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Introduction & Context: Gender Equality in S&T Legal – policy: Women of all ages have the right to enjoy the benefits of scientific progress and its applications, which includes (a) access without discrimination to the benefits of science and its application, including scientific knowledge; (b) opportunities to contribute to the scientific enterprise and freedom indispensable for scientific research; (c) participation in decision-making and the related right to information; (d) And an enabling environment fostering the conservation, development and diffusion of science and technology (S&T).











	Female % of total	Male %
ETHZ (all departments)		
Ph.D.	31%	69%
Postdoc	28%	72%
Oberassistent	25%	75%
Senior Scientist	15%	85%
Full Professor	11%	89%
UniBe (fakult. PhilNat.)		
Ph.D. (abschl)	39%	61%
Postdoc	N/A	N/A
Unterer Mittelbau	36%	64%
Oberer Mittelbau	22%	78%
Full Professor	8%	92%
UniGe (Faculte des Science)		
Ph.D.	44%	56%
Postdoctorant-e	32%	68%
Coll.enseignement et recherche	33%	67%
Professeur-e ordinaire	7%	93%
UniZ		
Ph.D.	52%	48%
Postdoc	N/A	N/A
Mittelbau	43%	57%
Ordentlicher Professor	15%	85%



1. Introduction & Context: Gender Equality in S&T

Eliminating gender discrimination in access, use and control of <u>S&T</u> incorporates three main aspects:

- 1. the participation of women and girls in S&T education and employment;
- 2. their access to and use of technology;
- 3. and the need to integrate a gender dimension into research content and product design.

To this end, all necessary frameworks, including legal, policy and programme frameworks at national level, as well as measures at the institutional level, are to be promoted, including addressing the issues of recruitment, retention, promotion and recognition of women in S&T employment as well as integration of a gender dimension into S&T research.

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2. Key findings from mapping and analysis

- Fostering structural change
- Leadership involvement is vital, but few measures specifically target leaders
- Working environment and work-life balance: some promising measures specific to research careers (e.g. grant extension/relief from teaching after parental leave, dual-career)
- Although researcher mobility is crucial for the ERA, very few national initiatives exist that address gendered challenges
- Gender equality monitoring, through appropriate quantitative and qualitative indicators is an important instrument in ensuring the long-term, sustainable and effective institutionalisation of gender equality at an institutional level

25.01.2017, Olga Vinogradova

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Factors that contribute structural change:

- Systematic awareness raising and capacity-building concerning gender stereotypes is crucial.
- Targeting change in mind-sets and institutional culture (e.g. creation of ownership, "absolutely everybody" approach
- Apart from the structural barriers much of inequalities come from our perceptional obstacles
- Unconscious biases Stereotypes Discriminatory behaviour

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3. Challenging gender-based stereotypes in STEM

- Gender stereotypes are oversimplified assumptions about women's and men's characteristics, abilities, behaviour and value.
- Gender stereotypes are common in all societies.
- They are often culture- and religion-based, and reflect underlying power relations.
- Rigid gender stereotypes hinder women's and men's ability to fulfill their potential by limiting choices and opportunities, and deprive them of equal knowledge, exercise and enjoyment of rights and fundamental freedoms.

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3. Challenging gender-based stereotypes in STEM

Exercise:

- counter argument for each statement
- Write done
- Report back
- Time for group work 15'+ minutes
- Time for report back and discussion 15'+ min



3. Challenging gender-based stereotypes in STEM

- Different proportions of women and men are found among people with very highest levels of math ability.
- 2. Women and men differ naturally in their scientific interest.
- Women and men differ in their willingness to devote the time required by such "high-powered" positions.
- 4. Women and men differ in their willingness to spend time away from their families.

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