Effective Policies for Supporting Education and Employment of Women in Science and Technology: Case of Korea

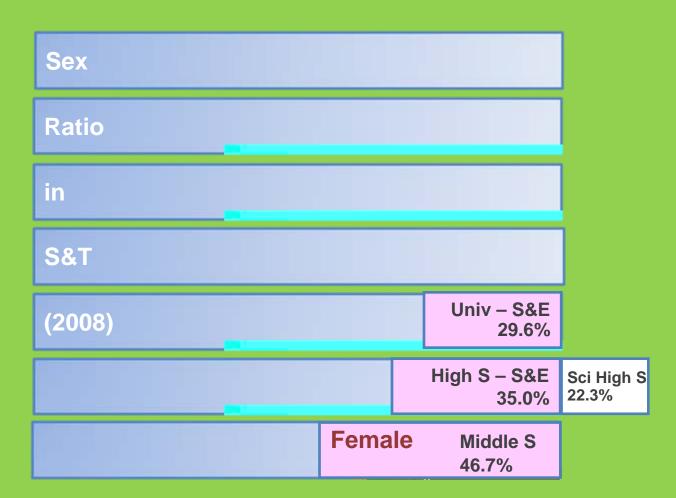
Kong-Ju-Bock Lee National Institute for Supporting Women in S&T Ewha Womans University

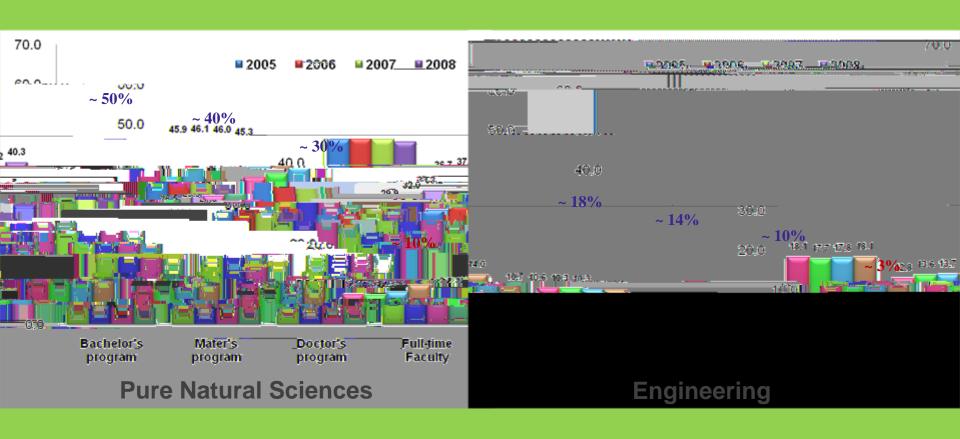


Introduction : Women Resources in S&T, KOREA

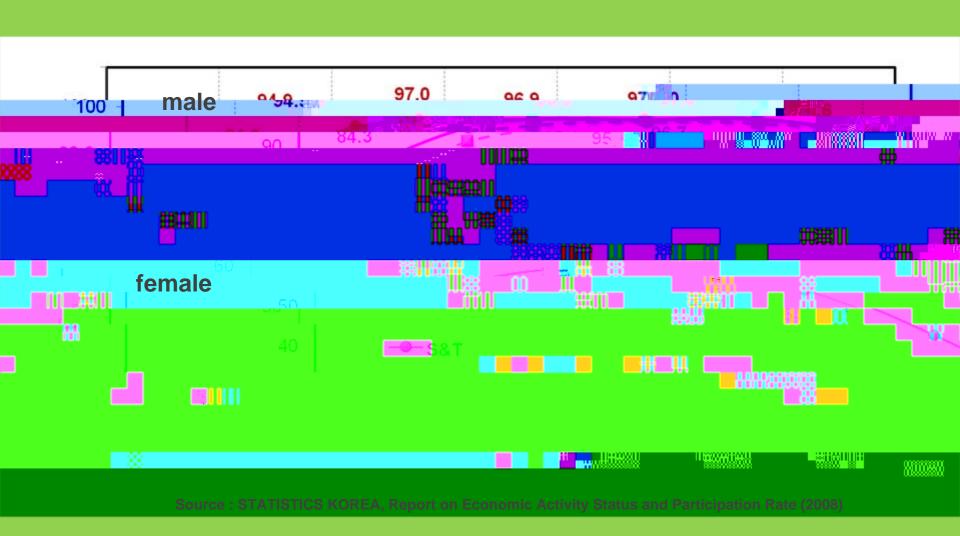
Key Policies and Outcome

Proposals for Effective Policies and Programs





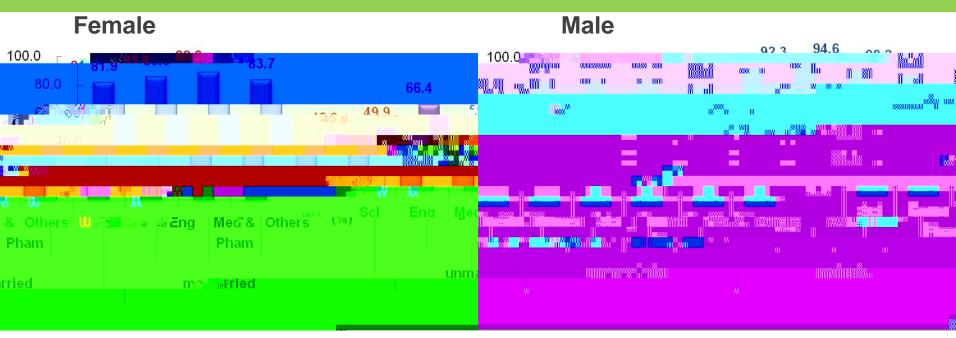
[Ratio changes of women in S&T at academia]



[Economic Activity Participation Rate]

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Source: STATISTICS KOREA, Report on Economic Activity Status and Participation Rate (2008)

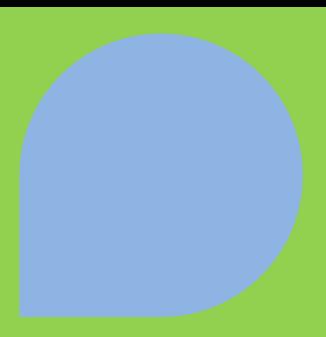
[Economic Activity Participation Rates of (un)married by major]



Introduction : Women Resources in S&T, KOREA



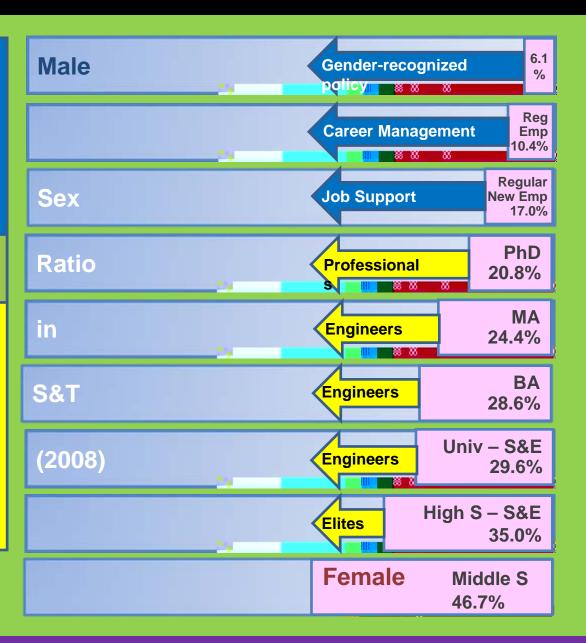
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- Recruitment Target System (RTS)
- Promotion Target System (PTS)
- Officer in Charge of WSE
- Childcare Center
- Research Funds Exclusively for Women Scientists and Engineers
- ISWIST (2004 ~)

Legal action center: Policy research, Training, Information Hub, Supporting NGO's activity, WISTFIT project...

- WISE Program (2001 ~)
 On/Off Line Mentoring
- WIE Project (2006 ~)
 Leading University of engineering education for women
- •WATCH21 program (2004 ~)
 R&E program at engineering research lab



Stage Program	Elementary School	Middle School	High School	College	Graduate School	Unemployed	Employed	Retired
Education/ Training/ Mentoring		 Mentoring Visiting Lab Sci Camp Mathematics- Research Conference 	 Mentoring S&E Research Camp S&E Research Conference R&E Program 	 Mentoring International S&E Camp R&E Program Gender Recognized Edu. 	 R&E Program Leadership T. Communication Training New Research Technique T. 	 Job Training (SC, LM, PS) Leadership T. Communication Training New Research Technique T. 	 Mentoring Leadership T. Communication Training New Research Technique T. 	
Career Development /Retention								

Objective	Key Policy	Outcome		
Education	WISE Women Into Science and Engineering	1,300 mentor-mentee pairs ('07)35,000 girls participated in WISE programs ('07)		
	WIE Women In Engineering	 52 new courses developed and 53 improved ('06-'08) Employment rate of women: 66.1%('06)à 76.8%('08) Satisfaction: more than 80% of participants 		
	WATCH21 Women's Academy for Technology Changer in the 21 Century	 315 teams and 2,238 female students participated ('04-'09) Satisfaction: more than 90% of participants 		
	Recruitment Target S.	 Rate of women recruits in institutes: 18.2%('03)à 26.6%('09) Rate of women faculty recruits: 5.2%('03)à 6.5%('05) 		
	Promotion Target S. (recommended)	Not measuable		
Employment,	Designation of Officer in charge of WSE	High synergy with WIST-FIT project of ISWIST Best practice of WIST-FIT is from the organization with active Office in charge of WSE		
Retention	Research Funds exclusively for WSE	•Budget: US\$2.5('00)à US\$15.7('10) •Ratio of women project-managers: 6%('03)à 14%('09)		
	Childcare Center at S&T Research Complex	•300 babies and toddlers, open 7:30~22:30 •WSE from 37 institutes are using.		
	ISWIST Institute for Supporting Women in Science and Technology	 40 policy-related research reports and proposals 10,000 WSE trained/70% of job trainees are working 25,000 WSE DB Tens of programs developed 		
NIS WIST		- 11 - UNESCO Paris France		

Introduction : Women Resources in S&T, KOREA

Key Policies and Outcome

Proposals for Effective Policies and Programs

Recruitment Target System • Necessary for a time • Should be run concurrently with Employment Target System and Promotion Target System • Encouraging for young scientists and engineers with exclusively for Women Scientists and Engineers

S&T

college of engineering

other S&T Research Complex.

and engineers

merging 3W projects.

Effective Policies/Projects/Programs

: Leading university of engineering-education for

Childcare Center at S&T Research Complex

On/Off-line Mentoring Program

WIE Project

women students

ISWIST

Comment

Highly recommended in all stages of a woman's life in

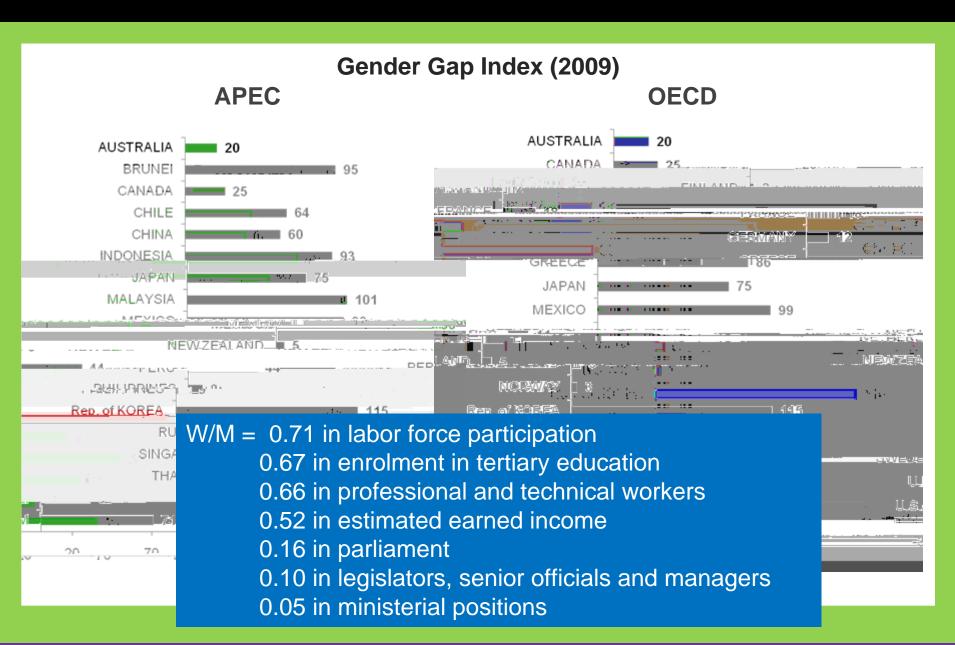
Need to disseminate the developed programs to other

A strong needs exists to build new nursery schools at

Action center for monitoring, steering, planning and

• A consolidated ISWIST will be launched in Jan, 2011

implementing policies and programs for women scientists



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