Gender and Development in Philippine Science, Technology and Innovation Ecosystem

Rowena Cristina L. Guevara

Social Responsibilities of Science Gender Summit 10, May 26, 2017

Tokyo

Outline

- Introduction
- Factsheet on Filipino Men and Women
- Human Resource Development (HRD) for Science, Technology and Innovation (STI)
- Social Responsibilities of Science

President Corazon Aquino First woman President of the Philippines (1986)



President Gloria Macapagal-Arroyo Second woman President of the Philippines (2000)

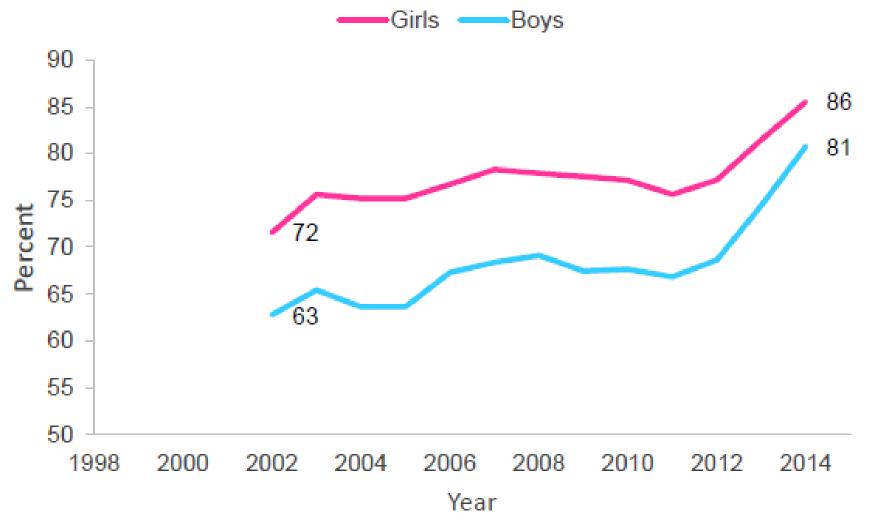


Sources: content.time.com, www.charleskeng.com, kahelkuting.blogspot.com

Seven (7) National Mandates

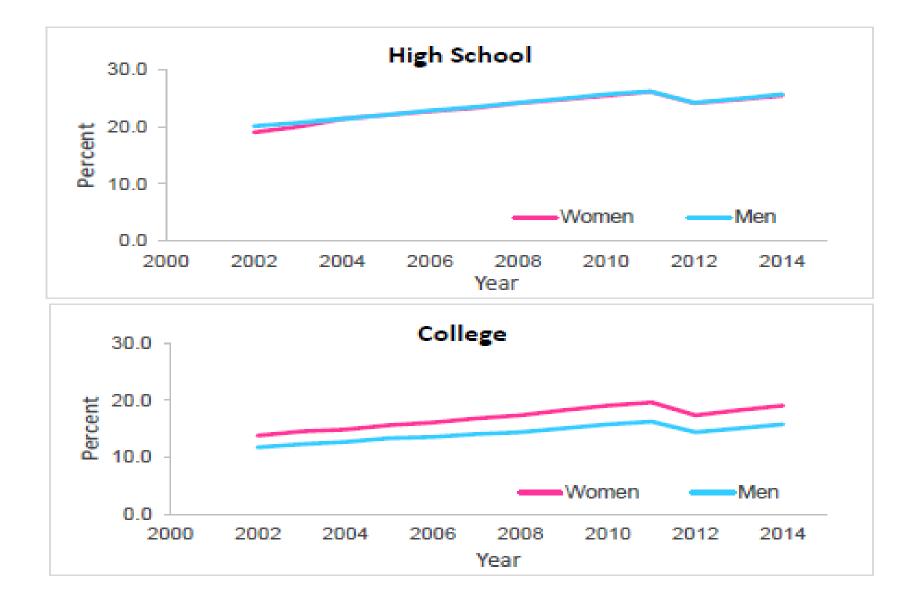
- 1. 1987 Philippine Constitution Section 14, Article II
- 2. Republic Act 6949 or National Women's Month
- 3. RA 7192 or the Women in Development and Nation Building Act
- 4. Executive Order 273 Philippine Plan for Gender Responsive Development (PPGD), 1995-2025
- 5. General Appropriations Act (GAA)
- R.A. 9710 "Magna Carta of Women" August 14, 2009
- 7. PCW Memorandum Circular 2011-01
- 8. Joint Circular No. 2012-01 of DBM, NEDA and PCW

Elementary Completion Rate 2002-2014



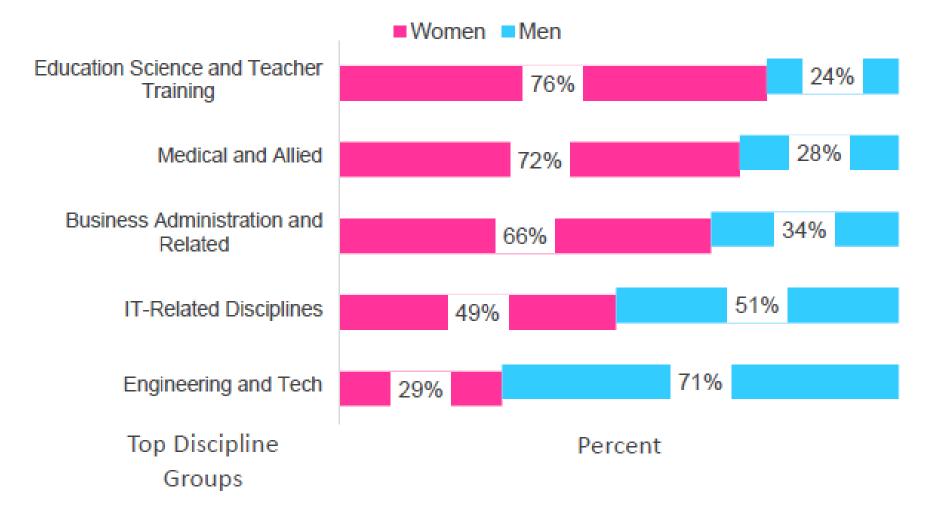
Source :Basic Education Information System (BEIS), Department of Education Note: No data for 2000-2001

Educational Attainment of Women and Men



Source: Labor Force Survey

Proportion of Graduate Women and Men by Top Discipline Groups AY 2013-2014



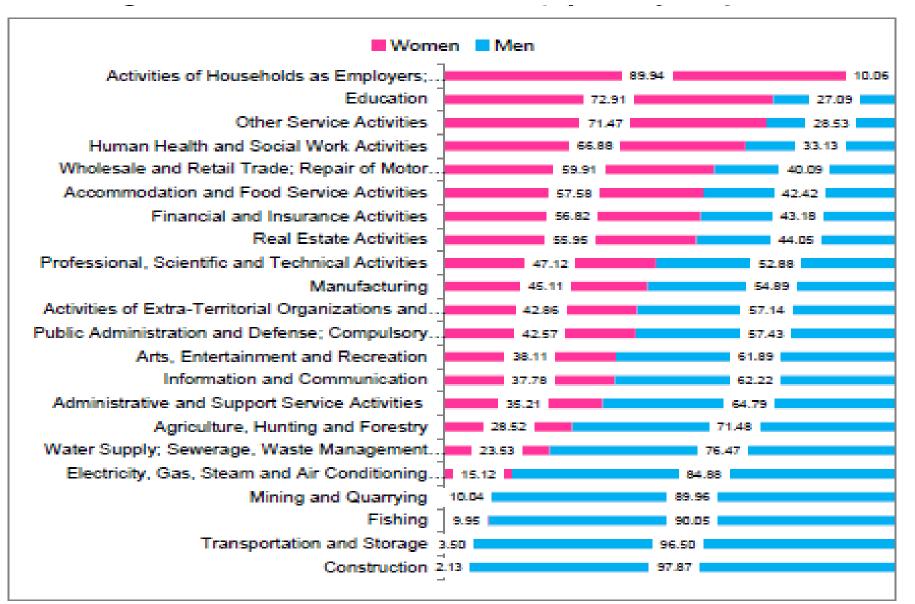
Source: Commission on Higher Education

Distribution of Women and Men, by Occupation Group (2014)

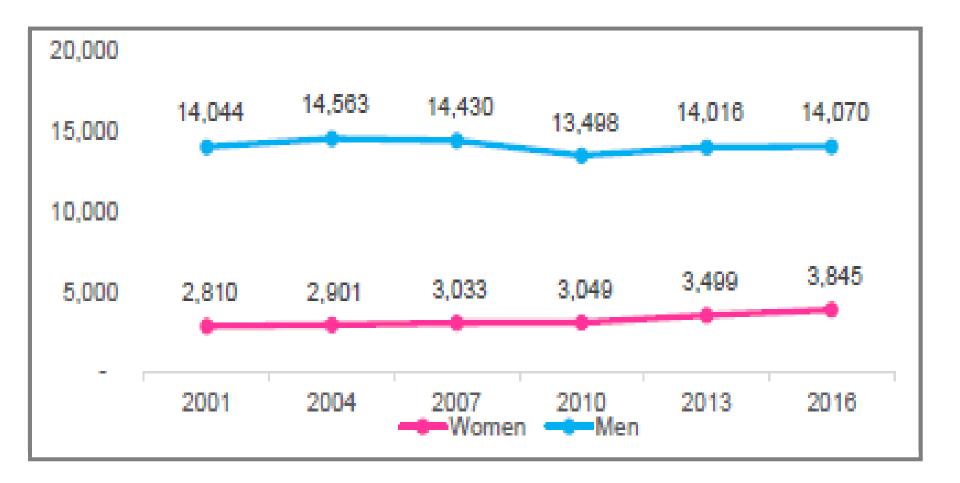


Source: Philippine Statistics Authority

Distribution of Women and Men, by Industry (2014)



Total Number of Elected Positions by Positions and Sex



Source: Commission on Election

Number of Judges, by Sex (2000 to 2015)



ERDT Program Leaders and UP College of Engineering Deans (2004 to present)

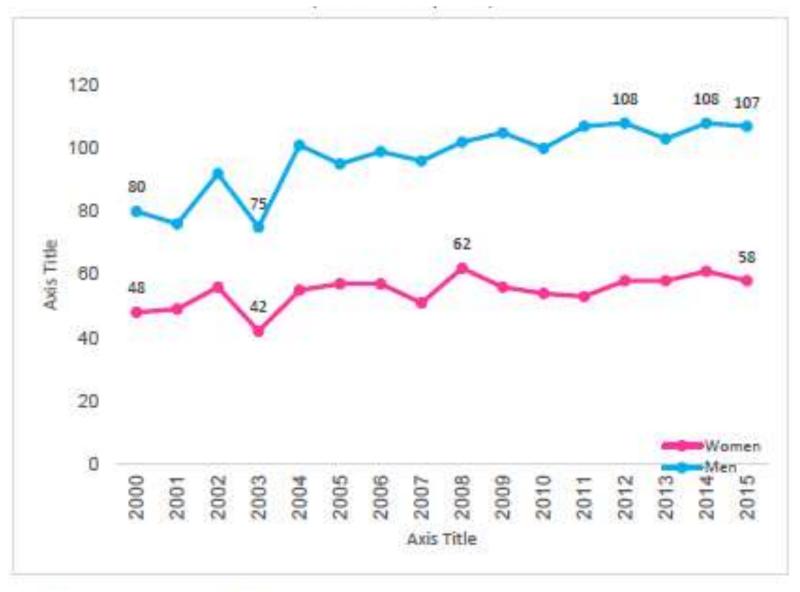


Average Annual Income, Expenditures and Savings (in pesos), by Sex of Household Head

	2000		2003		2006		2009	
Item	Women	Men	Women	Men	Women	Men	Women	Men
	Amount	Amount	Amount	Amount	Amount	Amount	Amount	Amount
Average Annual Income	86,703	85,144	98,091	91,769	197,629	167,013	91,769	100.0
Average Annual Expenditure	71,350	73,228	81,489	80,322	164,240	143,262	80,322	87.5
Average Annual Savings	15,354	11,916	16,602	11,448	33,390	23,750	11,448	12.5

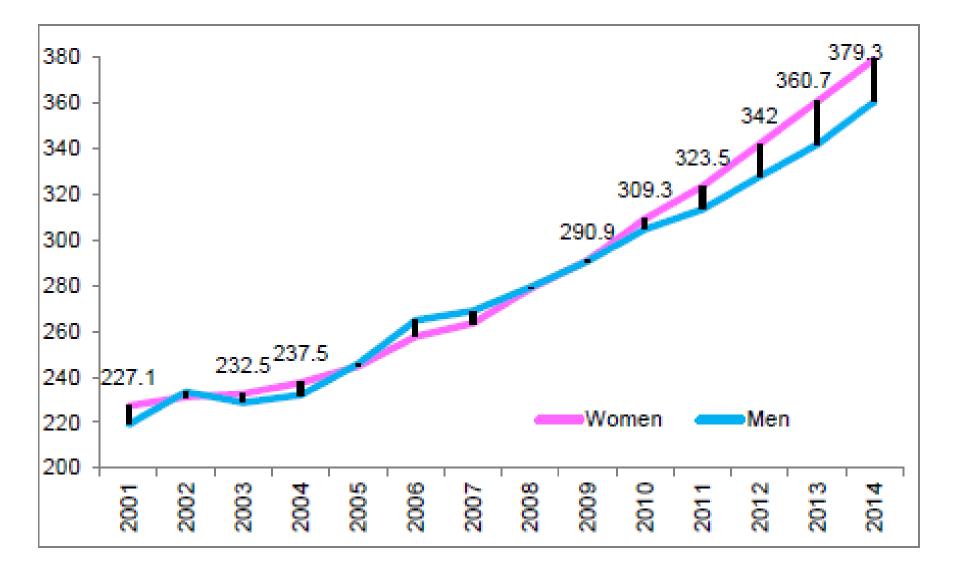
	20	12	2015		
ltem	Women	Men	Women	Men	
	Amount	Amount	Amount	Amount	
Average Annual Income	86,703	85,144	98,091	91,769	
Average Annual Expenditure	71,350	73,228	81,489	80,322	
Average Annual Savings	15,354	11,916	16,602	11,448	

Average Remittance per Overseas Filipino Worker in thousand pesos (2000 to 2015)



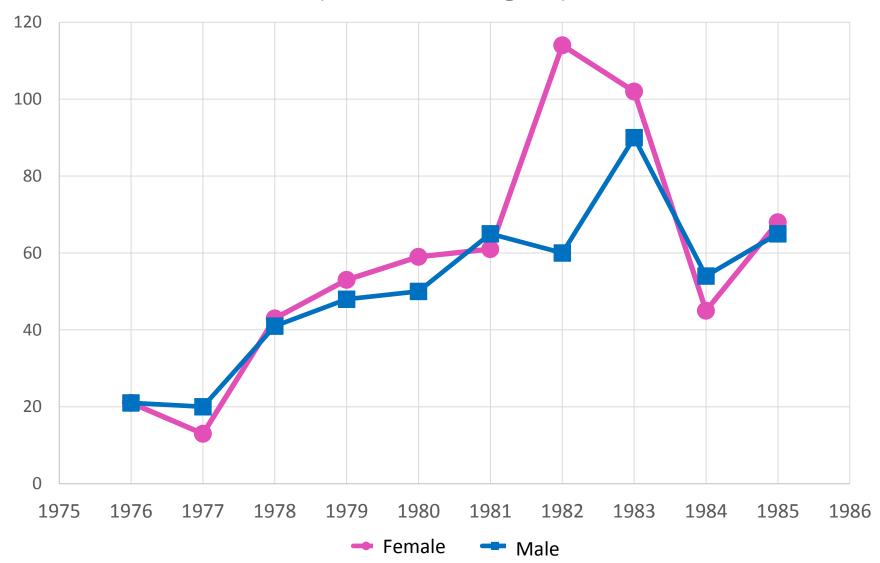
Source: Philippine Statistics Authority

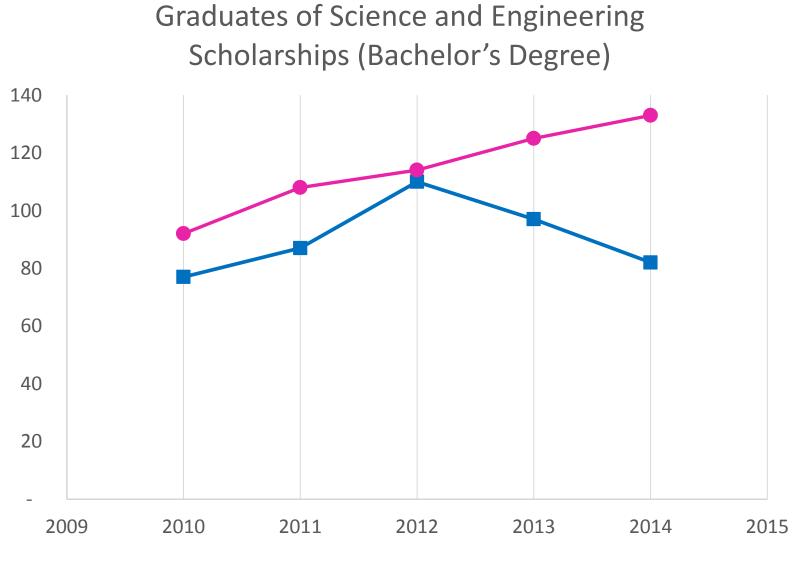
Average Wages of Women and Men (2000 to 2014)



Source: Philippine Statistics Authority

Graduates of Science and Engineering Scholarships (Bachelor's Degree)

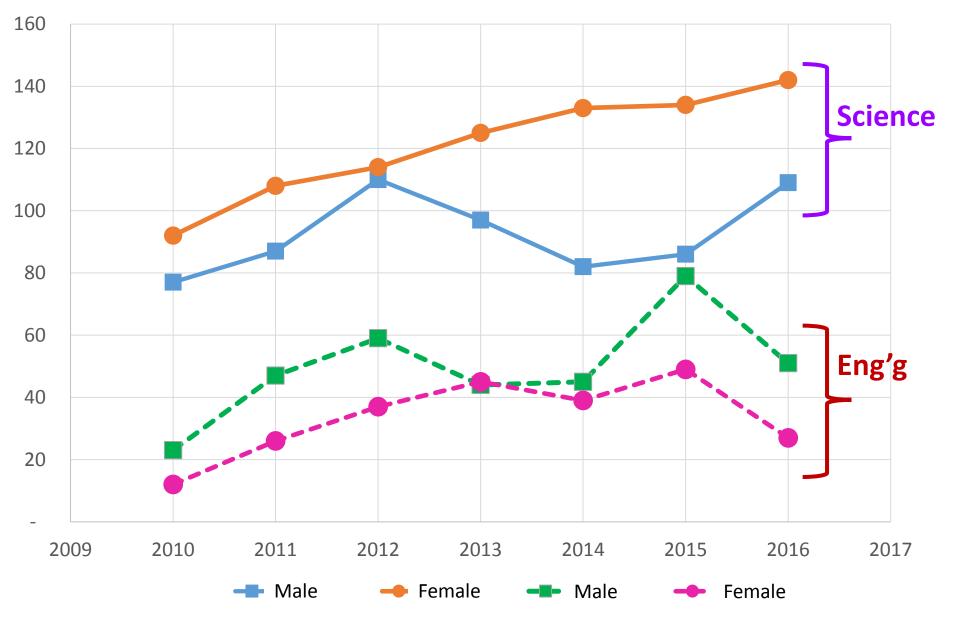




Male

Female

Graduates of MS in Science and Engineering Scholarship



DOST R&D Project Leaders

Sectors	2008	2009	2010	2011	2012	2013	2014	2015	2016	
	9	6	7	11	25	14	12	13	3	
BASIC Research	18	26	14	10	28	22	24	20	11	63.37 %
Agriculture, Aquatic and Natural	101	100	76	91	80	127	165	128	116	
	102	132	117	94	94	125	164	147	113	52.51%
	1	6	12	13	6	8	11	12	17	
Health	2	2	7	8	5	6	5	9	10	38.57 %
Industry, Energy and Emerging	68	113	122	144	64	93	137	101	101	
	43	89	123	96	77	68	95	70	63	43.43%
	36	25	13	31	31	22	6	5	20	
Others	47	26	30	19	36	24	8	9	13	52.87%
	215	250	230	290	206	264	331	259	257	
Overall	212	275	291	227	240	245	296	255	210	49.44%

Legend: MALE, FEMALE

Gender mainstreaming in R&D







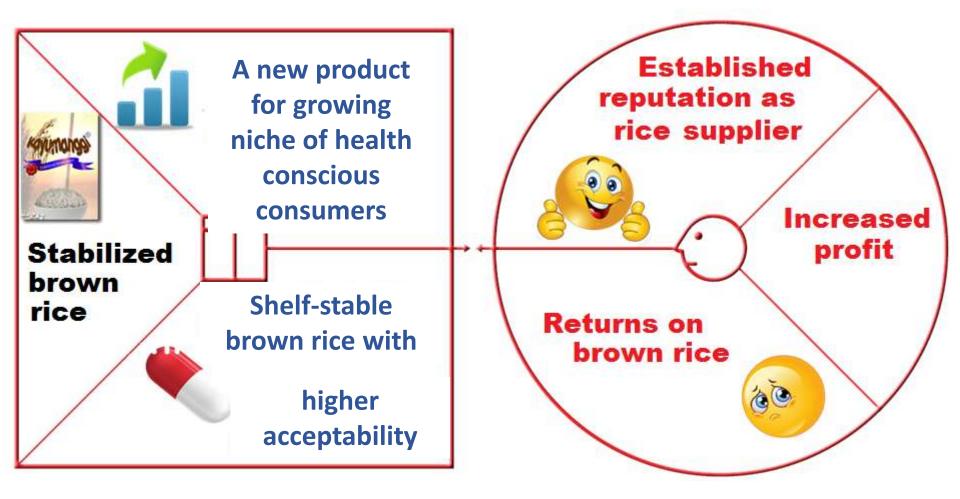




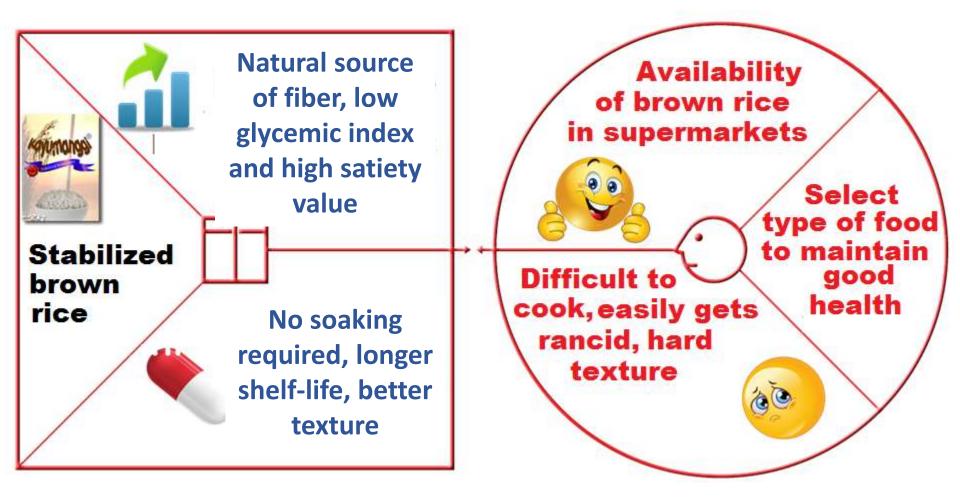
STABILIZED BROWN RICE = Healthy Food CHOICE + Business Opportunity

Engr. Rosemarie G. Garcia Department of Science & Technology Food and Nutrition Research Institute

VALUE PROPOSITION (Primary customers)



VALUE PROPOSITION (Secondary customers)



Stabilized brown rice is now in the market!!







ADAMSON UNIVERSITY



NATURAL Treatment
> Odor − FREE
> LOW Cost

- MINIMIZE Power
- NO ADDITIONAL Equipment
- NO SKILLED Manpower
- INSENSITIVE to
 SHOCK LOAD and pH
 BUFFER MINERALS

Dr. Mel Palencia

BEFORE VIGORMIN

AFTER VIGORMIN

PATENT APPLICATION: August 2014

Vigormin Pilot Plant Inauguration



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