Human Capacity Building: Engaging Women in STI

United Nations - MoST Joint Capacity Building Workshop on Science, Technology and Innovation for Sustainable Development Goals

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Explore the report: https://www.digital-gender.com/
Explore the data: Data dashboard
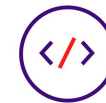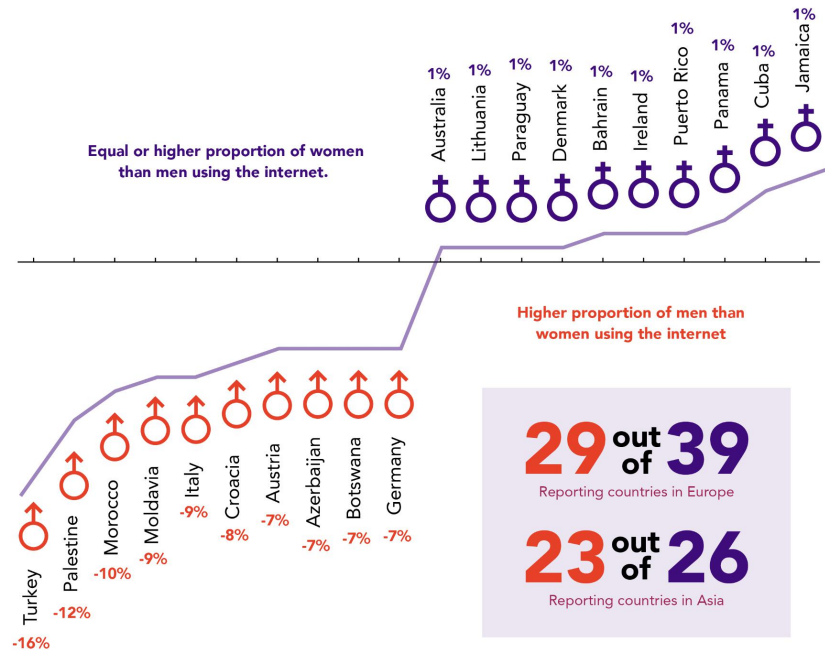
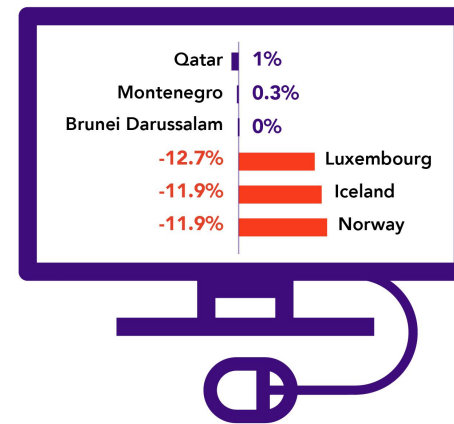# GENDER GAP IN:

Digital Access

Digital Skills

GENDER GAP IN INTERNET USE
(Top 10 and bottom 10)

In a majority of reporting countries around the world, men use the internet more than women do.

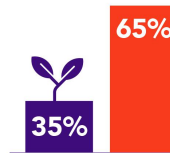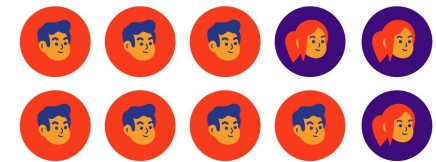**Equal or higher proportion of women than men using the internet.**

Australia 1%
Lithuania 1%
Paraguay 1%
Denmark 1%
Bahrain 1%
Ireland 1%
Puerto Rico 1%
Panama 1%
Cuba 1%
Jamaica 1%

Higher proportion of men than women using the internet

Turkey -16%
Palestine -12%
Morocco -10%
Moldavia -9%
Italy -9%
Croacia -8%
Austria -7%
Azerbaijan -7%
Botswana -7%
Germany -7%

29 out of **39**
Reporting countries in Europe

23 out of **26**
Reporting countries in Asia

GENDER GAP IN PROGRAMMING SKILLS AND STEM EDUCATION

Gender gap in programming skills
(Top & Bottom countries)

Qatar 1%
Montenegro 0.3%
Brunei Darussalam 0%
Luxembourg -12.7%
Iceland -11.9%
Norway -11.9%

Only **3** in **10** computer sciences or engineering students are women.

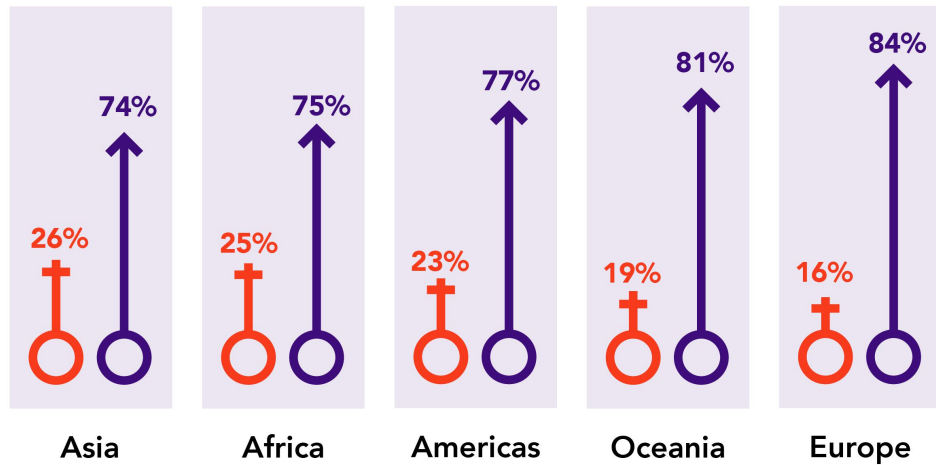Only **35%** of women pursue higher education in STEM subjects. When they do, they study natural sciences more than applied sciences related to ICT.

35%
65%

GENDER GAP IN Digital Leadership

WOMEN IN ICT PROFESSIONS

Women make up very small proportions of ICT professionals; median levels are below 34% for most regions

| Asia | Africa | Americas | Oceania | Europe |

- Asia: 26% / 74%
- Africa: 25% / 75%
- Americas: 23% / 77%
- Oceania: 19% / 81%
- Europe: 16% / 84%

WOMEN IN ICT POLICYMAKING

Worldwide, only 28 countries (13%) have a woman in charge of an ICT ministry. Similarly, only 26 (13%) countries have a woman heading the telecommunications regulator

Countries with a woman in charge of the telecommunications regulator
■ female ■ male

Countries with a woman in charge of the ICT Ministry
■ female ■ male
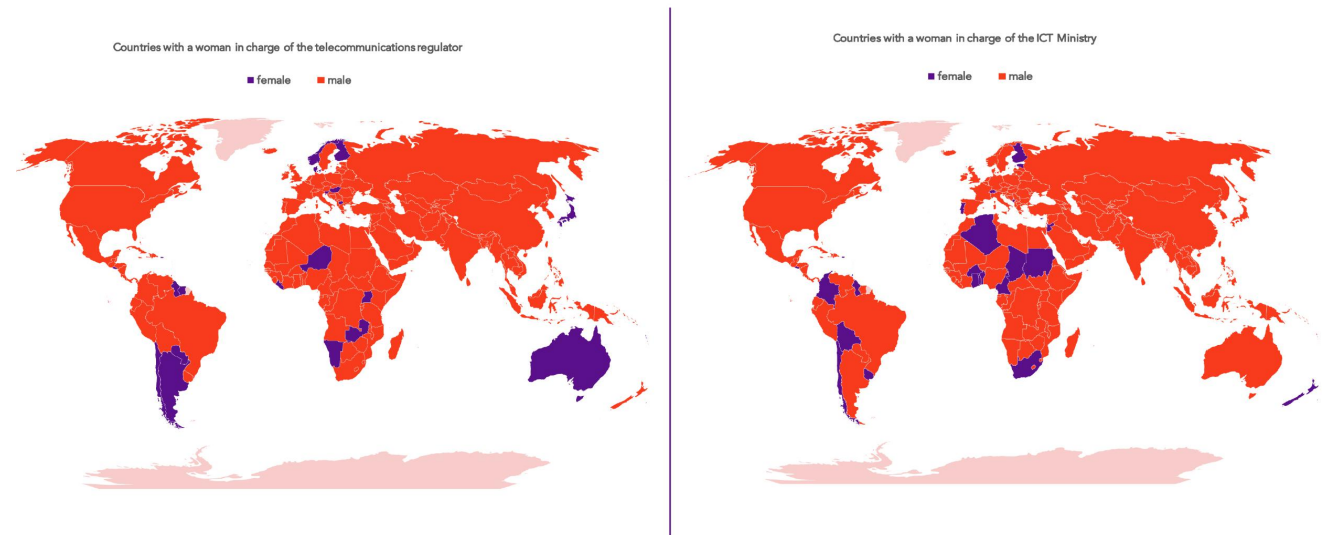
BARRIERS TO DIGITAL GENDER EQUALITY

RECOMMENDATIONS

- **Expand infrastructure to unserved/underserved**

- Improve affordability
- Remove gender-based barriers to acquiring business capital

- **Invest in digital literacy capacity building**
- **Address gender stereotyping of STEM**
- **Invest in entrepreneurship capacity building**

- Provide relevant content & services
- Increase awareness/show relevance of ICTs & ICT careers
- Address gender stereotyping of STEM

- **Develop social, technical, & regulatory measures to eliminate safety/security threats in public, educational & workplace settings**

- Combat stereotypes, biases & discriminatory norms at individual, institutional & societal levels
- Collaborate with stakeholders

DATA is Scarce
and a moving target…

Tier 1
Conceptually clear, with an internationally established methodology and standards, and data regularly produced by countries.

Tier 2
Conceptually clear, with an internationally established methodology and standards, but data not regularly produced by countries.

Tier 3
No internationally established methodology or standards, data not regularly produced.

UN Minimum Set of Gender Indicators criteria

Explore the report: https://www.digital-gender.com/
Explore the data: Data dashboard