

A photograph of the International Space Station (ISS) in orbit above Earth. The station's complex structure, including multiple large solar panel arrays, is clearly visible against the dark background of space. The Earth's surface below shows a mix of blue oceans and brownish-green landmasses with some cloud cover.

**UNISEC GLOBAL
Gender Equality Session**

December 1, 2019

Naoko Yamazaki

山崎 直子

<写真©NASA/JAXA>



日本ロケット協会
Japanese Rocket Society



sorajo

**“Sorajo” (Women in Aerospace) Board
was established in July 2015
under Japanese Rocket Society.**



sorajo@jrocket.org



日本ロケット協会
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**Women in Aerospace networking Kick-off event
on October 3, 2015.**



Appointed as “STEM Girls Ambassadors” by Cabinet Office in June 2018.



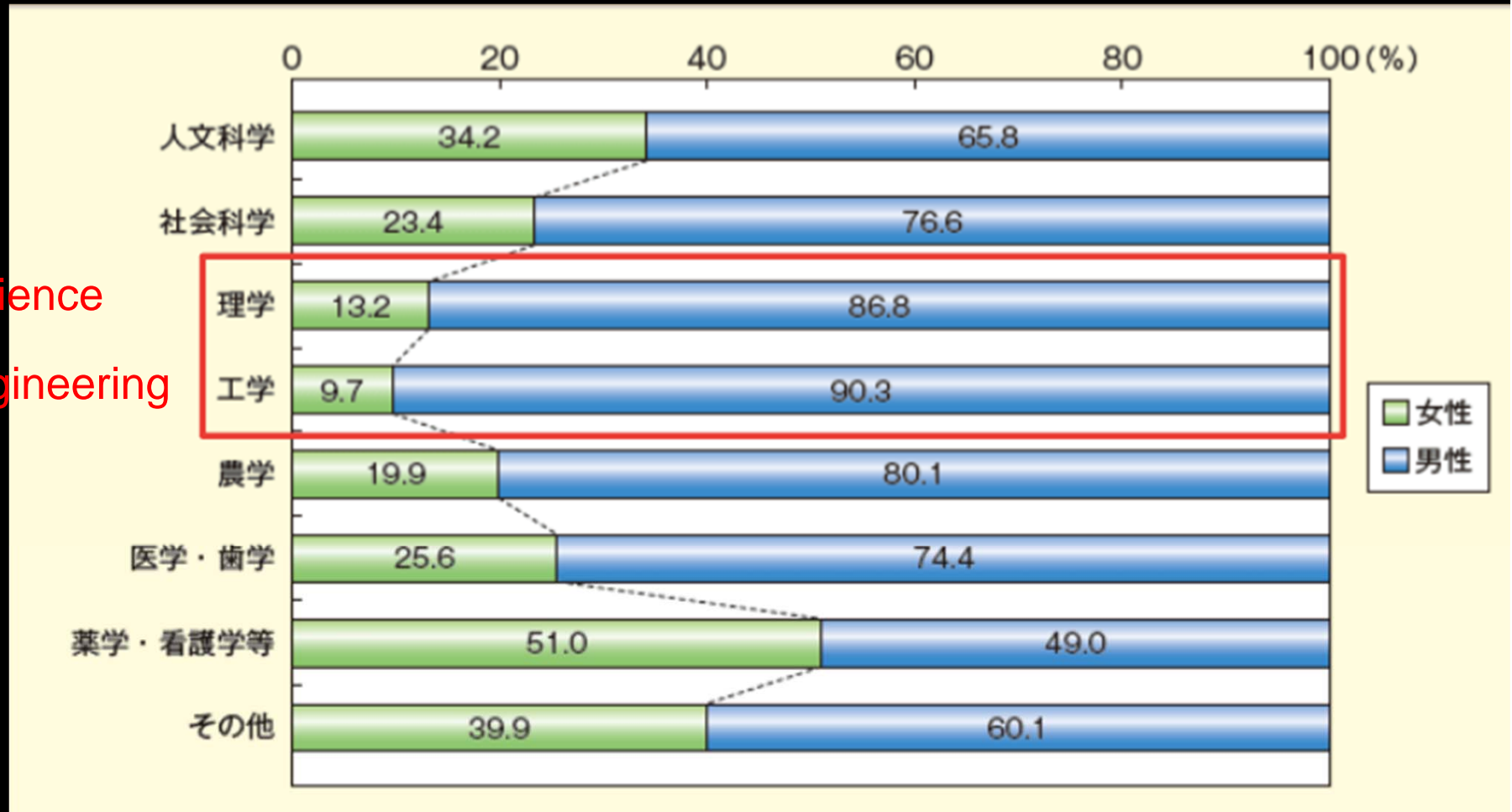
A horizontal light streak with a red-to-blue gradient on a black background. The streak starts as a bright red on the left, transitions through orange and yellow, and ends as a bright blue on the right. The background is solid black.

Background

Ratio of female researchers in Japan

<出典：平成26年版度男女共同参画白書(2014)>

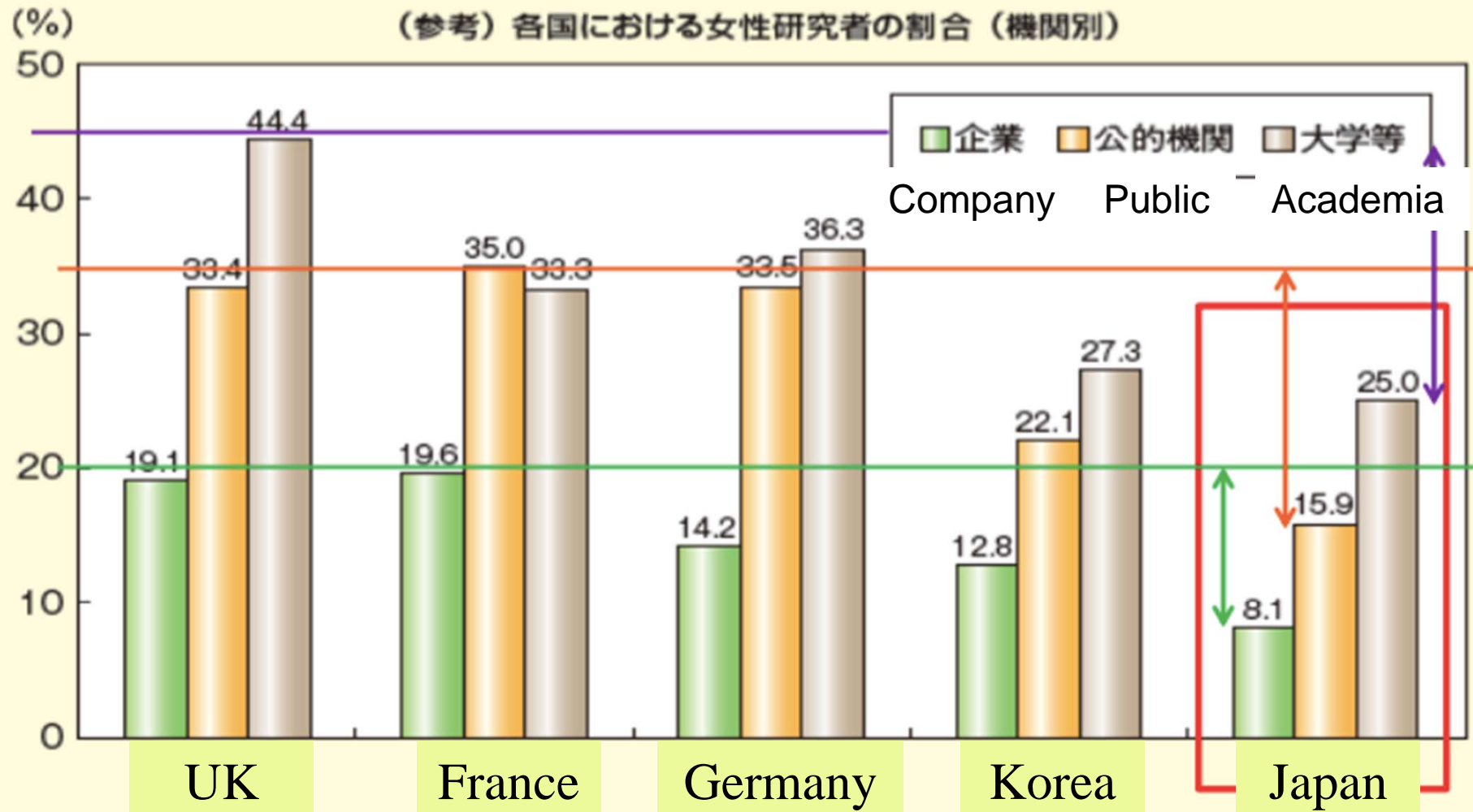
Science
Engineering



Ratio of Female Researchers

<出典：平成26年版度男女共同参画白書>

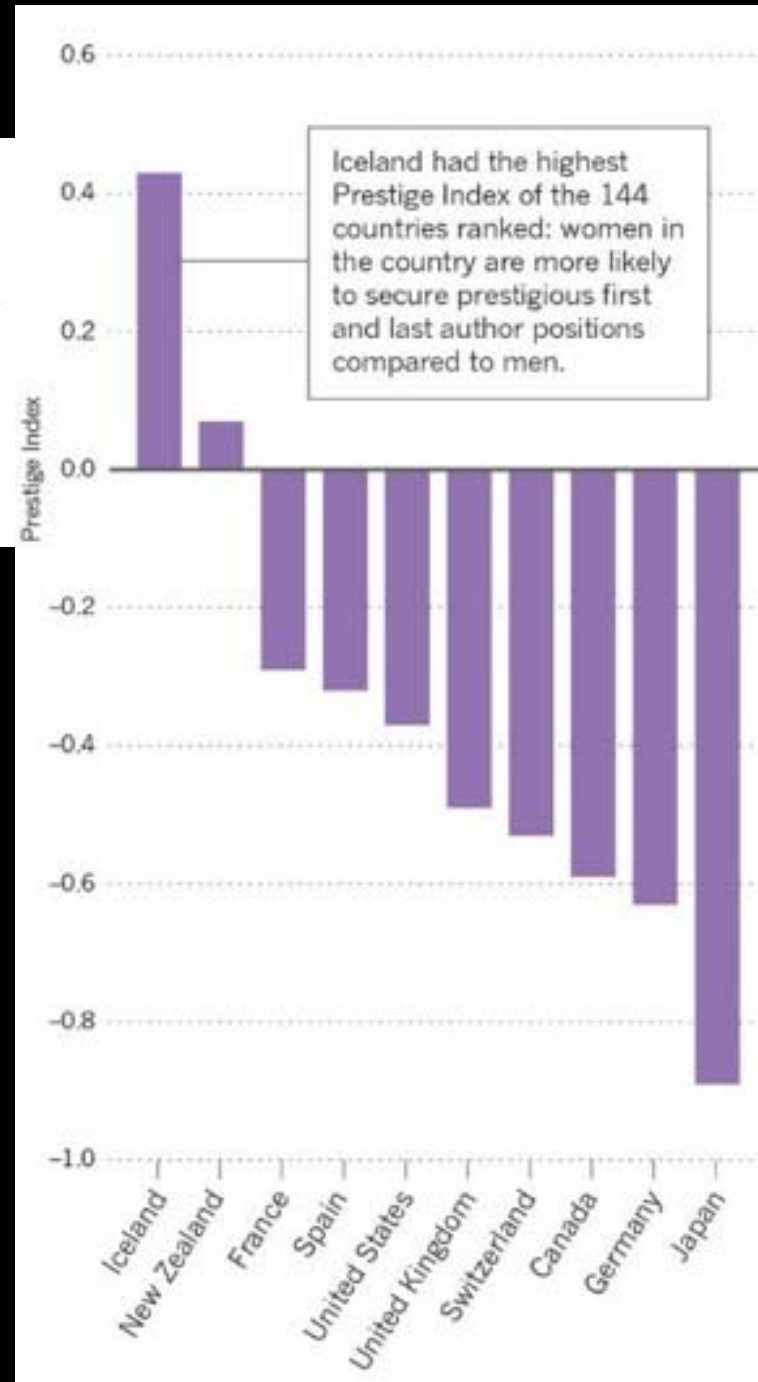
Japan is 128th in gender equality in the world.
(Ref: Gender Equality White Paper '14)



(備考) 1. 日本は、総務省「平成25年科学技術研究調査報告」より、その他はOECD“Main Science and Technology Indicators 2013”より作成。
2. 日本は平成25年、その他は23年時点。

EXCLUSIVE AUTHORSHIP

Women in Japan are significantly under-represented in prestigious authorship positions in articles published between 2008 and 2016 in 54 of the 68 journals listed on the Nature Index.



©Scientific reports
Nature Index

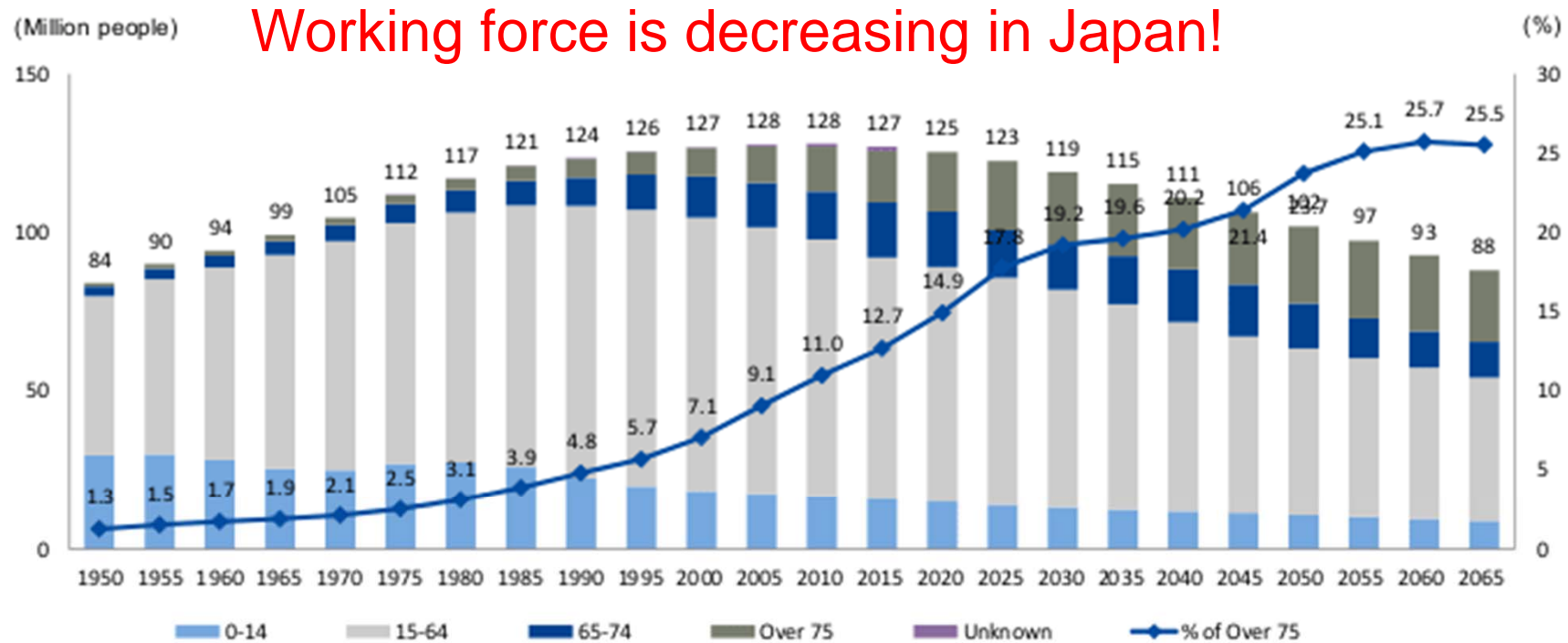
Japan is a world-top aging society.

20% : over 70 (as of 2018)

28% : over 65 (as of 2018)

Total population is decreasing, too.

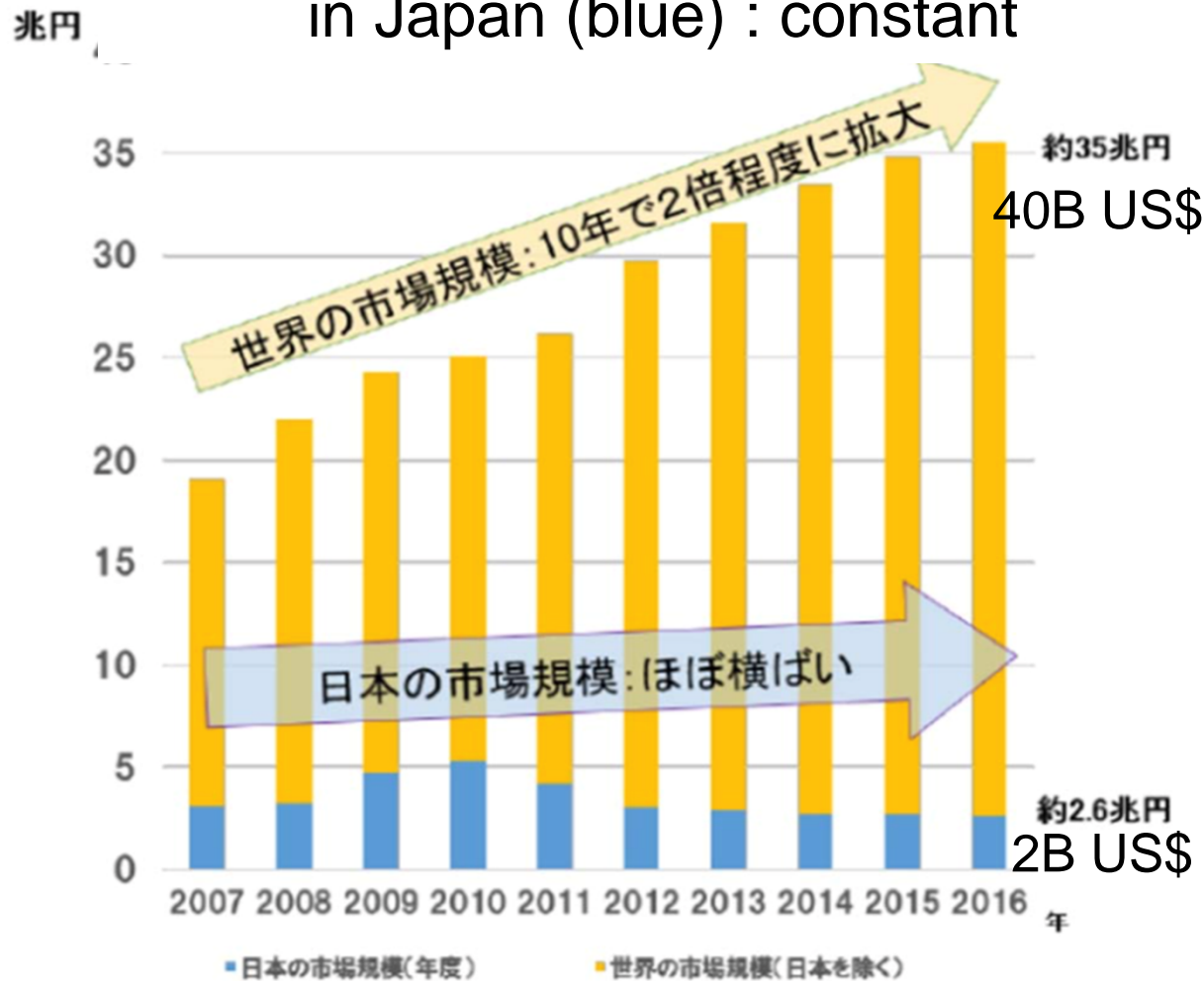
Japanese population



*Excerpted from "White paper on aging society" (Cabinet Office, Government of Japan)

Market of Space Industry

in the world (orange): double in 10 years
in Japan (blue) : constant



Especially
service using
space asset
is increasing.

Networking across fields
in diverse environment
is becoming more important.

女性が拓く
宇宙航空の夢と未来 JAXA

**女性が輝く社会に向けた国際シンポジウム
World Assembly for Women (WAW!)
Shine Weeks (September 2014)
Women in Aerospace Symposium**



**アジア・太平洋地域宇宙機関会議
(Asia-Pacific Regional Space Agency Forum
(APRSAF)) side event (December, 2014)**



女性が輝く社会に向けた国際シンポジウム World Assembly for Women (WAW!) Session of Women in Science (August 29, 2015)



外務省「女性が輝く社会に向けた
国際シンポジウム:WAW! 2015」
公式サイドイベント



Dr. Myung-Ja Kim

Ms. Naoko Yamazaki

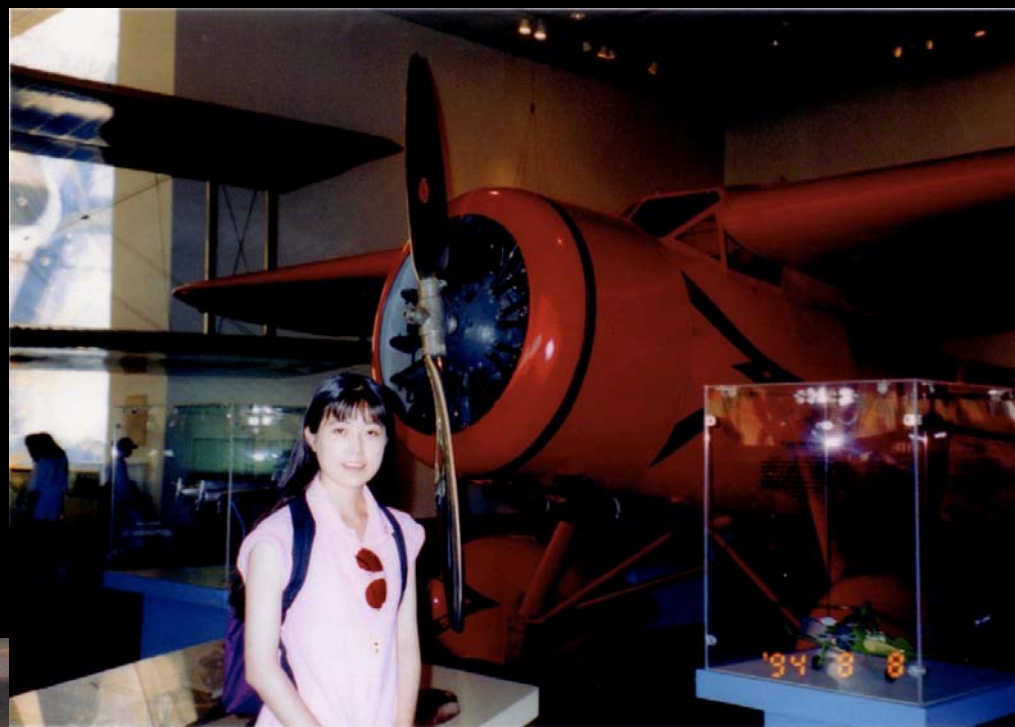
Ms. Sachiko Kur

A horizontal beam of light with a color gradient from red to blue, set against a black background. The beam starts as a bright red on the left, transitions through orange and yellow, and ends as a bright blue on the right. The text "Unconscious Bias" is centered in the lower half of the image.

Unconscious Bias

America Earhart Fellowship

1333 female scholars from 65 countries as of 2014 including 18 Japanese.



“Mercury Seven” in 1959



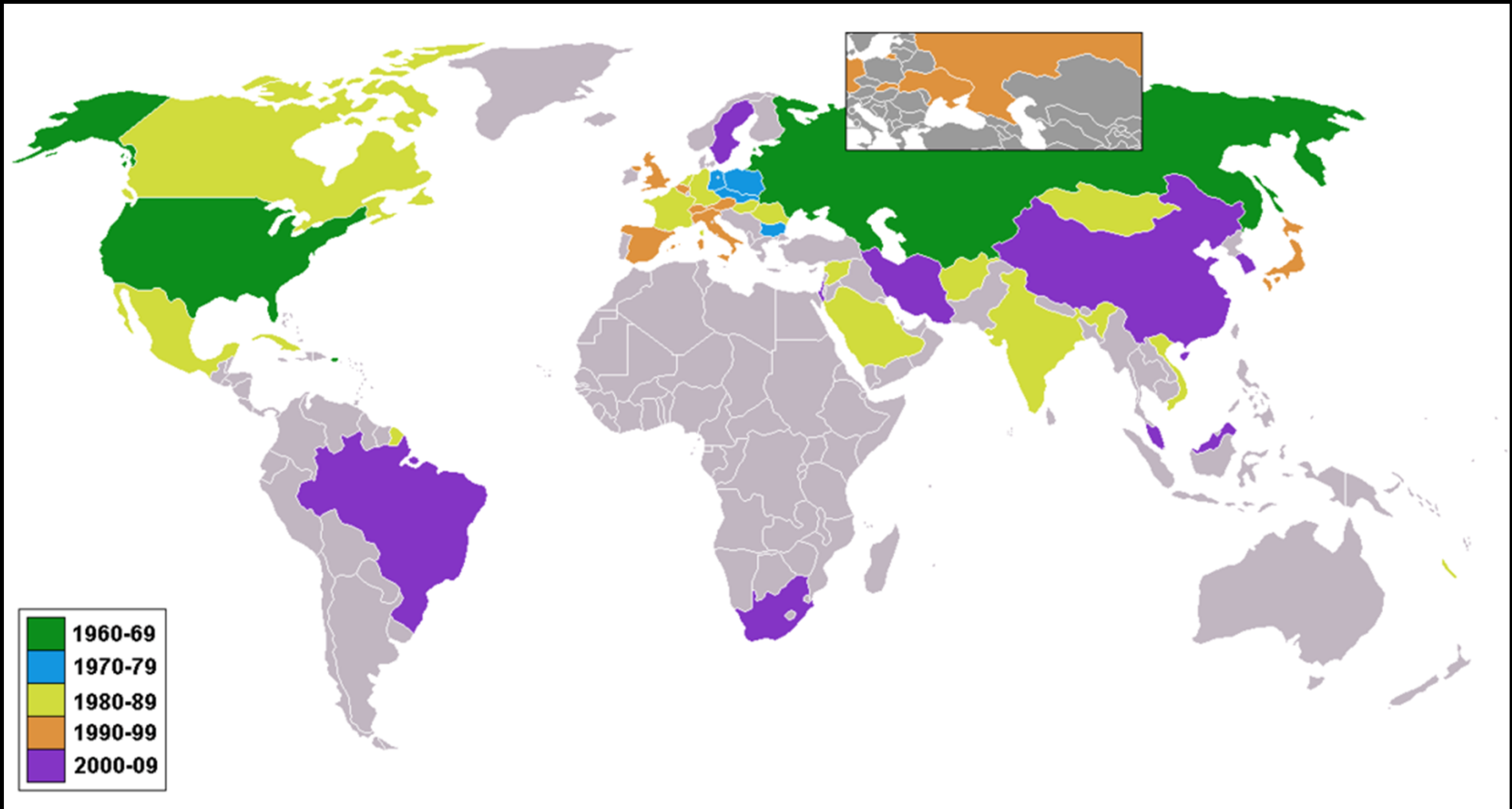
Onboard International Space Station (ISS) (April 2010)



“International Space Station” in 2019



Almost 570 Space Travelers from 38 countries (As of October 2019)



As of 2008

Mission Control Center @Tsukuba, Japan



Support and Understanding of Communities



A dark background with a horizontal light streak that transitions from red on the left to blue on the right. The text is positioned in the lower-left quadrant of the image.

Working together
among various genders, ages, backgrounds,
etc



日本ロケット協会
Japanese Rocket Society



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Women in Aerospace network was established under Japanese Rocket Society on October 3, 2015.





Sorajo Activities

Workshops

Social parties

Exhibitions

Organized Sessions at Symposium

Collaborations with Young Astronaut Club

Sorajo Award in Satellite Design Contest



Working together:

- Family
家族の思い
- Individual
個人の思い
- Organization's environment
会社の環境・制度
- Society's environment
社会全体の環境・制度

Unconscious Bias
無意識のバイアス

Dilemma
板挟み

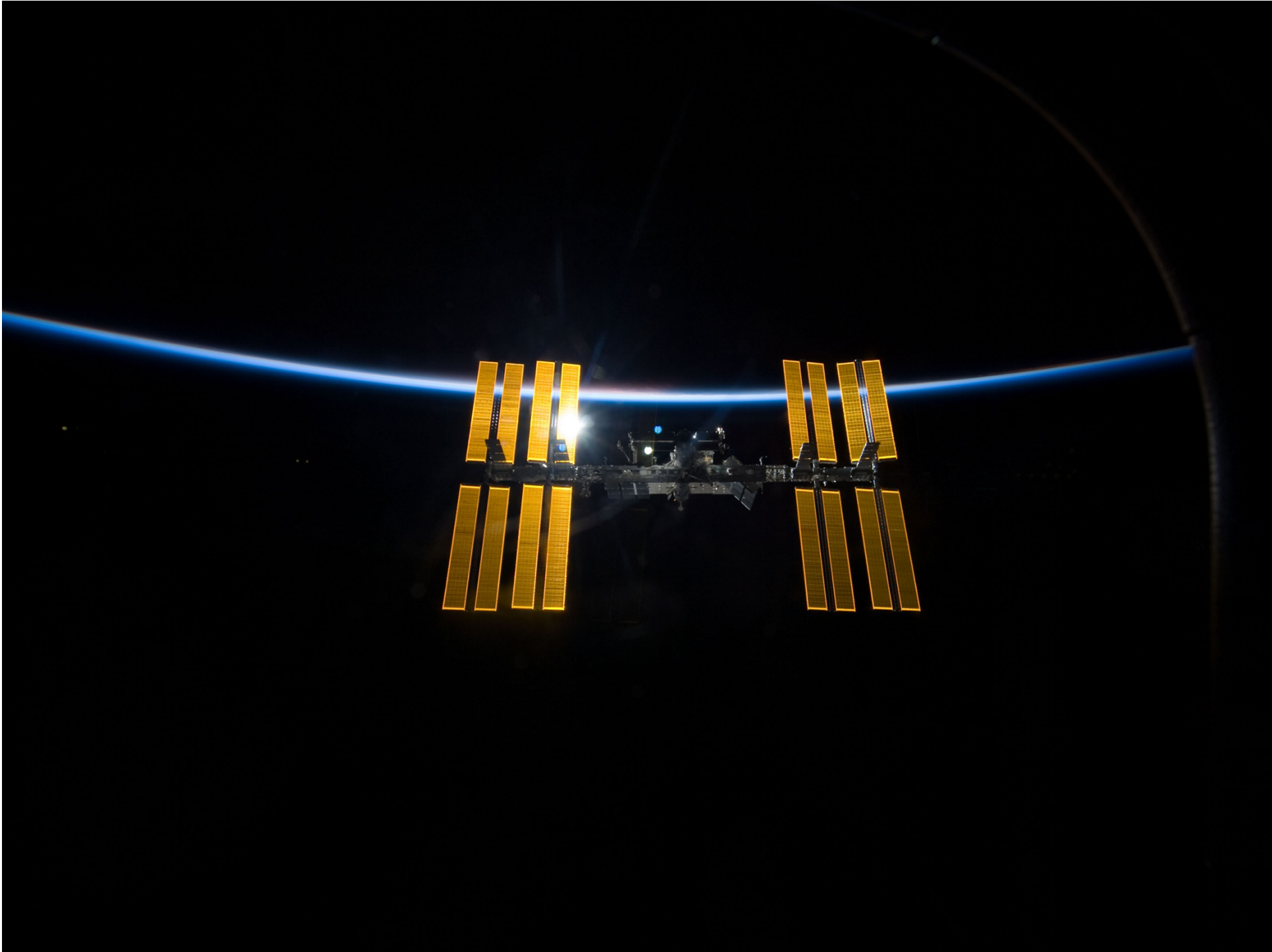
Talk to people around you.
Value each example.
まずは相談を! リーダーは個々の
事例に耳を傾けよう!

The Serenity Prayer

ニーバーの祈り

God Grant me
The serenity;
to accept the things I cannot change,
The courage;
to change the things I can,
And the wisdom;
to know the difference

~Reinhold Niebuhr



“地球の出(Earthrise)” in 1968



Risky to change,
Riskier not to change.
- John Young

