European esearch ights2018

ERN2018#2: GENDER EQUALITY
IN RESEARCH & DUAL-CAREERS

EUROPEAN RESEARCH DAY



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

Call for abstract open: bit.do/ERD2018Japan



Gender Equality in Research and Innovation: EU Policies and Actions

ERN2018#2, 8 March 2018 Tokyo



Matthieu PY, PhD
EURAXESS Japan
Coordinator



Gender-mixed research teams perform better

"Promoting diversity not only promotes representation and fairness but may lead to higher quality science."

Campbell et al. (2013) *

"High-performing collaborative research teams are created and maintained when team diversity (broadly defined) is effectively fostered and interpersonal skills are taught and practiced."

Cheruvelil et al. (2014) *

"(...) the key levers and drivers for innovative processes are positively influenced by having a 50:50 proportions of men and women in teams. This clearly shows that equal gender representation can help to unlock the innovative potential of teams."

The Lehman Brothers Centre for Women in Business. (2007) **

^{*} Refers to gender-mixed/diverse teams in research

^{**} Refers to gender-mixed/diverse teams in companies

She Figures 2015 Main source of pan-European statistics

on status of gender equality in R&I

Released every 3 years since 2003

"strides towards gender balance within

the pool of higher education graduates"

"women in the EU accounted for only

"women continue to be under-

"10.8% of women in research had

precarious contracts (7.3% of men)"

https://ec.europa.eu/research/swafs/pdf/pub_gender_equality/sh

e figures 2015-final.pdf

"gender pay gap: women's gross

represented in top positions"

wages17.9 % lower in R&D"

2015 edition:

33% of researchers"

BE BG CZ DK

DE

LU

HU

MT

RO

SI

SK

FI

SE

UK

NO

(14/

25)

Natural

sciences

(3/9)

Engineering

technology

Medical

sciences

Agricultural

(1/5)

(3/11)

Social

sciences

Humanities

She Figures 2015

In EU-28, 31 % of publications have a woman corresponding author.

Ratio of women to men authorships: 0.5 (ratio of number of researchers in the higher education sector 0.7)

https://ec.europa.eu/research/swafs/pdf/pub_ge nder_equality/she_figures_2015-final.pdf

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Women to men ratio of scientific authorships (when acting as corresponding author), by field of science, 2007-2009 and 2011-2013 Social sciences **Humanities** Natural sciences Medical sciences Agricultural 07-09 111-113 11-13 07-09 111-113 07-09 11-13 07-09 11-13 07-09 11-15 0.5 0.6 EU-28 0.7 0.5 0.6 0.4 05 BE 03 0.5 04 0.5 05 0.5 05 0.8 10 BG 0.7 0.7 15 16 Ž. z 0.4 85 05 0.4 CZ 03 05 0.5 DK 03 0E 0.7 0.6 0.7 0.4 0.4 03 0.5 0.5 0.5 0.4 0.5 0.4 0.4 DE 0.5 0.5 05 0.4 1.0 14 15 13 EE 12 Z 0.5 IE 05 0.7 0.4 0.5 0.6 08 0.7 EL 0.4 0.4 84 0.4 0.7 0.4 0.9 0.3 0.3 0.4 0.7 0.5 0.6 0.6 ES O.B. 06 FR. 0.4 06 0.5 0.5 0.5 0.7 0.6 HR 8.0 0.8 03 0.4 13 1.0 05 0.7 09 10 1.4 0.8 04 05 IT. 0.4 0.4 0.4 0.7 05 3.0 0.4 CY 2 0.7 0.7 2 2 LV 2 1/4 0.9 7 z 2 0.5 05 19 18 11 0.5 07 LT LU 04 2 0.5 13 03 0.4 0.4 0.5 12 HU 0.6 0.3 05 8.0 0.5 0.5 0.5 06 0.5 NL 0.4 0.7 83 05 0.5 0.5 AT 0.8 PL 6.4 0.4 0.9 1.0 1.0 1.0 0.7 0.7 0.6 0.5 0.4 0.9 1.1 0.5 0.6 0.7 PT 0.6 0.4 10 10 1.0 0.4 0.7 RO 0.8 0.8 08 0.7 15 12 19 0.9 09 SI 0.4 03 08 05 07 04 09 0.8 OB. 09 1.0 SK 04 0.4 0.4 09 13 09 0.7 0.9 09 0.4 0.4 06 0.5 0.4 12 12 11 0.5 0.5 FI 1.0 0.9 0.9 08 08 0.8 0.5 0.7 0.5 SE 0.9 0.7 05 0.5 UK 0.5 05 06 0.5 15 11 11 2 0.3 0.3 0.7 0.9 0.7 0.5 0.5 0.6 0.5 NO 0.3 0.4 0.5 0.3 0.4 0.4 0.4 CH ME 2 2 MK 15 1.5 Z z 0.7 0.7 0.7 0.7 12 13 12 12 18 0.7 RS

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European Research Area

An open space for knowledge and growth

Three objectives

- Increase the participation of female scientists at all levels
- Ensure gender balance in decision-making
- Integrate gender dimension in research content & programmes

Three levels

- 1. Stakeholders- SHOs
- 2. Member States and Associated Countries
- 3. European Commission

European Research Area

An open space for knowledge and growth

1- Research organisations are invited to:

Implement institutional changes through **Gender Equality Plans**:

- Audits of procedures/practices to identify gender bias
- Implementing innovative incentive strategies
- Setting targets and monitoring progress (indicators)

Commission Communication:

A Reinforced European Research Area Partnership for Excellence and Growth 17-07-2012

European Research Area

An open space for knowledge and growth

2- Member States are invited to:

- Create the appropriate legal and policy environment
- Ensure **40% of the under-represented sex** in committees involved in recruitment and in drafting/evaluating research programmes

Commission Communication:

A Reinforced European Research Area Partnership for Excellence and Growth 17-07-2012

European Research Area

An open space for knowledge and growth

3- The European Commission will:

- Support and encourage Stakeholders and Member States
- Foster Gender Equality and the integration of the gender dimension in research content in Horizon 2020

Commission Communication:

A Reinforced European Research Area Partnership for Excellence and Growth 17-07-2012



H2020 WP:

balanced participation in research teams/ management structures

Reporting

of the workforce composition in periodic reports

Grant Agreement

Equal opportunities and gender balance at all levels

Proposal

indicate the **gender of the PI**

Evaluation

If same scores,
gender balance in
teams is a ranking
factor

H2020 WP:

Some <u>topics</u> require a specific gender analysis

Reporting

If relevant as part of the deliverables and of periodic reports.

Proposal

"Where relevant describe how gender analysis is taken into account in the project 's content"

Grant Agreement

Gender dimension is part of the Description of Action (DOA)

Evaluation

Experts assess the inclusion of gender dimension under excellence criterion.

The H2020 Participant Portal: Funding opportunities

TOPIC: The gender perspective of science, technology and innovation (STI) in dialogue with third countries

Topic identifier:
Publication date:

SwafS-12-2019 27 October 2017

Types of action:

RIA Research and Innovation action

DeadlineModel:

single-stage

Planned opening

date:

11 December 2018

Deadline:

02 April 2019 17:00:00

Time Zone: (Brussels time)

Scope:

The project will investigate how gender equality matters are taken into consideration at different levels of international cooperation in the area of science, technology and innovation between the EU and a selected set of third countries, along three objectives, i.e. equality in scientific careers, gender balance in decision making, and the integration of the gender dimension in R&I content. The project will build on the work done by the ERA-related groups in charge of gender equality and international cooperation as well as EU funded projects. It will provide a mapping and a subsequent analysis of how gender equality is taken into account and promoted:

The H2020 Participant Portal: Funding opportunities

Find projects/topics with a gender dimension:

H2020 Participant Portal→ "Funding Opportunities" → Quick finder "Gender" (bottom part, left column)

(325 closed projects, 45 open calls, 67 forthcoming calls as of 08/03/2018)

http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/index.html

More Info on EU's Gender policies in R&I: RTD-GENDERINRESEARCH@EC.EUROPA.EU

http://ec.europa.eu/research/swafs/index.cfm?pg=policy&lib=gender

Recent positive evolutions

Proportion of women in grade A positions:

15 % in 2000, 18 % in 2007, 21 % in 2013 → 23.5 % in 2014

Proportion of women heads of institutions in the higher education sector: 15.5 % in 2010 → 20.1 % in 2014

Proportion of women heads of institutions accredited to deliver PhDs: 9 % in 2007, 10 % in 2010 → 15 % in 2014

Legal framework:

14 Member States and 3 Associated Countries implemented quotas or targets for gender balance in decision-making bodies, such as executive boards, recruitment committees and evaluation panels (from National Action Plans submitted in 2016 by MS/AC)

Contact - Registration

Mail: japan@euraxess.net

Web: japan.euraxess.org







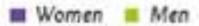


Gender in the Global Research Landscape

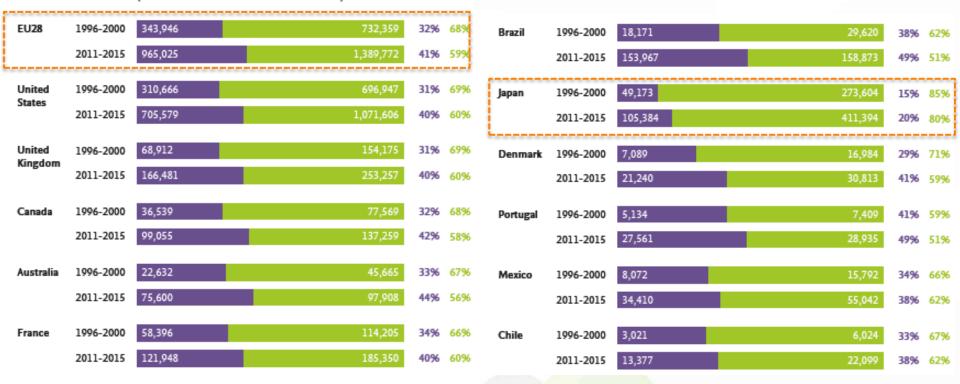
- establishing a scalable framework to support policy evidence



Proportion and number of researchers by gender



PROPORTION OF WOMEN AND MEN (AMONG NAMED GENDERED AUTHOR PROFILES)



The proportion of women among researchers and inventors is increasing in all twelve comparator countries and regions over time.

- All fields of Science



In all regions examined there is only a little difference in field weighted citation impact between women and men

International collaboration

Women are less likely than men to collaborate internationally on research papers.

For EU 28 (22% for women; 26% for men).

Japan has relatively low shares of international collaboration for both men and women (18% for women; 22% for men).



Among researchers, women are generally less internationally mobile than men

Japan

258,503 ACTIVE RESEARCHERS

Of whom women: 16%

FWCI: 1.44

Inflow

Researchers: 5%

Of whom women: 11%

Relative Productivity: 1.26

Relative Seniority: 1.24

FWCI: 1.51

Transitory

Researchers: 28%

Of whom women: 15%

Relative Productivity: 1.60

Relative Seniority: 1.19

FWCI: 1.71

Non-migratory

Researchers: 61%

Of whom women: 16%

Relative Productivity: 0.58

Relative Seniority: 0.88

FWCI: 0.98

Japan 16% Women 16% non-migratory 11% inflow women 19% outflow women

(only country with higher percentage of women leaving)

Outflow

Researchers: 6%

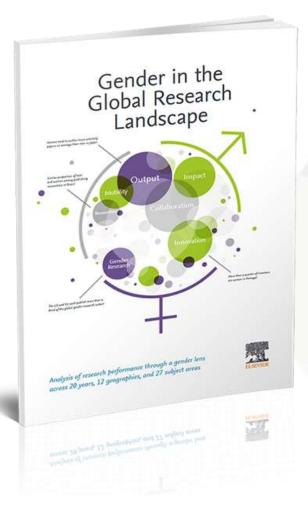
Of whom women: 19%

Relative Productivity: = 1.19

Relative Seniority: 1.15

FWCI: ■ 1.40

Where to learn more:



- Download the Report & Infographic
 - https://www.elsevier.com/research-intelligence/resource-library/gender-report/ nocache <a href="https://www.elsevier.com/research-intelligence/resource-library/gender-report/ nocache <a href="https://www.elsevier.com/research-intelligence/resource-library/gender-report/ nocache https://www.elsevier.com/research-intelligence/resource- <a href="https://www.elsevier.com/research-intelligence/res
 - https://www.elsevier.com/research intelligence/campaigns/gender-17 Infographics
- Access the References
 - Public **Mendeley** group, a community resource
 - https://www.mendeley.com/community/gender-in-the-global-research-landscape/
- Gender & Research Resource Center
 - **Dynamic resource** with information about gender and women in STEM activities, initiatives, and programs
 - https://www.elsevier.com/connect/gender-and-scienceresource-center