

Introducing Gender Summit Asia Pacific 2015. August 26-28 Seoul, Korea

2015. 4. 29

Gender Summit Africa: Cape Town

Heisook Lee

Center for WISSET

www.wiset.re.kr

2015 Gender Summit Asia-Pacific



26-28 August 2015, Seoul, Korea

Better Science & Technology for Creative Economy in Asia Pacific: Enhancing Societal Impact through Gendered Innovations in Research, Development and Business

The aim of the Gender Summit 6 Asia-Pacific 2015 is to introduce compelling research evidences on benefits of addressing gender issues in science and technology to improve quality of research and innovation. It is designed to interconnect all relevant stakeholders to develop strategies on how discussions and technological collaborations on gender diversity can open up opportunities to create new markets for scientific research and innovations.



**Population:**

More than 4.2 billion in 2011, constituting 60% of the world's population

Economy:

GDP growth in Asia and the Pacific was positive in 2010, at 6.6%.

Connectivity:

The number of internet & mobile users in Asia-Pacific region represents about 50% of world total users and the numbers continues to grow

Why Gender Summit in Asia Pacific?

Asia Pacific's diverse countries differ in gender status, R&D investment levels, stages of development, as well as culture

Creating differentiated challenges for:

1) Promoting gender-based innovation

Some emerging Asian countries might think this isn't an issue for them

2) Gender diversity in STEMM

Asian countries with higher R&D investment have lower female participation! Korea spends world's highest proportion of GDP on R&D – but has 2nd lowest female R&D participation rate in OECD

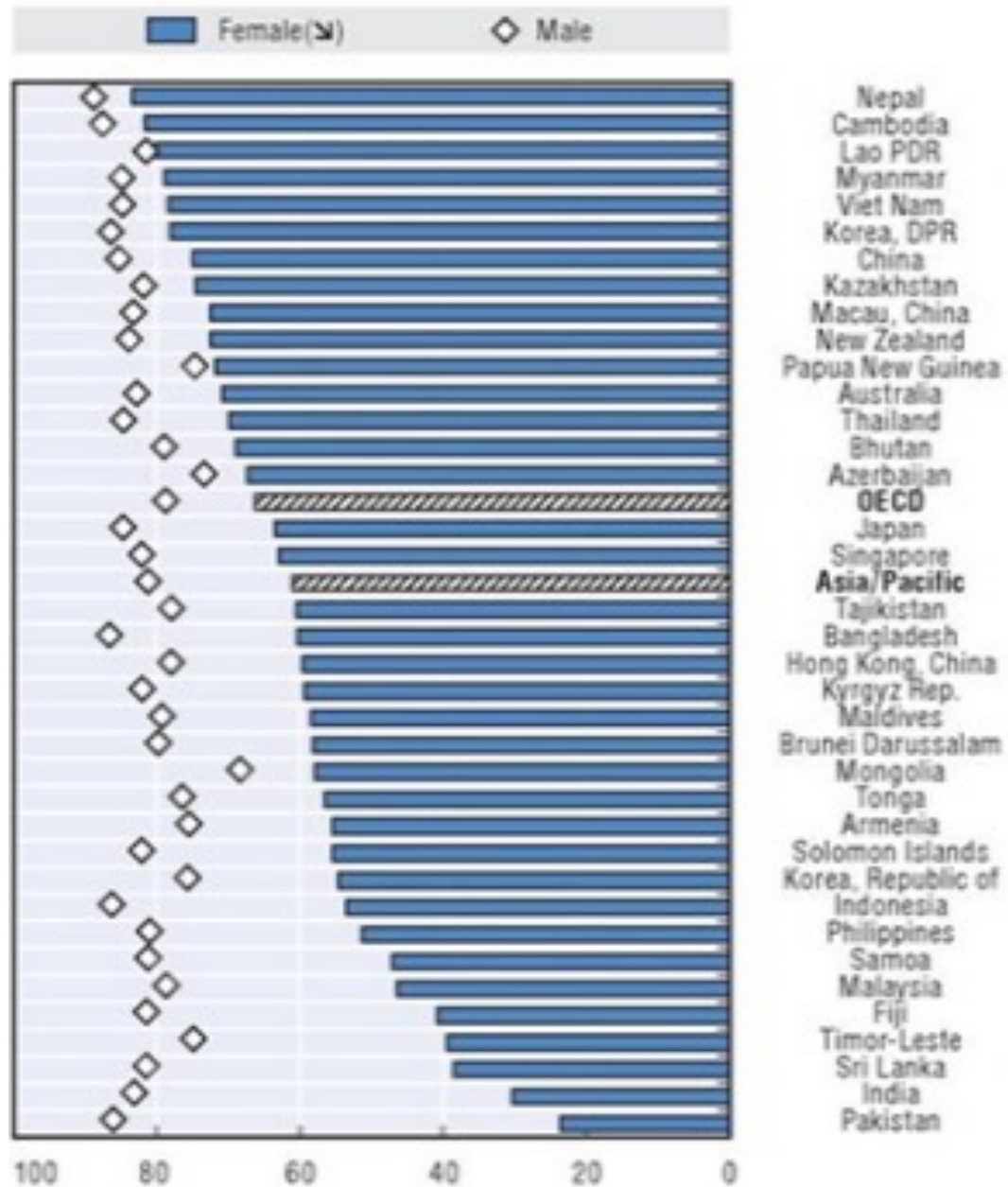
3) Gender-based technology for socioeconomic development

Solving basic development issues (e.g. health, water, sanitation) through targeted technology can boost women's participation in the workforce, education in STEMM

- The GS-Asia Pacific hopes to shine a light on some of the region's diverse situations in order to share lessons between countries in the region, and the rest of the world.

Gender Status in Asia Pacific region

Labor force participation rate 2012

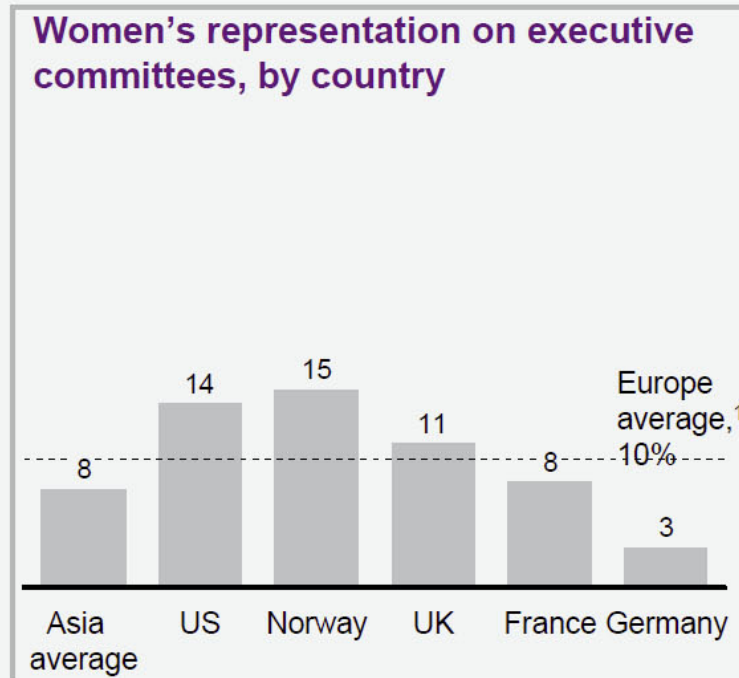
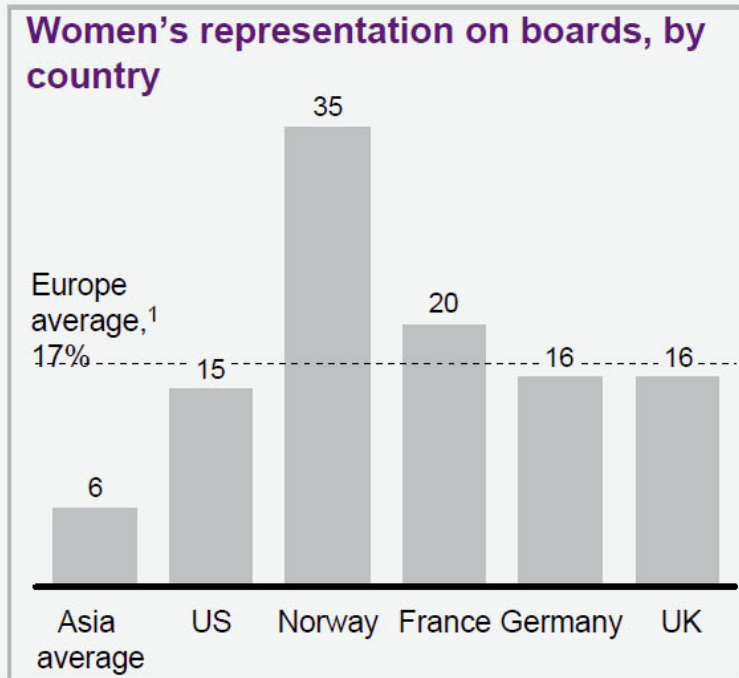


Women's leadership in Asia

Exhibit 1

Female representation in Asia compared with western markets

2011, Percent



¹ Including Sweden, Norway, UK, Belgium, Netherlands, France, Czech Republic, Italy, and Germany, some of which are not shown on this chart

SOURCE: McKinsey proprietary database, 2011; annual reports

Women's leadership in Asia

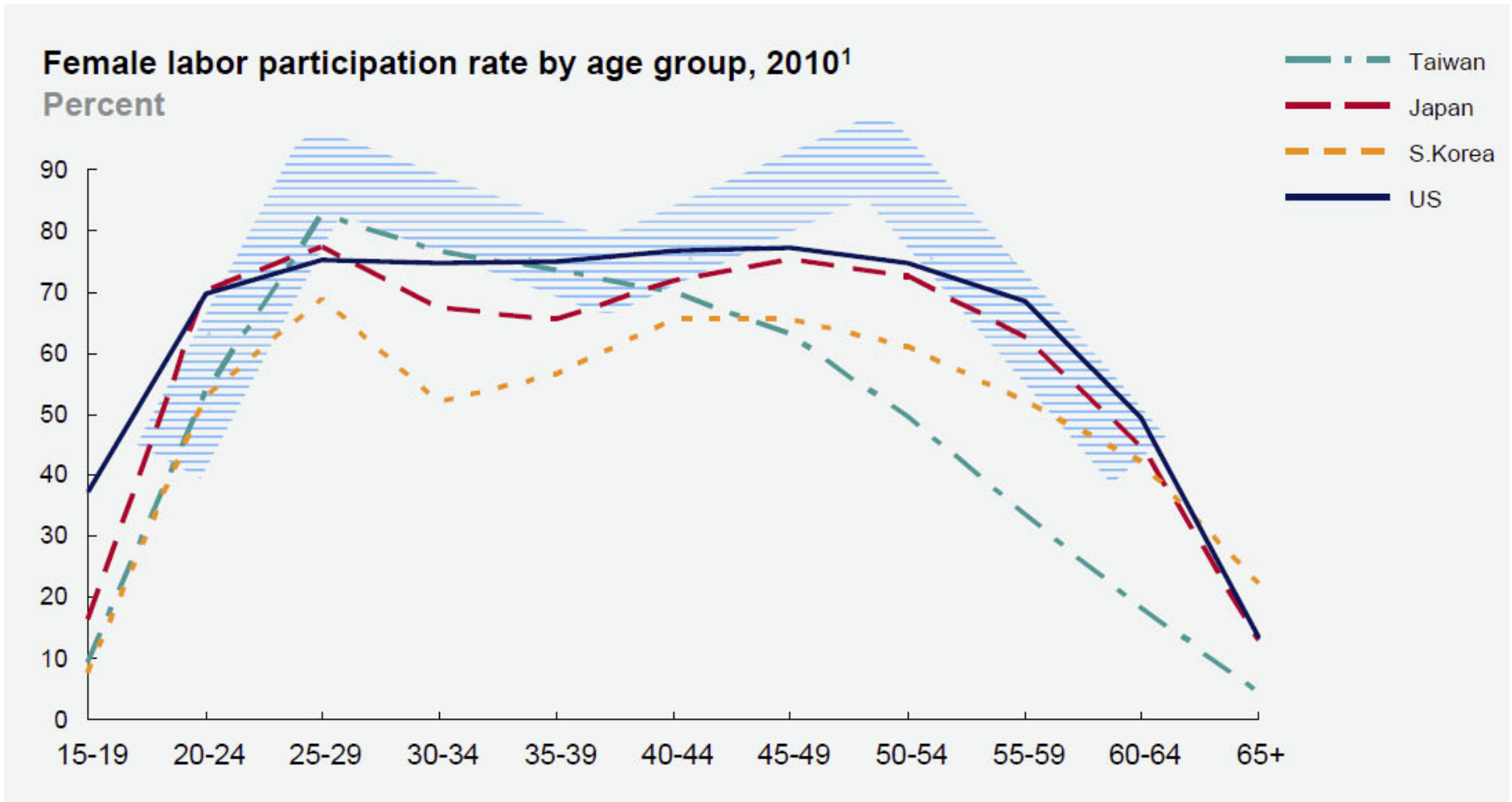
Exhibit 2

Variations in the proportion of women in top positions across Asia
2011, Percent



SOURCE: McKinsey proprietary database, 2011; annual reports; company websites

The M-curve in female labour participation rate



Key Barrier of Career Development

Exhibit 10

Lack of pro-family public policies a key barrier in Asia

Top 5 barriers in Asia

- 1 “Double burden” syndrome (women balancing work and domestic responsibilities)
- 2 “Anytime, anywhere” performance model
- 3 Lack of pro-family public policies or support services (e.g., child care)**
- 4 Absence of female role models
- 5 Women’s reluctance to promote themselves

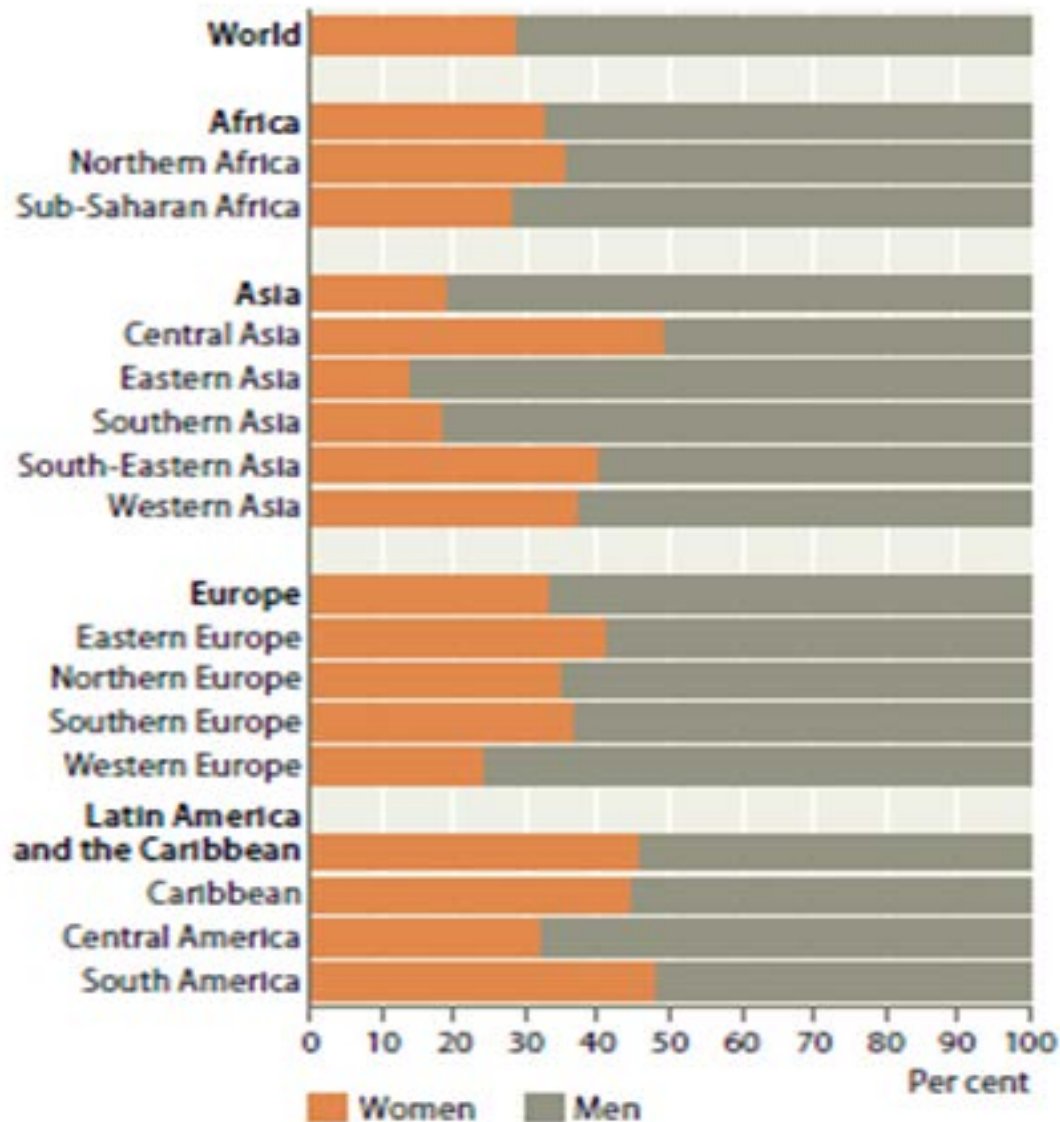
Top 5 barriers in Europe

- 1 “Double burden” syndrome (women balancing work and domestic responsibilities)
- 2 “Anytime, anywhere” performance model
- 3 Women’s reluctance to promote themselves
- 4 Absence of female role models
- 5 Women’s tendency to network less effectively than men

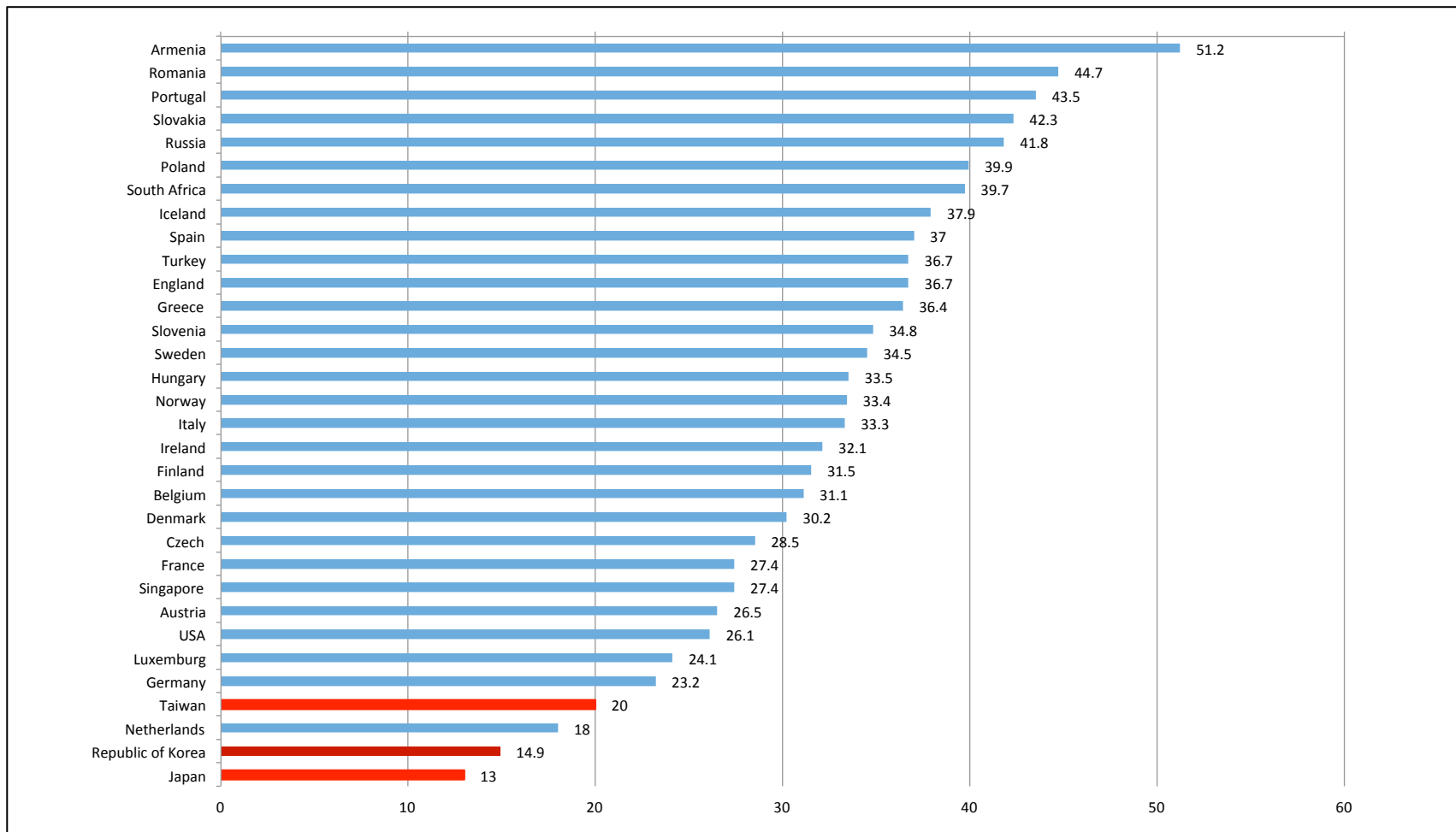
SOURCE: Women Matter: An Asian Perspective, 2012; Women Matter 2010

Diverse R&D Status in Asia Pacific region

Women's share of total number of researchers by region (2007)

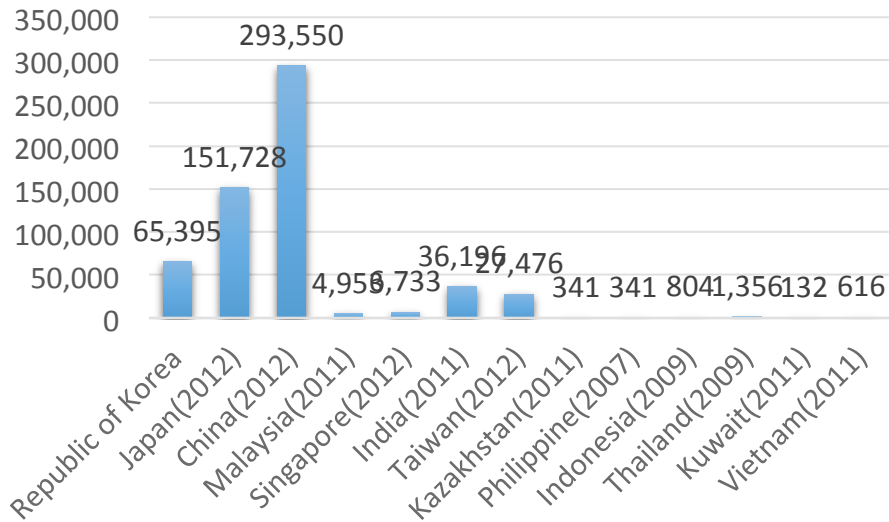


Female R&D Participation Rates of OECD

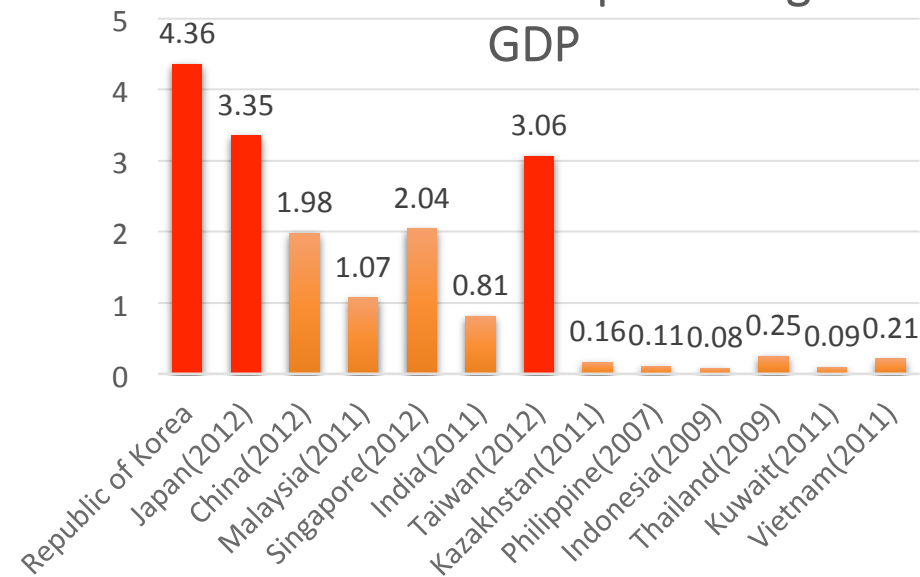


1. All dates except that of the United States are sourced from OECD Science and Technology Indicators, December 2009. Data of Slovakia, Iceland and Czech Republic (2008), South Africa, Italy, France (2006), Greece, The Netherlands (2005), Others (2007).
2. In case of the United States, the percentage of female scientists is sourced from the National Science Foundation Network.♪

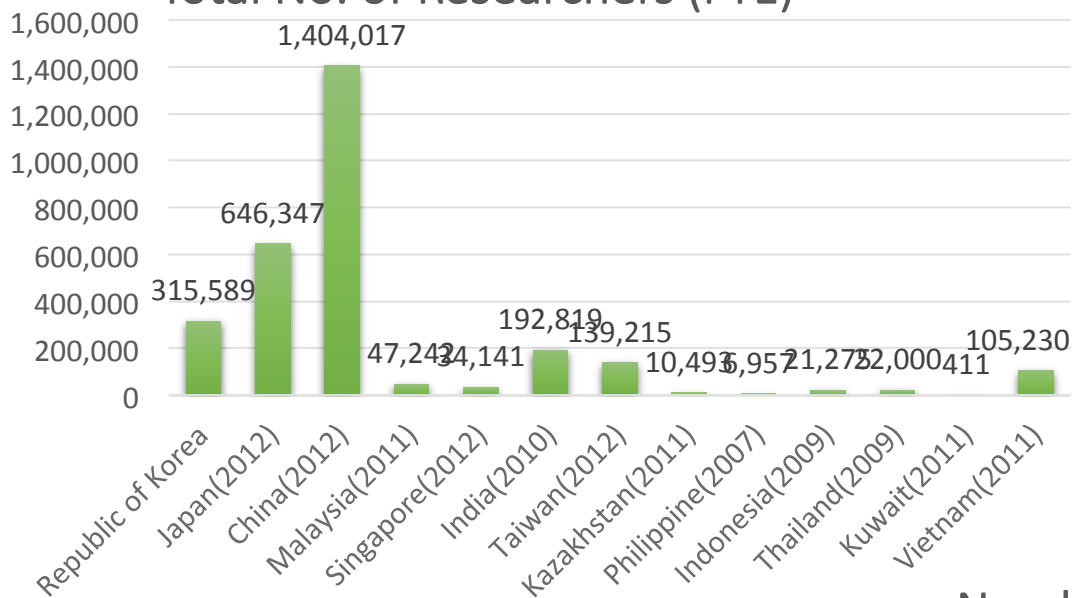
Total R&D Volume (Million US Dollars)



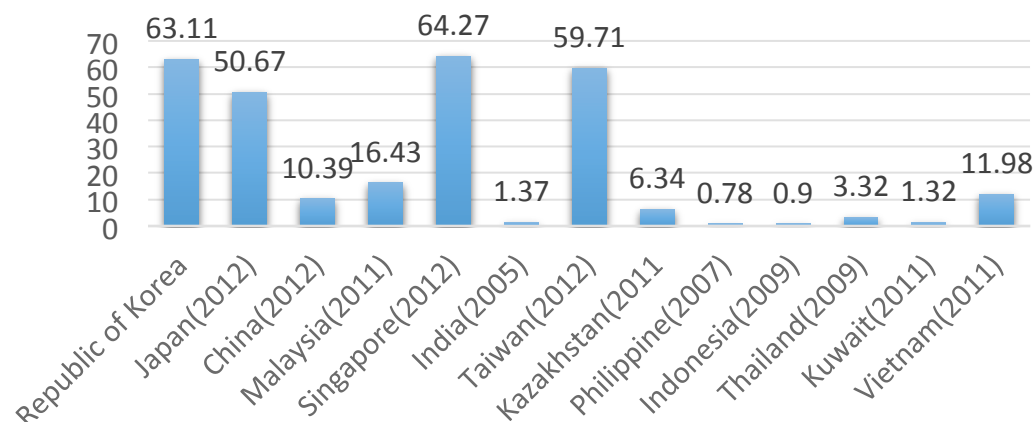
Total R&D Funds as percentage of GDP



Total No. of Researchers (FTE)



Number of researches per population 10,000 (FTE)



Participation Rate of Education Sector in Asian Region

Region	Nations	Bachelor's students		Doctoral Students		Researchers	
		W	M	W	M	W	M
East Asia and the Pacific	Myanmar	57	43	80	20	86	14
	Vietnam	58	42	18	82	43	57
	Malaysia	57	43	45	55	49	51
	Indonesia	49	51	41	59	31	69
	Singapore	51	49	39	61	30	70
	Thailand	59	41	52	48	51	49
	Philippines	55	45	61	39	52	48
	New Zealand	60	40	51	49	52	48
	China, Macao	51	49	32	68	38	62
	Japan	43	57	33	67	14	86
Korea, REP.	40	60	38	62	17	83	
South and West Asia	Sri Lanka	63	37	41	59	37	63
	Pakistan	48	52	29	71	27	73
	Iran, Islamic REP.	53	47	38	62	27	73
	Nepal	42	58	11	89	8	92
Central Asia	Mongolia	59	41	60	40	49	51
	Georgia	56	44	59	41	53	47
	Kazakhstan	58	42	62	38	50	50
	Uzbekistan	39	61	43	57	41	59
	Azerbaijan	46	54	48	52	52	48

주 : W(여성), M(남성)

Source: Women in Science (http://www.uis.unesco.org/_LAYOUTS/UNESCO/women-in-science/index.html#overview!lang=en)



Gender Summit Asia Pacific: Agenda & Program

Develop Agenda of GS-AP

- *Gendered Innovation Forum founded by WISET and KITEP*
- *FGI: Focused group interviews with scientists from Academia, Research Institutes, Business*
 - *Experts Group Meetings*

Aim:

- 1) Find out the status of GI of among Korean scientists
- 2) Sensitise them to the issues and values of GI
- 3) Develop Agenda of GS-AP

Promotion of Gendered Innovations in Korea

• Gendered Innovation Forum

- Founded by WISSET & KISTEP, June 2014 (meets bi-monthly)
- Attracts many Korean male and female opinion leaders
- Focus: policy, connecting academies, research institutes & business

Women's Health • Gendered Innovation Research Center

to be opened in the National Medical Centre (Korea's Main Public Health Body) by its first female President M.Y. Ahn, after she spoke at the GI Forum



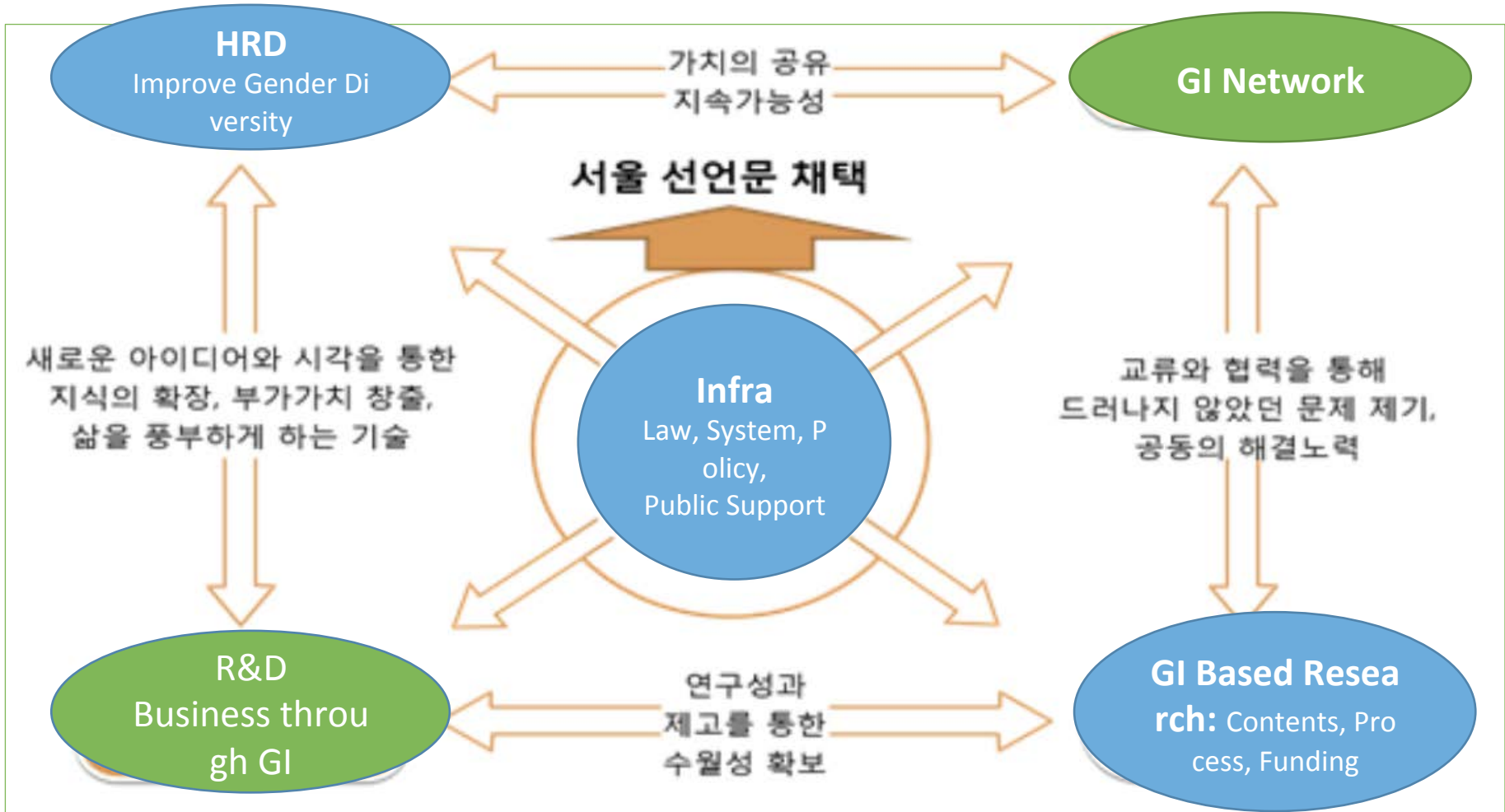
KOFWST GI Research Forum

Launched Feb. 2015

- Biweekly meetings of researchers from different STEM fields
- E.g bioscience, nutrition, engineering & medicine
- By revisiting their research in gender sense and collaborating each other, they find new research problems and the group getting bigger



Agenda of GS-AP



GS-AP Objectives and Partners

- Understanding of incorporating sex and gender with research and innovation;
- Communities of experts address scientific and social challenges through gendered innovations in research and development;
- Promote a more creative research and innovation ecosystem by including the gender dimension in research methods, funding policy, review process and institutional structures;
- regional networking in research and human capital development through greater gender diversity;
- connecting gender issues and the best available technology, to improve quality of life in the Asia-Pacific.

Main Theme and Plenary Sessions

Better Science & Technology for Creative Economy: Enhancing Societal Impact through Gendered Innovations in Research, Development and Business

- Plenary I : Pursuing Excellence in Research through Gendered Innovations
- Plenary II : Developing Policies to Promote Gender Based Research and Innovations
- Plenary III : Developing Policies and Partnerships to Improve Gender Diversity in STEMM
- Plenary IV : Building Public Aspirations for Socioeconomic Improvement through Gender Based technologies
- Plenary V : Developing leadership Capacity for Gendered Innovations through Scientific Networks

Program Highlights

Pre-Summit	Summit		
08/26 (Wed)	08/27 (Thur)		
08/28 (Fri)			
Registration	Opening Ceremony (Welcome Speech)		Keynote Speech 2
			Keynote Speech 3
Conference	Keynote Speech 1		Break Time
1. Improving Diversity of ST EMM Talents: K-12 Programmes	Plenary 1 Pursuing Excellence in Research through Gendered Innovations		Plenary 3 Developing Policies & Partnerships to Improve Gender Diversity in STEMM
2. Gender Based Curriculum Innovations at College & Graduate Level	Lunch		Lunch
	Plenary 2 Developing Policies to Promote Gender- Based Research and Innovations		Plenary 4 Building Public Aspirations for Socioeconomic Improvement through Gender-Based Technologies
Workshop	Parallel Sessions		
1. 11 th AASSA Regional Workshop on Gender Issues in Science Research & Education	I	II	III
2. Research Workshop on Gendered Innovation in Engineering, Technology and Industry			
			Plenary 5 Developing Leadership Capacity for Gendered Innovations through Scientific Networks
			Adoption of the Seoul Declaration Closing Ceremony

Over 40 Invited Speakers

Keynote speakers include:



Choi Yanghee
Minister of Science, ICT & Future Planning
Republic of Korea



Geraldine Richmond
Presidential Chair in Science
University of Oregon, U.S.A.

Plenary Speakers include:



Londa Schiebinger
Director, EU/US Gendered Innovations in
Science, Health & Medicine, Engineering,
& Environment project
Stanford University, U.S.A.



Weihua Gong
Transplant International
Research Center
Zhejiang University, Hangzhou, China



Elizabeth Pollitzer
Gender Summit
Co-founder and Director of Portia, UK



Yuko Harayama
Executive Member
Council for ST Policy,
Cabinet Office of Japan



Krishan Lal,
President of AASSA, India



Fahima Aziz
Vice Chancellor of the Asian University
for Women, Bangladesh

Invited Speakers

- **Kang Sung Mo, President of KAIST**
- **Minister of Gender Equality and Family, Republic of Korea (invited)**
- **Highness Hoda bint Mohamed Al-Ameel, Rector, PNU, Saudi Arabia (Invited)**
- **Dr. Hershel Raff, APS, Chair of the Publication Committee (Invited)**
- **Bung Joo Min, Congress women**
- **In Sook Park, Congress women**
- **Dr. Fahima Aziz, President of AUW, Bangladesh**
- **Sung Chang Mo, President of Green Technology Center**
- **Dr. Sahana Sarma, McKinsey,**
- **Professor Mikiko Ishikawa**
- **Professor Hee Young Paik**
- **Professor Jun Kim, NRF**
- **Young Suk Chi, CEO, Elsevier(invited)**
- **Robert Madelin(invited)**
- **Jun Sik Lee, Chair of Committee of Engineering Education Innovations, Professor of Seoul National University**

- **Curt Rice, Vice President of University Tromso, Norway**
- **Prof. Miyaura, vice-president of Tokyo University of Agriculture and Technology**
- **Leicht-Scholten, Head of Department, Gender and Diversity in Engineering (GDE), Faculty of Civil Engineering, [Technical University RWTH Aachen](#), Germany.**
- **Claudia Sussmuth-Dyckerhoff(invited), Director in McKinsey in China, Writer of Women Matter: An Asian Perspective**
- **Professor Martina Schraudner, Technische Uni. Berlin, Director, Fraunhofer-Gesellschaft**
- **Professor A. Linder, Sweden**
- **Dr. Venkataraman, ADB(VIDEO Presentation)**
- **Britta Thomsen, Member of European Parliament,**
- **Gretchen Kalonji, Previous ADG UNESCO**
- **Dr. Joerg Muller, Director of the GenPORT**
- **Delegates from Vietnam, Taiwan, Singapore, Myanmar, Cambodia, Laos, Indonesia**
- **Delegate from NFRC, ARC, JSPS**

Plan your Stay in Seoul August 26-28





COURTESY SEO HEUN KANG



Thank you
감사합니다.