Facing challenges settling in?

Find out about all the free services EURAXESS provides to researchers and employers. You can save time and money by using more than 260 EURAXESS Centres around Europe to help you with a range of issues including visa requirements, work regulations, taxation and social security.

SEARCH FOR INFORMATION

FIND PERSONALISED ASSISTANCE

How you can benefit

- **Find information on 17 different topics** ranging from accommodation to banking and social security, to language courses, local funding opportunities etc.
- **Connect to over 550 EURAXESS Service Centres in 40 European countries** offering personalised, free of charge assistance, to mobile researchers

III: WORKING & PARTNERING



PARTNERING TOOL

The screenshot shows the top of the Euraxess website. At the top left is the European Commission logo. To its right is the Euraxess logo. Below these is a blue navigation bar with the following links: JOBS & FUNDING, PARTNERING (highlighted with a yellow underline), INFORMATION & ASSISTANCE, EURAXESS WORLDWIDE, and LOGIN / REGISTER. To the right of the navigation bar are search and globe icons. Below the navigation bar is a breadcrumb trail: HOME › PARTNERING. The main hero section features a large image of two men shaking hands in front of a large window. Overlaid on this image is the text 'Searching for collaboration?'. Below the image are two buttons: 'RESEARCHERS & ENTREPRENEURS' and 'RESEARCH ORGANISATIONS, UNIVERSITIES & BUSINESS'.

European Commission

EURAXESS

JOBS & FUNDING

PARTNERING

INFORMATION & ASSISTANCE

EURAXESS WORLDWIDE

LOGIN / REGISTER

HOME › PARTNERING

Searching for collaboration?

RESEARCHERS & ENTREPRENEURS

RESEARCH ORGANISATIONS, UNIVERSITIES & BUSINESS

Redefine success, together!

Have you already got funding and looking for a host organisation? Or maybe you need a bright mind to launch your start-up? EURAXESS matches talented supply and demand. Get started!

SEARCH FOR RESEARCHERS

SEARCH FOR COLLABORATION

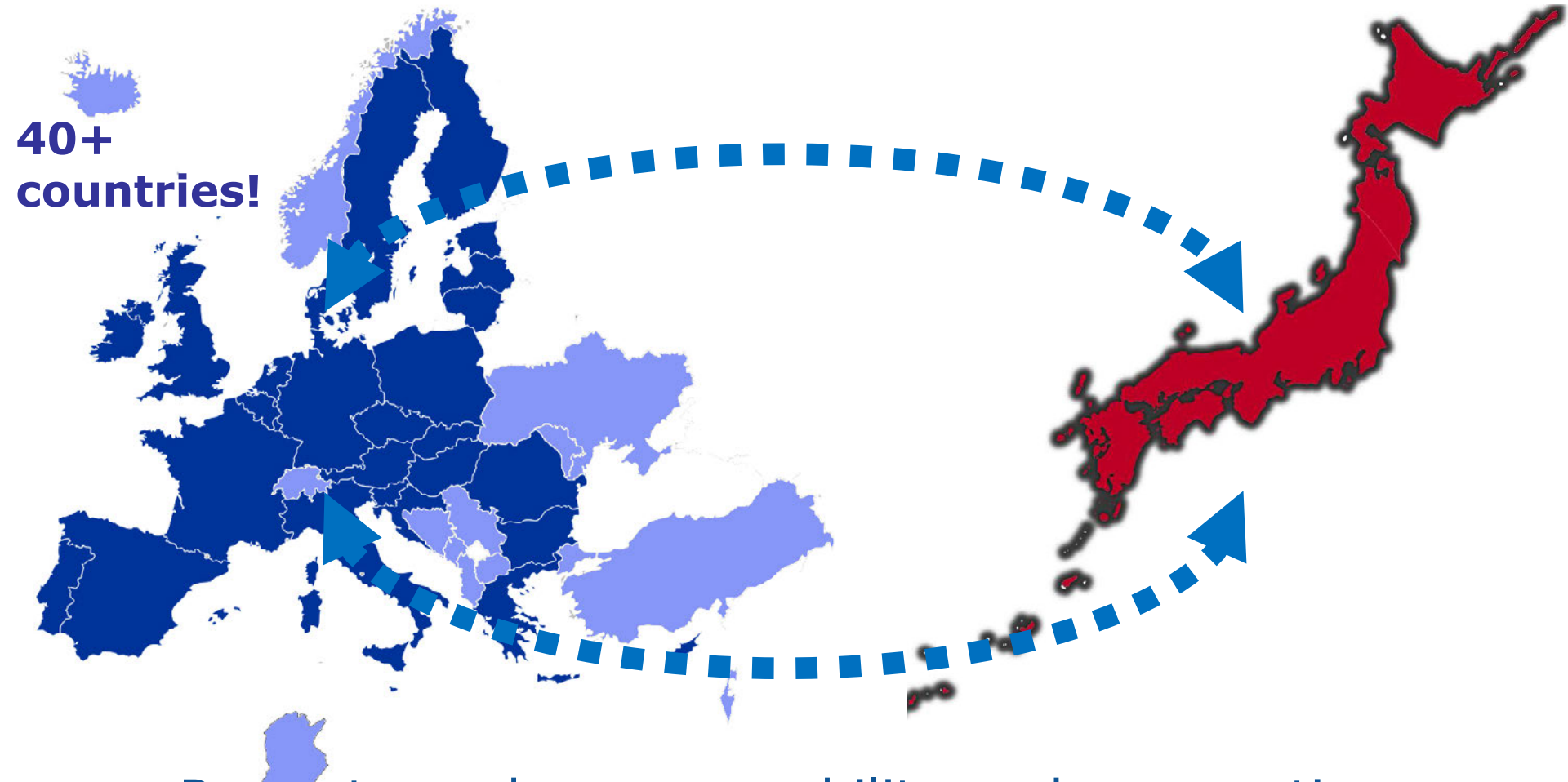
How can you benefit? For individuals:

- Find potential research collaborators or hosts
>24,000 Individual researchers (member profiles)

How can you benefit? For institutions:

- Find potential partners for your projects
>12,000 Institutional members

IV: WORLDWIDE



**40+
countries!**

Promote exchanges: mobility and cooperation
No brain drain!!

⌘ In Japan, EURAXESS (1 p. full time!)

1- Provides regular, **tailored and reliable information**
(funding, mobility, cooperation opportunities, etc)

2- Organises/participates in **networking and information events**

3- Manages a **community of >3,300 researchers** and related

⌘ In the interest of **Europe – Japan research cooperation and researcher mobility**

⌘ **For free!**

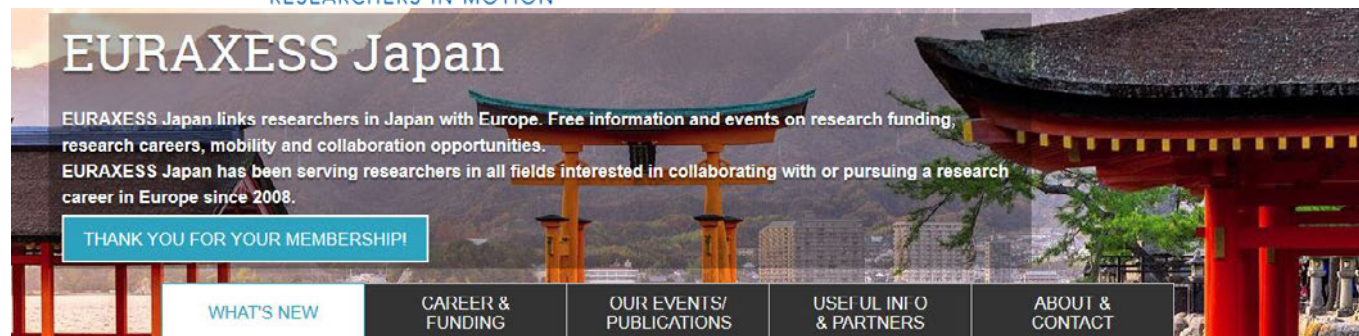
IV: WORLDWIDE



JAPAN
[dot]
EURAXESS
[dot]
ORG

+++

Mail alerts:
japan@
euraxess.net



26/04/2017

MORE3 STUDY: ARE YOU A RESEARCHER CURRENTLY WORKING OUTSIDE EUROPE? WE WANT TO HEAR YOUR OPINION!



17/04/2017

ERASMUS+ CALL: TECHNOLOGIES OF INFORMATION AND COMMUNICATION EUROPE-EAST ASIA MOBILITIES



11/04/2017

16 POSITIONS AT MAN TECHNOLOGY ENVIRONMENT RESEARCH CENTRE, SWEDEN



10/04/2017

ELSEVIER REPORT: GENDER IN THE GLOBAL RESEARCH LANDSCAPE

EVENTS



14/07/2017 - 14/07/2017

Japan, Tokyo

GRANTS IN PRACTICE 2017



16/06/2017 - 16/06/2017

Japan, Tokyo

SEMINAR: TECHNOLOGIES FOR FINTECH FROM POLAND



27/05/2017 - 27/05/2017

Japan, Tokyo

FALLING WALLS LAB TOKYO 2017



29/03/2017 - 29/03/2017

Japan, Tokyo

ERC 10TH ANNIVERSARY CELEBRATION, 29 MARCH, TOKYO

IV: WORLDWIDE

European Research Day 2018: 29/09

1-day workshop by & for European community of research in Japan: learn & discuss careers & Europe!

bit.do/ERD2018Japan



= european
research
day

2018



IV: WORLDWIDE

European Innovation Day 2018: 15/10

Discover an innovation powerhouse: European excellence in human resources & private R&D!

bit.do/EID2018Japan



Thank you for your attention!

Contact: japan@euraxess.net

Web: japan.euraxess.org



EURAXESS JAPAN – HOW WE CAN HELP

Information

- Regular 'flash notes' on forthcoming calls & relevant info
- European country profiles and newsletters every three months
- EURAXESS Portal to search for offers and to post offers

Support

- Host & Partner search via EURAXESS portal and Services Network
- Europe-Japan research cooperation & mobility dedicated seminars
- Networking events, Science communication events, community events & more

Individual Fellowships: Proposal part A

Section 1 – General Information requests information about the proposal, including an abstract of the action proposal.

Section 2 – Administrative data of participating organisations

- requests information about the main supervisor and the supervisor's host institution (the beneficiary); and
- requests information about the supervisor in the TC and the partner organisation (for Global Fellowships).

Section 3 – Budget requests information on the duration (person-months) to calculate the total requested EU contribution.

Section 4 – Ethics identifies any ethical aspects of the proposed work. Even if there are no issues, you must simply confirm that none of the ethical issues apply to the proposal.

Section 5 – Call specific questions request declarations related to eligibility and personal data, together with questions on any secondment in Europe.

Individual Fellowships: Proposal part B

DOCUMENT 1 (13-PAGE LIMIT APPLIED)

START PAGE (1 page)

LIST OF PARTICIPATING ORGANISATIONS

START PAGE COUNT (MAX 10 PAGES SECTIONS 1-3)

1. **EXCELLENCE**
2. **IMPACT**
3. **QUALITY AND EFFICIENCY OF THE IMPLEMENTATION**

STOP PAGE COUNT (MAX 10 PAGES SECTIONS 1-3)

DOCUMENT 2 (NO OVERALL PAGE LIMIT APPLIED)

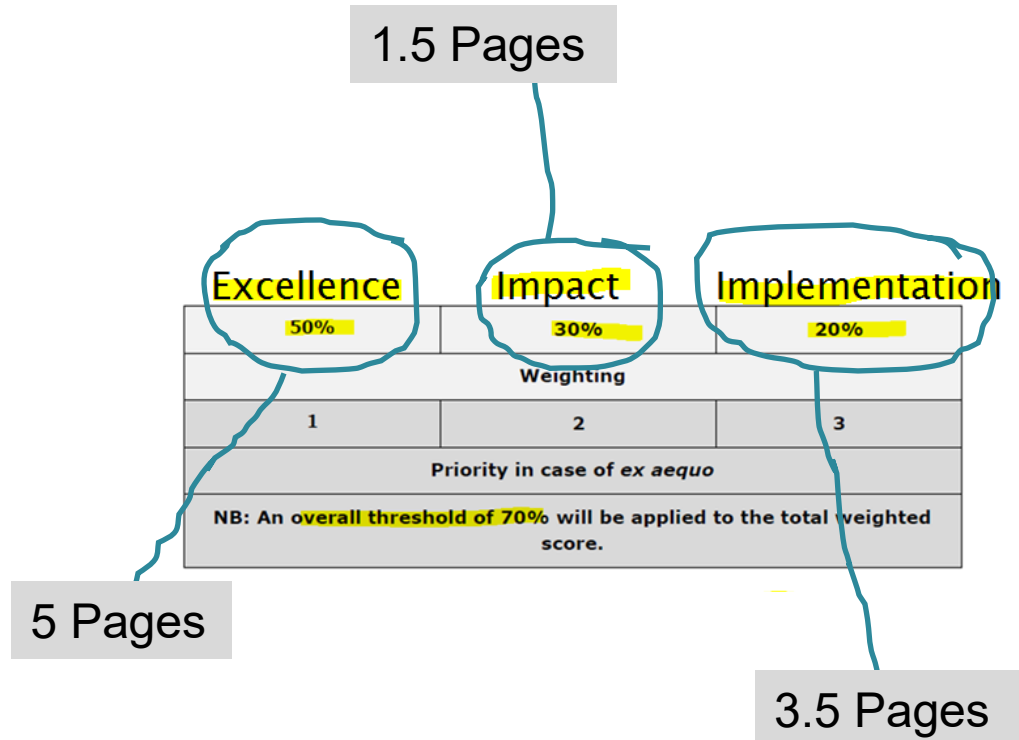
4. **CV OF THE EXPERIENCED RESEARCHER**
5. **CAPACITIES OF THE PARTICIPATING ORGANISATIONS**
6. **ETHICAL ASPECTS**
7. **LETTER OF COMMITMENT OF PARTNER ORGANISATION (GF ONLY)**

Individual Fellowships: Evaluation criteria

- 3 award criteria:

- Excellence
 - Impact
 - Implementation
- Overall threshold: 70%

Example:



For each criterion:
grade from 0 to 5 (e.g. 4.5/5/4.7)

$$\rightarrow \frac{4.5 \times 50\%}{5} + \frac{5 \times 30\%}{5} + \frac{4.7 \times 20\%}{5} \equiv 94$$