

Gender, Science, Technology and Innovation in Argentina: between facts and the mirage of equality







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National Assessment on Gender and STI

A collaborative initiative of Women in Global Science and Technology (WISAT), the Organization for Women in Science for the Developing World (OWSD), the Elsevier Foundation, and GenderInSITE (Gender in science, innovation, technology and engineering).

 What conditions are needed to facilitate women's full participation in the KS in this country?



 Is progress being made in this direction? How so? What are the results?

 What resources do women in each country need to achieve this objective?

Based on the Gender Equality – Knowledge Society (GE&KS) indicator framework

Restoration of a democratic political system in 1983.

Urban population **92%**

Mobile phone line 79% (Census, 2010).

Internet users 75% of population. 50% women

Poverty rate decreased from 5.7% in 2011to 4.3% in 2012 (ECLAC, 2013) No data for 2015.

ARGENTINA 2003-2013

HDI: 49 (World rank)

Since 1884 education has been universal, compulsory, and free of charge from pre school (4 years old) to university.

Primary school enrollment 124%

Literacy rates of youth (15-24) reached 99%.

enrollment rate women 57,5%
Among graduates,
represented 61.5%

Education budget:

+ 6% of the GDP(2003-2013)

Universities

47 public (15 in 2003-2013);

50 private

Population: **42.98 million**

•51%







Women in brief

GDI (Gender Related Development Index). Argentina ranks **46**th in the world (out of 155 countries) and third in LA (behind Chile and Uruguay).

GEM (Gender Empowerment/ possibility for women to engage in decision making), Argentina stands out at the regional and international levels, ranking **24**th out of 109 countries and being the 1st LA country.

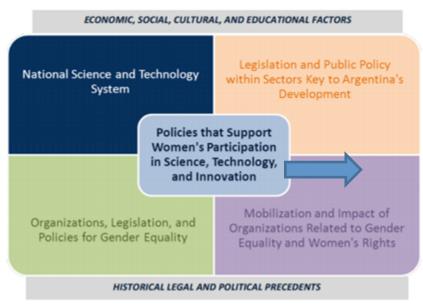
- 1991. Quota law for women political participation (30%).
- 1992. Creation of the governmental gender council.
- 1994. CEDAW acquired constitutional rank. Optional Protocol was ratified in 2007;
- 1996. Convention of Belém do Pará

- Female participation in public and private employment (urban population) 40,4%
- Women fill the majority of traditionally female positions in the fields of education, health, and service.
- Around 20% work as domestic workers.
- Women fill 34.2% of management positions (UNDP, 2011) and as little as 4% of large private companies are headed by women (ELA, 2010).
- The pay gap has been decreasing over the last decade from 34% less than men. In 2011, tto 25% (at the expense of women),

- Since 1983, the proportion of women in Congress has increased from 4.3% to 38.1% in the Lower House and from 6.5% to 36.1% in the Senate.
- Of 16 National
 Ministries,4 are headed by
 women: Culture, Industry, Social
 Development, and Security. A
 woman is the current
 President and is carrying
 out her second term.
- Maternal mortality is not even across the provinces; the indices varied between 0 and 13.3 in 2007 (Ministry of Health).

Enabling Policy Environment for the Integration of Women into the Science and Technology System

- Ministry of Science, Technology, and Productive Innovation (2007).
 S&T budget (2002-2010) + 532%
- CONICET budget: 260 million in 2003 to 2.9 billion pesos in 2013.
 50% salary increase for CONICET researchers.
- **+ fellows, researchers, and technicians**, as well as infrastructural expansion (2003: **488** scientist (-40 y.); 2012: **2156**)
- TEC TV and TECNOPOLIS
- Raices (Roots) Program (more than 1000 scientist return to Argentina)
- LAWS:
- Gender based violence (physical, psychological, sexual, economic and patrimonial, symbolic)
- Gender Identity
- Egalitarian (LGTB) marriage
- Integral sexual education



SOCIAL POLICIES & PROGRAMS:

- Universal Child Allowance (AUH), 2009.
- Law on Technical and Vocational Education.
- CONECTAR –IGUALDAD (One Laptop per Child)
- PROCREAR HOUSING PROGRAM
- PROGRESAR PROGRAM

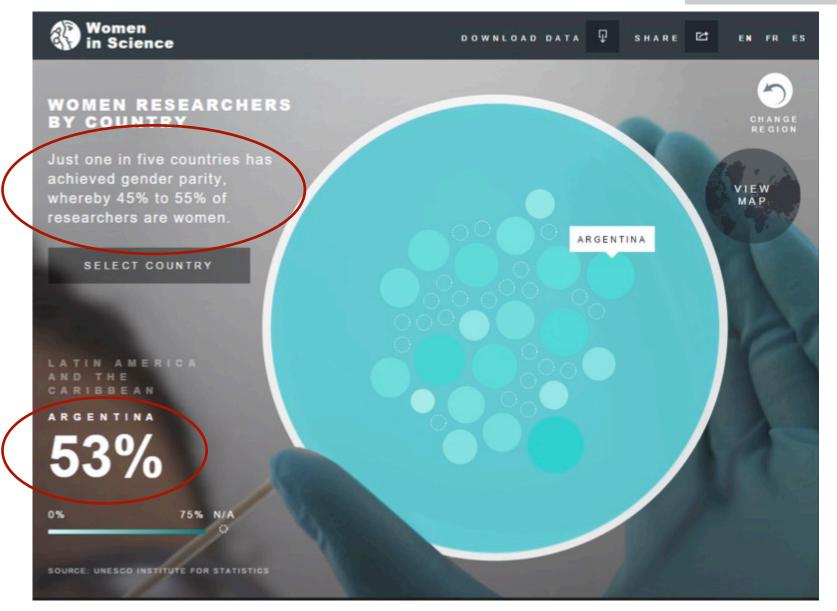
- Gender studies units in most of the universities.
- Women's NGO working against violence, trafficking and women's rights.

Argentina, 2001 and 2009: Female participation among undergraduate students by fields of education*

SCIENTIFIC AREAS*	Disciplines	20	01	2009		
SCIENTIFIC AREAS	Disciplines	Both sexes	% Women	Both sexes	% Women	
Agricultura	Agriculture, forestry and fishery	25.570	25,2	36.233	26,7	
Agriculture	Veterinary	18.479	28,7	22.877	36,6	
	44.049	26,6	59.110	31,6		
Engineering,	eering, Architecture and building		26,6	104.250	32,5	
manufacturing and construction	Engineering, manufacturing and construction	78.652	15,2	93.287	17,1	
	159.062	20,9	197.537	24,8		
	Arts	39.043	59,5	48.609	56,9	
Humanities and Arts	Humanities	55.901	57,3	64.959	58,0	
	94.944	58,4	113.568	57,5		
	Life Sciences	46.011	52,3	48.073	52,4	
	Physical sciences	13.399	45,7	17.449	46,6	
Science	Computing	88.634	26,0	81.031	19,0	
	Mathematics and statistics	7.547	60,8	10.440	59,3	
	Total	155.591	46,2	156.993	44,3	
Social sciences, business and law	Social and behavioural science	234.021	38,2	268.537	45,5	
	Business and administration	114.995	38,4	132.992	44,8	
	Law	201.273	43,5	202.991	47,5	
	Journalism and information	54.997	41,9	54.149	49,1	
Total	605.286	40,5	658.669	46,7		
Education	ation Teacher training and education science					
Total		57.436	76,0	71.123	77,1	
	Health	226.416	46,4	281.327	54,7	
Health and welfare	Social Services	22.499	73,4	24.491	76,9	
	248.915	59,9	305.818	65,8		
Services	Environmental protection	4.425	51,3	7.027	51,4	
	Security services	548	7,3	2.048	26,7	
	Transport services	556	22,1	1.497	17,2	
	Personal services	22.312	64,9	43.356	67,8	
	27.841	36,4	53.928	40,7		
	19.875		33.404			

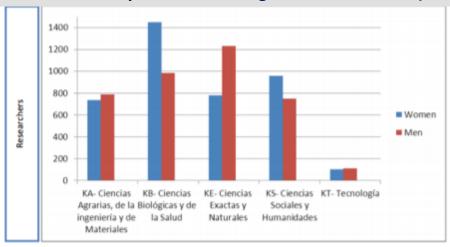
Education

Research



Research – Public sector

Researchers by Broad Knowledge Area and Gender (2013)



• In 2010, the MINCYT registered 22,839 female researchers (51%) and 21,715 male (49%).

Source: Information from December 2013. Source: CONICET Database-Human Resource Management

Researchers by category CONICET

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Categories		2000		2003		2006		2008		2013	
		Both sexes	% Women								
Leader	Superior	175	13.1	192	17.2	200	17.5	207	19.3	158	27.2
	Principal	482	27.0	508	27.8	597	29.6	698	31.7	749	36.4
	Independent	988	38.0	1,096	40.1	1,233	43.0	1,441	45.3	1,786	47.3
Not a leader	Associate	1,307	48.7	1,494	52.1	1,638	51.8	1,953	51.6	2,435	53.6
	Assistant	713	51.1	466	53.2	1,091	57.0	1,337	58.0	2,774	56.3
Total		3,665	41.7	3,756	43.6	4,759	46.5	5,636	47.9	7,143	50.9

 Inequalities persist both within different disciplines and within the highest ranking categories.

CONICET BOARD POSITIONS BY GENDER - 2009 - 2013 TABLE # 1-1								
Top Positions	2006		2009		2013			
	Women	Men	Women	Men	Women	Men		
TOTAL	1	8	3	5	2	6		
President		1	1			1		
Vice-President		1	1		1			
of Scientific Affairs								
Vice-President of Technological Affairs		1		1		1		
Directors	1	5	1	4	1	4		

Decision-Making Positions

- In 2008, for the first time since Conicet creation, one women became president of this institution.
- 2 women on the Board of Directors: the Vice-President of Scientific Affairs and the Director of Social Sciences and Humanities.

Source: www.conicet.gov.ar

Women account for a third of all employees working in the management and coordination of the MINCYT. The Department of Planning and Policy, both Scientific Advisory Committees, the Committee of Ethics, the National Directorate of International Relations, and the Secretariat of Administrative Coordination are all run by women.

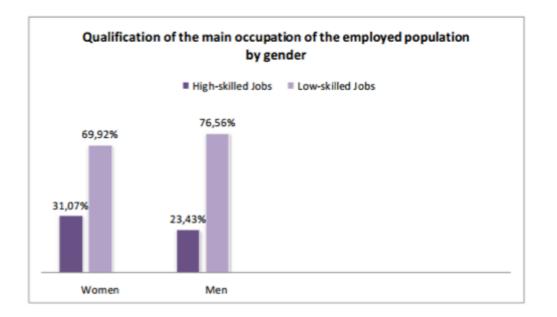
One National Academy of Science (that of Economic Sciences) is headed by a woman.

53 national universities: 8 female rectors; vice-rectors: of 47, only 9 are women.

37.7% of university deans are women (88 of 233 available positions). The representation of each sex in the total national university faculty body is practically equal.

Senior positions: only 37.4% of **full professors** are women while this situation is reversed for junior positions.

Private sector



Men comprise the majority of the personnel in the Information and Communication sector **72.76% men vs. 27.23% women**.

Men fill **53% and women 47% of positions of "Professional" rank**, while in n the "Technical" rank (50% and 50%).

Policies 2003-2013

- Maternity Leave (including monoparental families, adoption and people with different sexual orientations): 100 days of leave for both entry-level researchers and those promoted to higher positions. This regulation also provides mothers with the possibility of deferring the productivity report without penalties..
- Age limits for entering research council: extension of application age limits for researchers who
 have had children.
- Other Regulations: medical coverage associated with fellowships; day care facilities in some science centers (they have not yet been established across the Council's entire network).

Mirage of the equality



Privileges vs. Rights

GenderInSITE

América Latina y el Caribe

http://genderinsite.net/ http://catunescomujer.org/gisalc/

