## Policies and Efforts in Japan for Gender Equality in Sciences

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## The State of Gender Equality in Japan

~ In Comparison with Other Countries ~

#### **Human Development Indices**

HDI (Human Development Index)

HDI Rank	Country	HDI
1	Iceland	0.968
2	Norway	0.968
3	Canada	0.967
4	Australia	0.965
5	Ireland	0.960
6	Netherlands	0.958
7	Sweden	0.958
8	Japan	0.956
9	Luxembourg	0.956
10	Switzerland	0.955
11	France	0.955
12	Finland	0.954
13	Denmark	0.952
14	Austria	0.951
15	U.S.A.	0.950
16	Spain	0.949
17	Belgium	0.948
18	Greece	0.947
19	Italy	0.945
20	New Zealand	0.944
21	U.K.	0.942
22	Hong Kong, China	0.942
23	Germany	0.940
24	Israel	0.930

(Source) UNDP 2008

0.928

(Total: 179 countries)

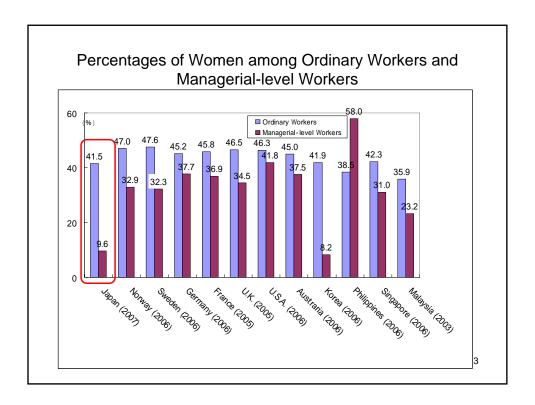
GEM (Gender Empowerment Measure)

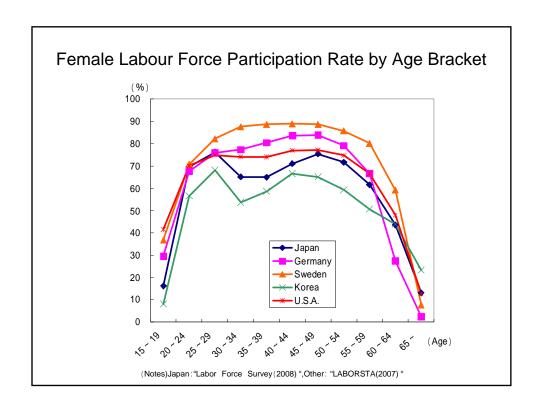
GEM Rank	Country	GEM
1	Sweden	0.925
2	Norway	0.915
3	Finland	0.892
4	Denmark	0.887
5	Iceland	0.881
6	Netherlands	0.872
7	Australia	0.866
8	Germany	0.852
9	Belgium	0.841
10	Switzerland	0.829
11	Canada	0.829
14	U.K.	0.786
17	France	0.780
18	U.S.A.	0.769
21	Italy	0.734
57	Venezuela	0.577
58	Japan	0.575
59	Kyrgyzstan	0.573
68	Korea	0.540
69	Malaysia	0.538
(Source) UNDP	2008 (Total: 10	08 countries)

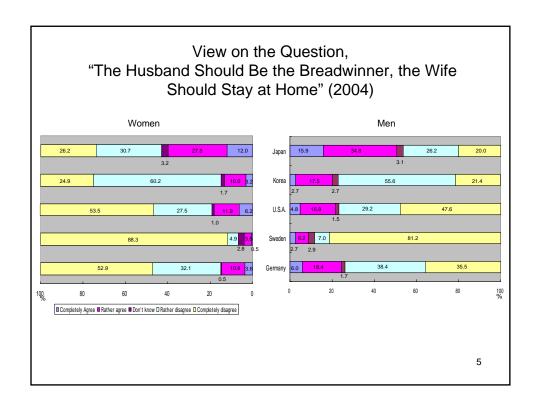
GGI (Gender Gap Index)

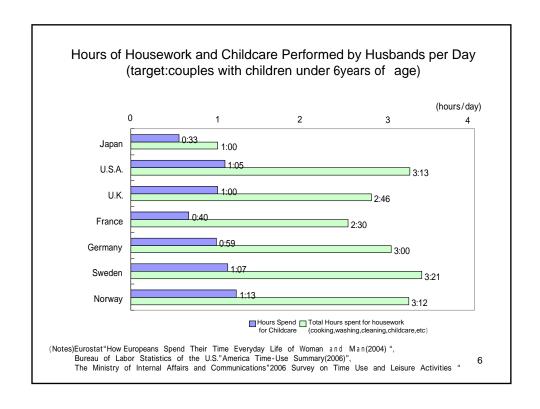
Country	GGI
Norway	0.8239
Finland	0.8195
Sweden	0.8139
Iceland	0.7999
New Zealand	0.7859
Philippines	0.7568
Denmark	0.7538
Ireland	0.7518
Netherlands	0.7399
Latvia	0.7397
Germany	0.7394
Sri Lanka	0.7371
U.K.	0.7366
Switzerland	0.7360
France	0.7341
U.S.A	0.7179
Canada	0.7136
Italy	0.6788
Japan	0.6434
Korea	0.6154
	Norway Finland Sweden Iceland New Zealand Philippines Denmark Ireland Netherlands Latvia Germany Sri Lanka U.K. Switzerland France U.S.A Canada Italy Japan

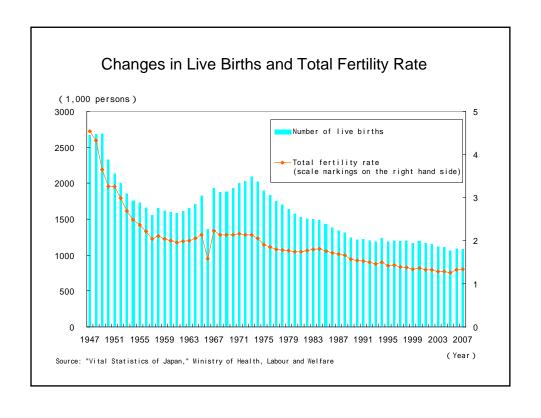
(Source) World Economic Forum 2008 (Total: 130 countries)











# Measures towards Women Empowerment and a Gender-equal Society in Japan

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#### 1. Basic Framework for Gender Equality

#### <National Machinery>

**Headquarters for the Promotion of Gender** 

**Equality(President: Prime Minister)** 

**Council for Gender Equality** 

(Chair: Chief Cabinet Secretary)

**Minister for Gender Equality** 

**Gender Equality Bureau, Cabinet Office** 

#### <Basic Legislation>

The Basic Law of Gender-equal Society(1999)

Basic Plan for Gender Equality(2nd Plan (2005))

Law on Securing of Equal Opportunity and Treatment between Men and Women in Employment (1985)

## 12 Priority Objectives for Gender Equality of the new basic plan (5years from Jan. 2006)

- 1. Expand: Decision –making process
- 2. Review: Social systems & practices, awareness
- 3. Secure: Employment
- 4. Establish: Rural areas
- 5. Support: Work-Life balance
- 6. Develop: Conditions for the elderly7. Eliminate: Violence against women
- Improve: Health
   Promote: Media
- 10. Enrich: Education and learning11. Contribute: Global community
- 12. Advance: Science & Technology, and other new fields

#### 2. Measures to Expand Women's Participation

 Expansion of Women's Participation in Decision-Making Processes

<u>Target set</u>: at least 30% of the leadership positions to be held by women in all fields of society by 2020 (The Second Basic Plan for Gender Equality (December 2005))

 Expansion of Women's Participation in New Fields including Science and Technology

<u>Target set</u>: 25% for female recruitment on the natural sciences as a whole (The Second Basic Plan for Gender Equality, The Third Basic Plan of Science and Technology (March 2006))

O Support to Women's Renewed Challenges

<u>"Plan to Support Women's Renewed Challenges" (2005):</u> providing comprehensive support measures for women relating to learning and skill development, re-employment and entrepreneurial opportunities

"Program for Accelerating Women's Social Participation " (April 2008)

## "Program for Accelerating Women's Social Participation "(FY2008-2010)

#### **Present Situation**

Women's participation in the society, especially in the decision making processes remains low.

#### "Program for Accelerating Women's Social Participation"

as a strategic measure for promoting women's participation (decided by the Headquarters for the Promotion of Gender Equality on April 8th, 2008)

#### **Basic Directions of the Program**

#### **Awareness Raising**

Awareness raising of top-ranking executives of every sector of society, managers, and women themselves Promotion in

#### Collaboration

#### Support for Capacity Development of Women

Realization of Work-Life Balance
Promotion of concrete measures following "Charter"
and "Action Policy" for Work-Life Balance ( 2007)

Promotion of positive action for displaying women's ability Support for women's career development including into new are Support for women's re-employment after child-rearing

Realization of "30% women in leadership positions by 2020"

Towards a diversified and vigorous society!

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#### "Program for Accelerating Women's Social Participation"

**Examples of Concrete Measures to be Implemented by the End of FY2010** 

- (1) Creation of an Environment for Accelerating Women's Social Participation in Every Field of Society (Examples)
  - Strategic awareness raising of top-ranking executives of every sector of society
  - Support to formulation of network among women in their communities and various fields
  - Evaluation to positive measures / Provision of good practices
- (2) Focus on the Fields with Low Female Participation such as Doctors, Researchers and Public Officers

Ripple effect on other fields is expected

#### 3. Promotion of Work-Life Balance

Promotion of work-life balance had been dependent on the efforts made by companies.

The government started to recommend promotion of work-life balance at meetings and conferences from various viewpoints including gender equality, increase of birthrate and labour market reform.

In December 2007, the representatives from various fields, such as the business community, the labour community and the government, formulated <u>"Charter for Work-Life Balance"</u> and <u>"Action Policy for Promoting Work-Life Balance"</u>

Comprehensive measures toward a work-life balanced society have been promoted by the public and private sectors as one, such as...

Campaign

Correction of long working hours

Promotion of child care leave

Appropriate treatment of part-time workers

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#### "The Charter for Work-Life Balance" (2007)

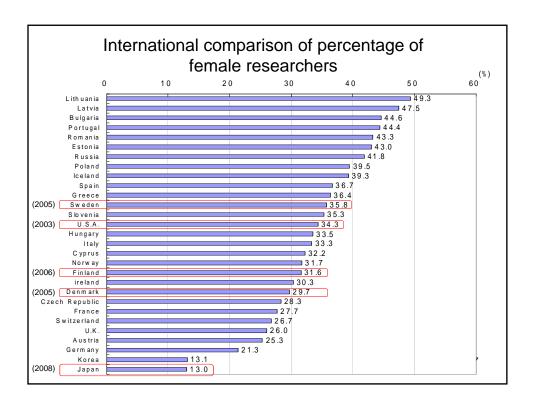
#### What is "a work-life balanced society"?

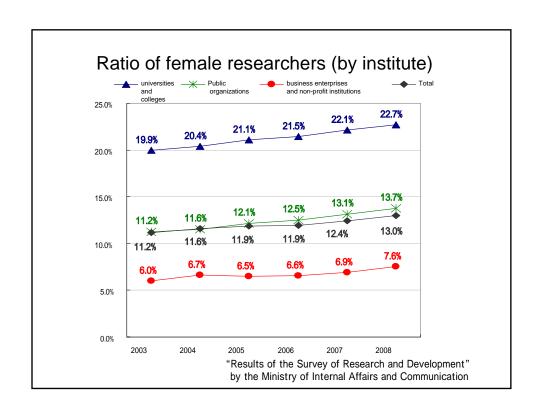
A society where each citizen can choose and live a variety of lifestyles according to different stages of life, such as the childrearing and midlife periods, within his/her family and community as well as works satisfactorily and fulfills his/her work-related responsibilities.

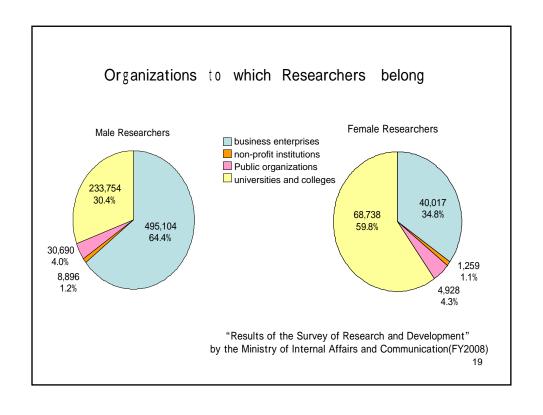
 A society where economic independence by working is possible 2. A society where time can be secured for healthy and rich lives 3. A society where choosing a variety of ways of working and living is possible

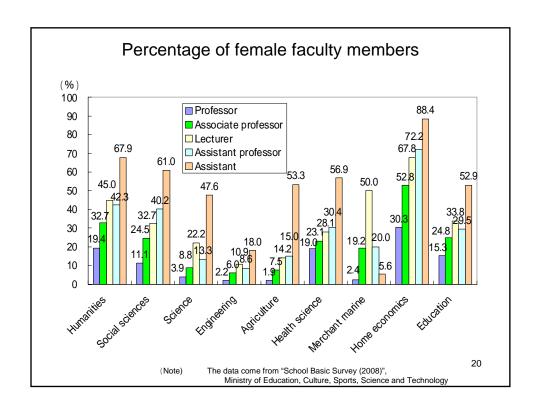
A diversified, vigorous and sustainable society
(each citizen will be able to make the most of his/her willingness and ability, companies and organizations will be able to enhance their competitiveness and rich society will be built.)

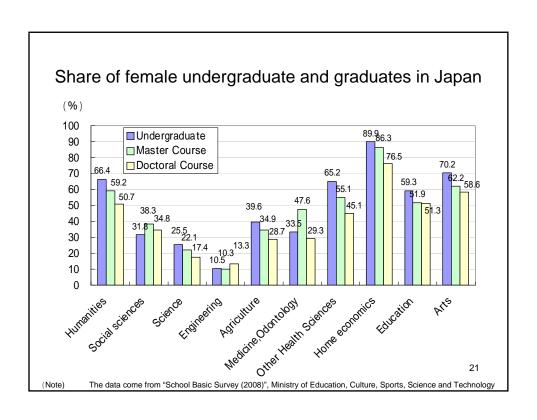
## The State of Gender Equality in Sciences in Japan

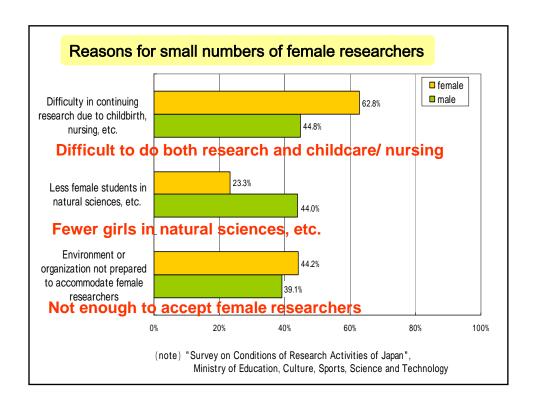












## Problems for Gender Equality in Sciences

Difficulties in balancing research and childbirth/child-rearing

\*long working hours

\* Insufficient support for child-rearing

\*gender stereo-typed role-sharing

Increase of fixed-term positions, sometimes bringing conflicts with childbirth and child-rearing

Systems inflexible and unfitted for diverse lifecycles and circumstances (ex.age restrictions)

Gender bias in employment and promotion Lack of role-models for women Gender stereo-typed idea in selection of majors

## Japanese Government Strategies and actions for Gender Equality in Sciences

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Japanese government has made efforts to promote gender equality in sciences these five years to realize an advanced S&T oriented nation.

"FY2004 Annual Report on the State of Formation of a gender-Equal Society" (2004) featuring "S&T Development and gender equality"

"the 2nd Basic Plan for Gender Equality" (December 2005)

"the 3rd Science and Technology Basic Plan" (March 2006)

Start of several programs for encouraging female researchers and engineers by MEXT (FY2006-)

Proposal for reform of system by Council for Science and Technology Policy (2007)

"the Program for Accelerating Women's Social Participation" (2008)

"the Strategy for Innovative Technology (2008)"

"the Law for reinforcement of development of research (2008)"

Start of new program for accelerating reform for fostering and recruitment of female researchers(2009~)

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## The Second Basic Plan for Gender Equality (December 2005)

- \* Expansion of Women's Participation in Policy Decision- Making Processes
  - <u>Target set</u>: at least 30% of the leadership positions to be held by women in all fields of society by 2020
- \* Expansion of Women's Participation in New Fields Science and Technology
- Target set: 25% for female recruitment on the natural sciences as a whole
- (science:20%, engineering:15%, agronomics:30%, healthcare:30%)
- Promoting work-life balance, recruitment and promotion of female researchers, participation of women in decision-making and encouraging girls into S&T

### The 3rd Science and Technology Basic Plan (FY2006-FY2010)

#### \*Numerical target

prospective recruitment target of female researchers <u>for</u> <u>natural sciences as a whole</u> is 25 % (science: 20%, engineering: 15%, agronomics: 30%, healthcare: 30%)

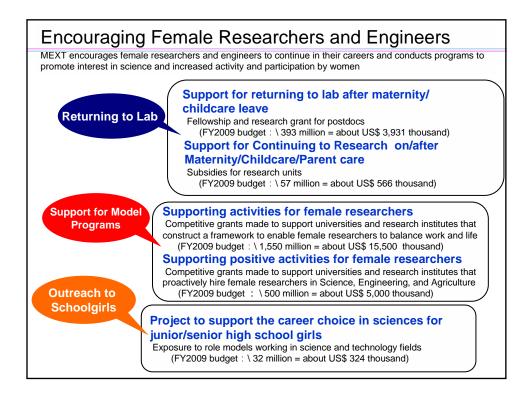
- \* Actions of universities and public research institutions
- general improvements, activities including consciousness reform by providing support for the balancing of research and child birth/ rearing
- ·fair recruitment after openly seeking female researchers ·promoting female researchers for advancement and participation in policy-making bodies

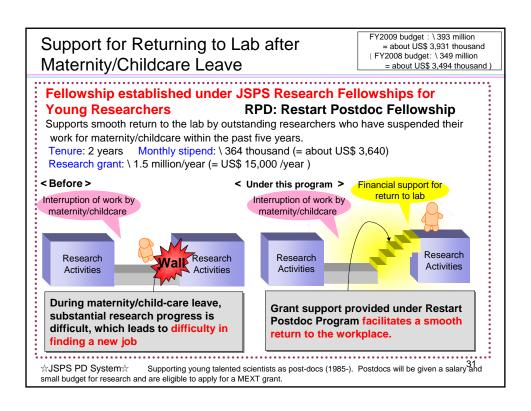
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### The 3rd Science and Technology Basic Plan (FY2006-FY2010)

#### \*Actions of government and funding agencies

- acknowledging a fixed period of respite or postponement following child birth/ rearing in receiving competitive funds
- support for research institutions that are implementing efforts that others should follow (positive models with good practices)
- grasp and disclose the status of those efforts on the numerical targets for recruitment by the universities and research institutions
- provision of information such as familiar examples (positive role models) to encourage girls into the S&T fields





## Support for Continuing to Research on/after Maternity/Child care/Parent care

FY2009 budget: \ 57 million = about US\$ 566 thousand

#### New subsidies established under JST Research grant since FY2008

Subsidies for equal participation of men and women

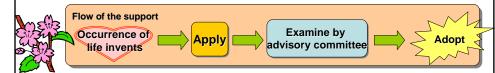
Supports scientists in JST granted research unit to continue or return to their research activity in case of maternity/child care/parent care.

Tenure: child care -- till the child entrance into a primary school parent care -- till the care comes to be unneeded

Amount of subsidy: \ 3 million/year (= about US\$ 30 thousand /year) at the max

Receiver: the research unit the applicant belongs to

Use of subsidy: employment of research assistant, other expenses for research activity or workload relief



#### **Model Programs to Support Female Researchers**

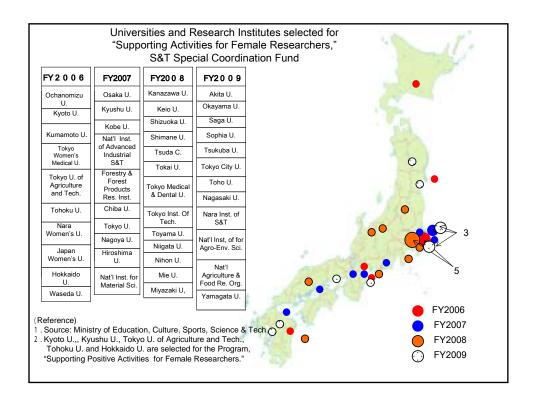
- Supporting Activities for Female Researchers

FY2009 budget: \ 1,550 million = about US\$ 15,500 thousand (FY2008 budget: \ 1,500 million = about US\$ 15,000 million)

Support for universities and research institutes that construct a framework to enable female researchers to balance work and life

Supporting period: 3 years
Grant: \ 30~50 million / year
(= about US\$ 300~500 thousand / year)

45 institutions selected in FY 2006~2009



## Examples of Efforts to support female researchers

\*Provide Childcare Services

Nursery in campus

Special care service for sick children

\*Reform of working style

Short-time work during child-rearing

E-work system

9 to 5 working system

\*Employment of research assistants

\*Mentoring system

