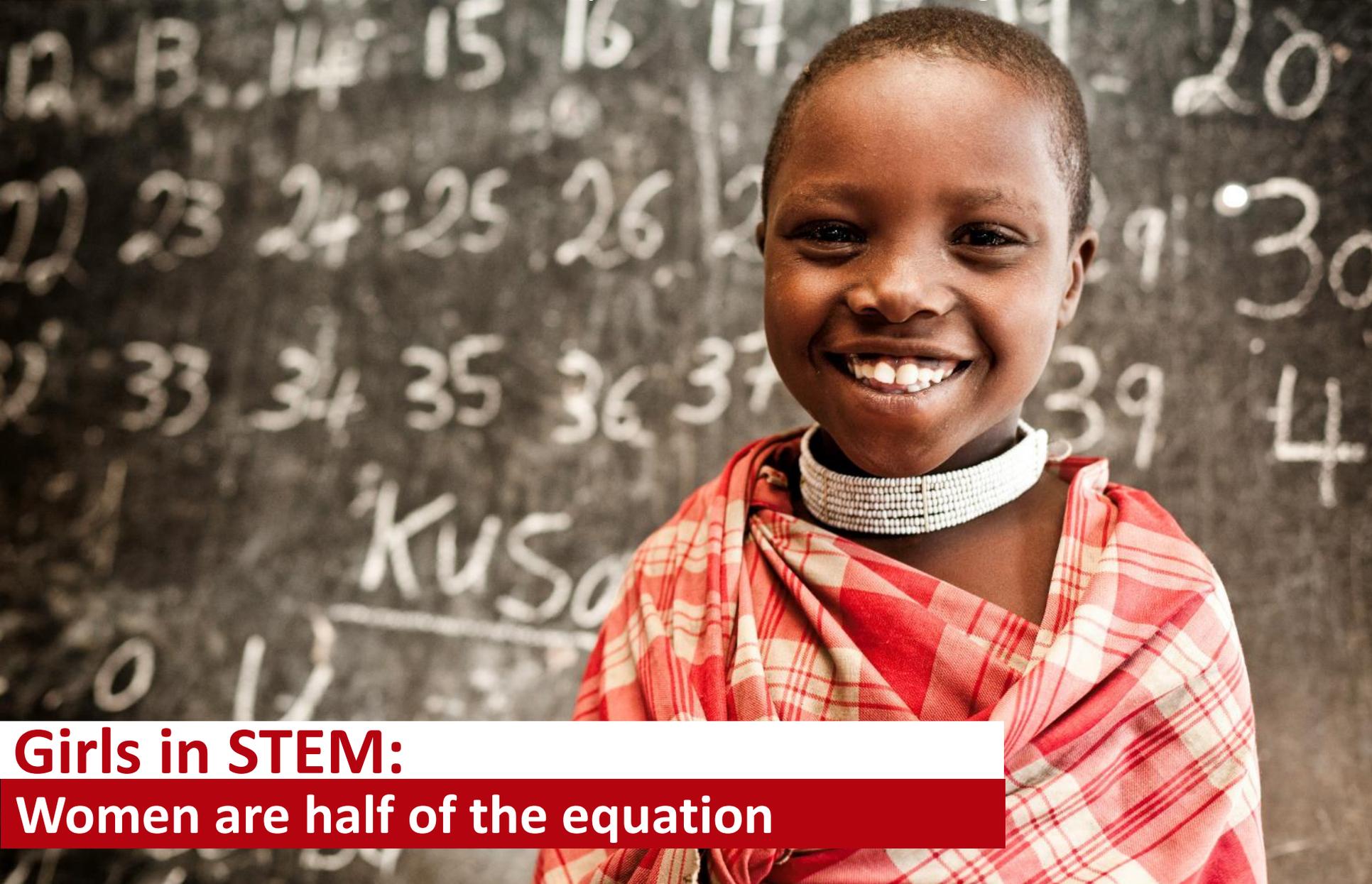




Justine Sass, UNESCO

Global Aviation Gender Summit, Cape Town, South Africa, 8-10 August 2018



# Girls in STEM: Women are half of the equation



**1** in **5**

**263**  
**MILLION**  
children  
youth

Source: UNESCO Institute for Statistics (UIS), 2018



**132**  
**MILLION**  
**girls**



63%

749

ILLITERATE  
adults

Source: UNESCO Institute for Statistics (UIS), 2018

# GENDER segregation in subject choice



MANY MORE WOMEN THAN MEN GRADUATE,  
BUT FAR FEWER ACHIEVE  
STEM DEGREES



GAO

Source: Global Education Monitoring Report Team blog, 2018,

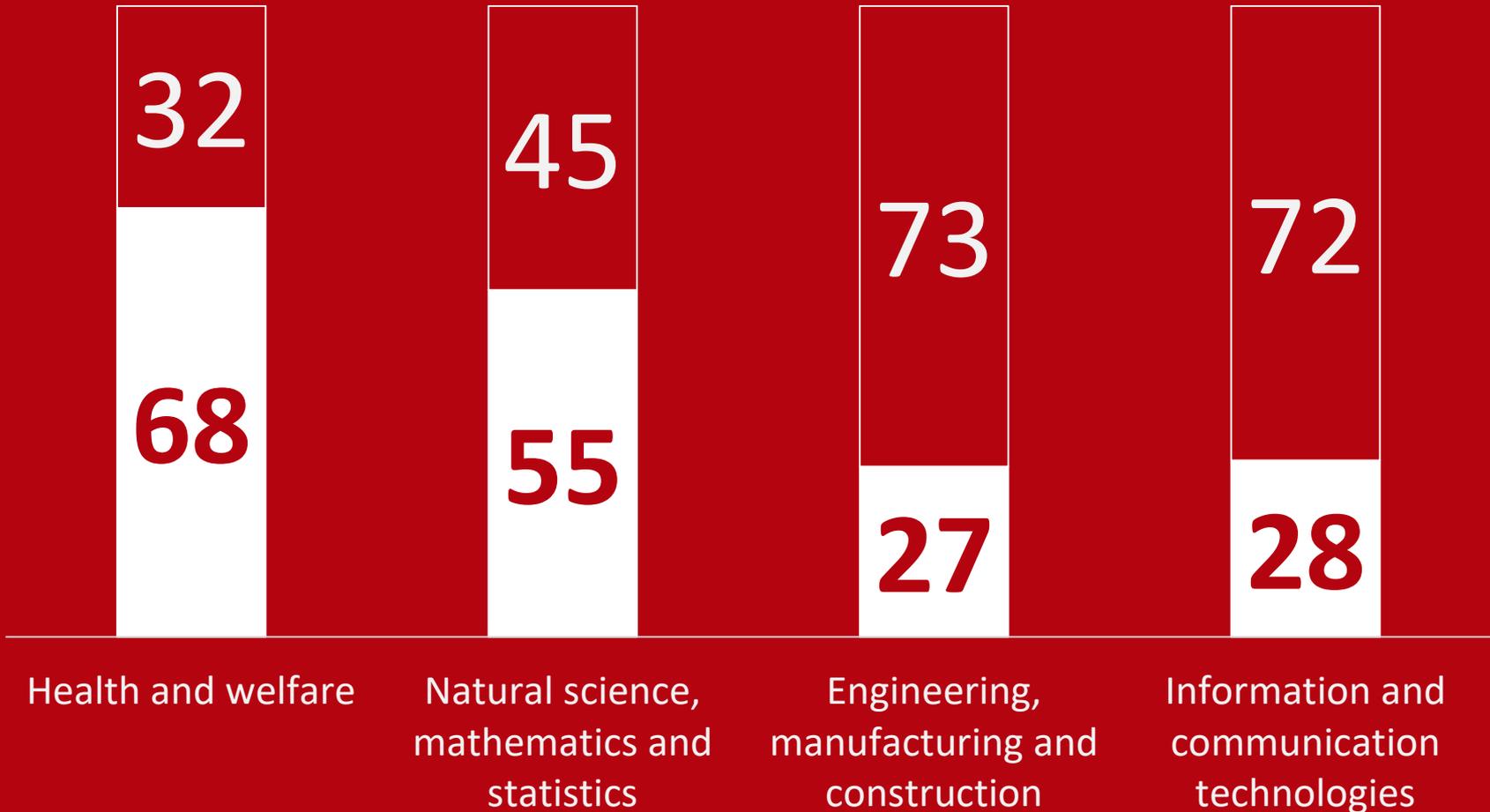


**35% STEM**  
higher education students

Source: UIS, UNESCO 2017 Cracking the Code: Girls' and Women's Education in Science, Technology, Engineering and Mathematics. Paris, UNESCO

Females

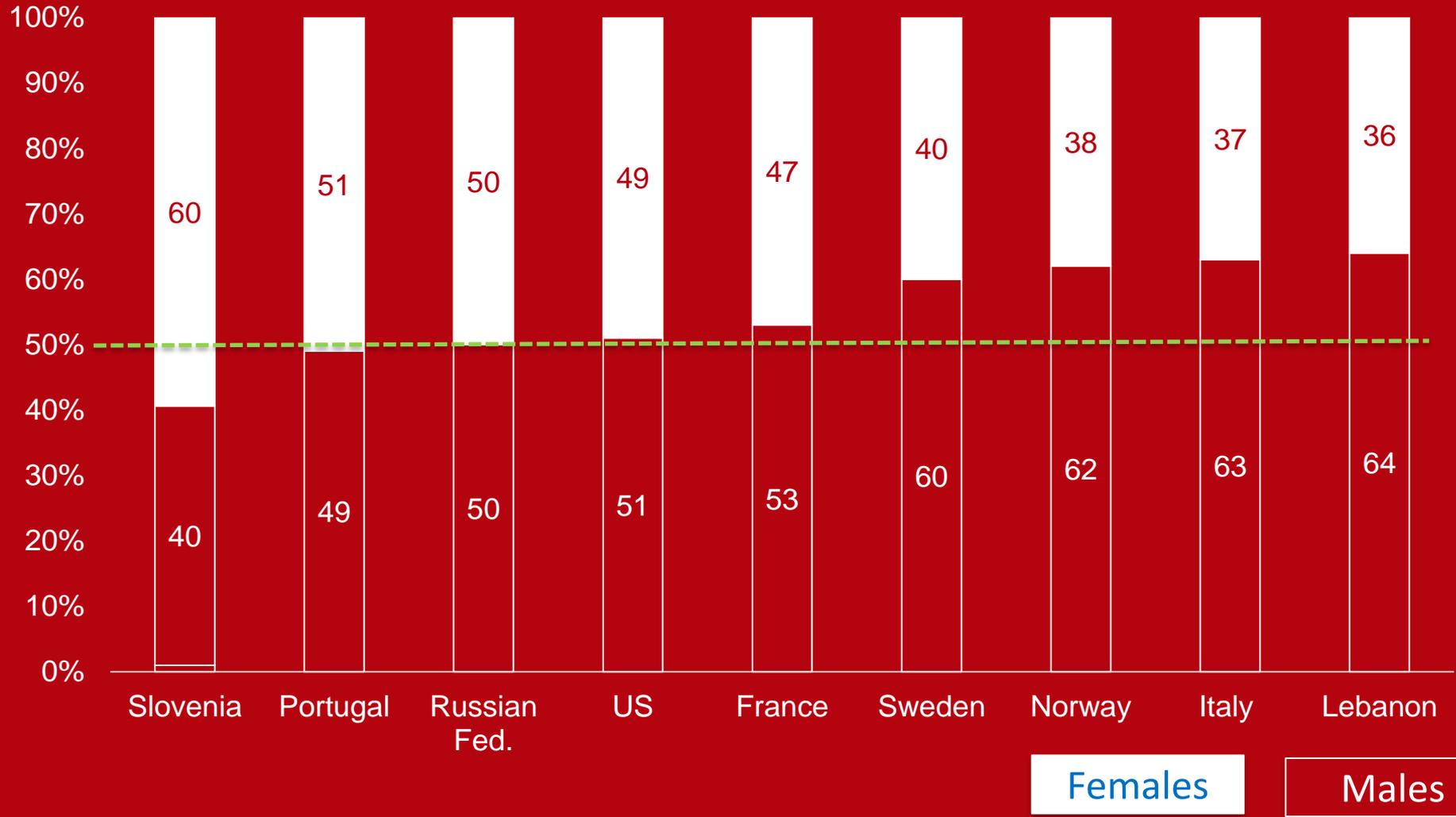
Males



Source: UIS, UNESCO 2017 Cracking the Code: Girls' and Women's Education in Science, Technology, Engineering and Mathematics. Paris, UNESCO

# Advanced mathematics

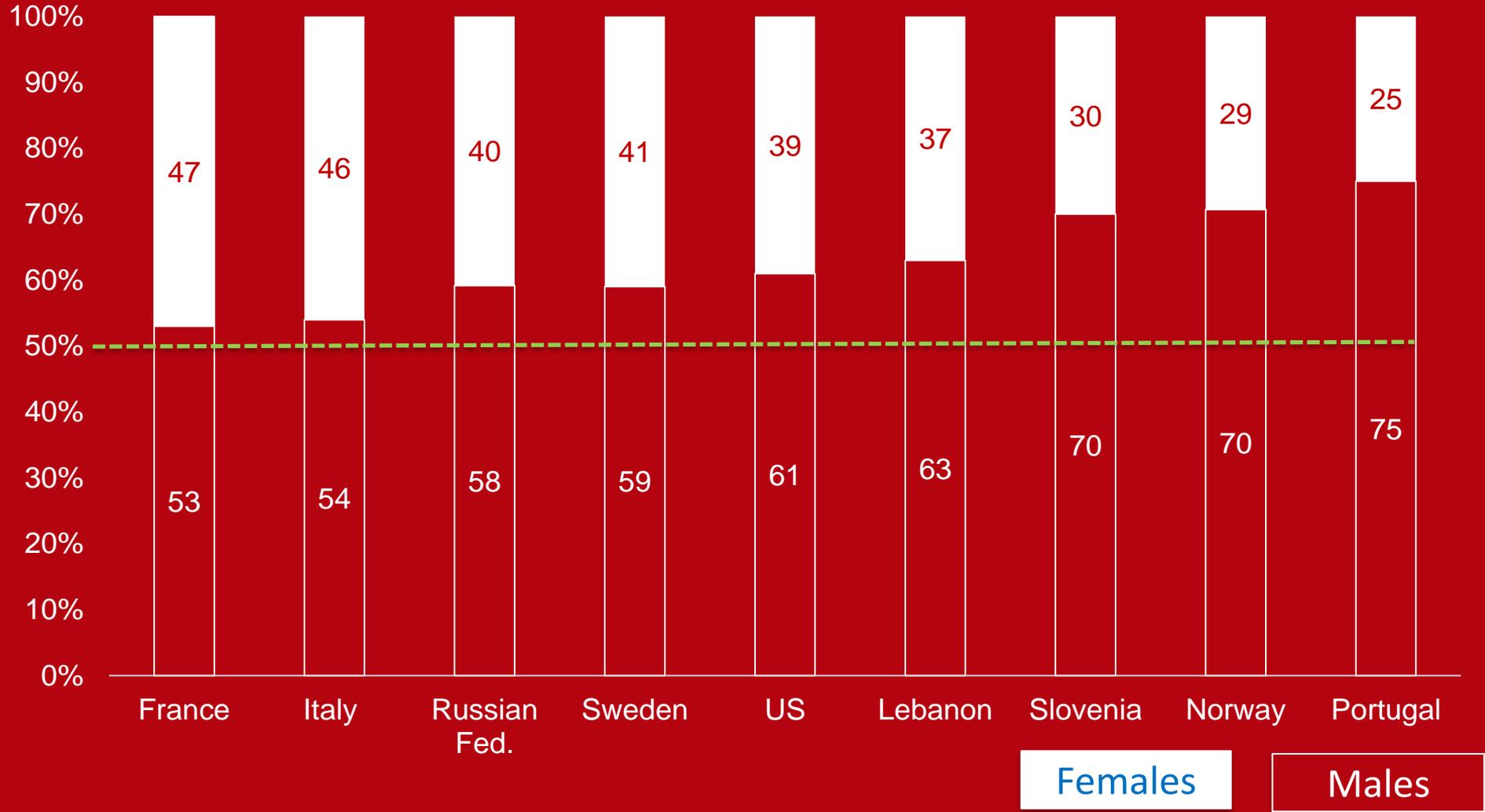
Percentage of students



Source: TIMMS Advanced 2015, UNESCO 2017 Cracking the Code: Girls' and Women's Education in Science, Technology, Engineering and Mathematics. Paris, UNESCO

# Advanced physics

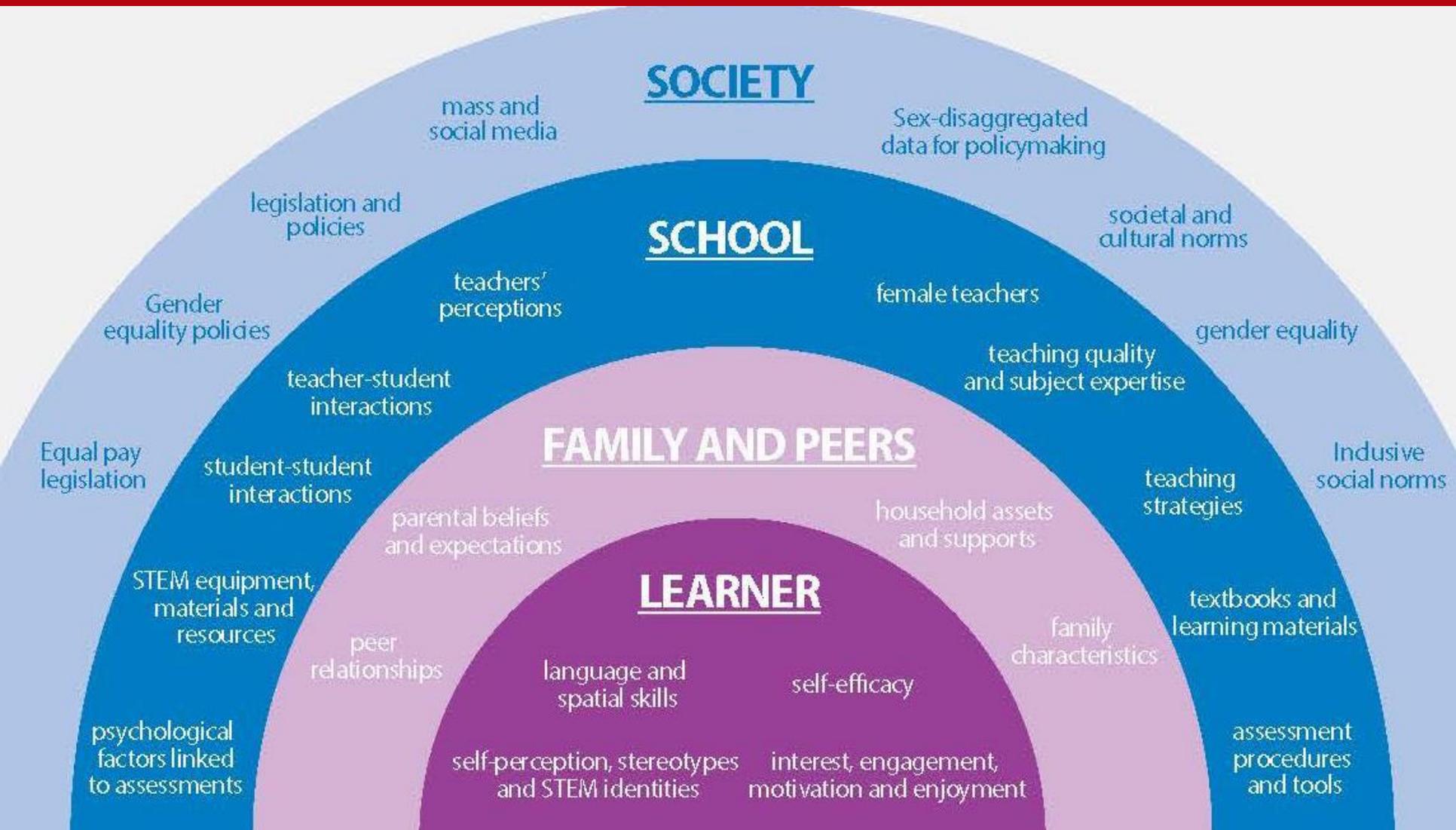
Percentage of students





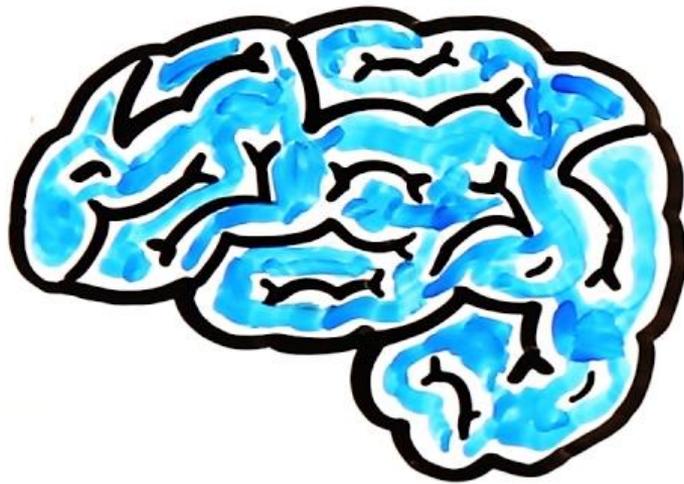


# Factors influencing girls' education in STEM

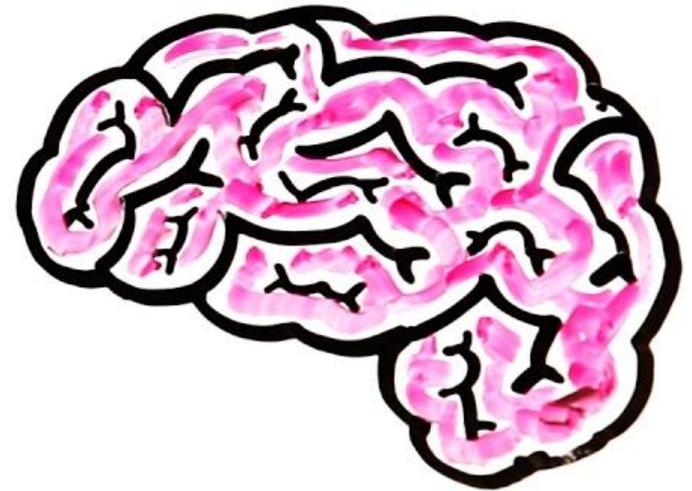


Source: UNESCO 2017 Cracking the Code: Girls' and Women's Education in Science, Technology, Engineering and Mathematics. Paris, UNESCO

# Biology

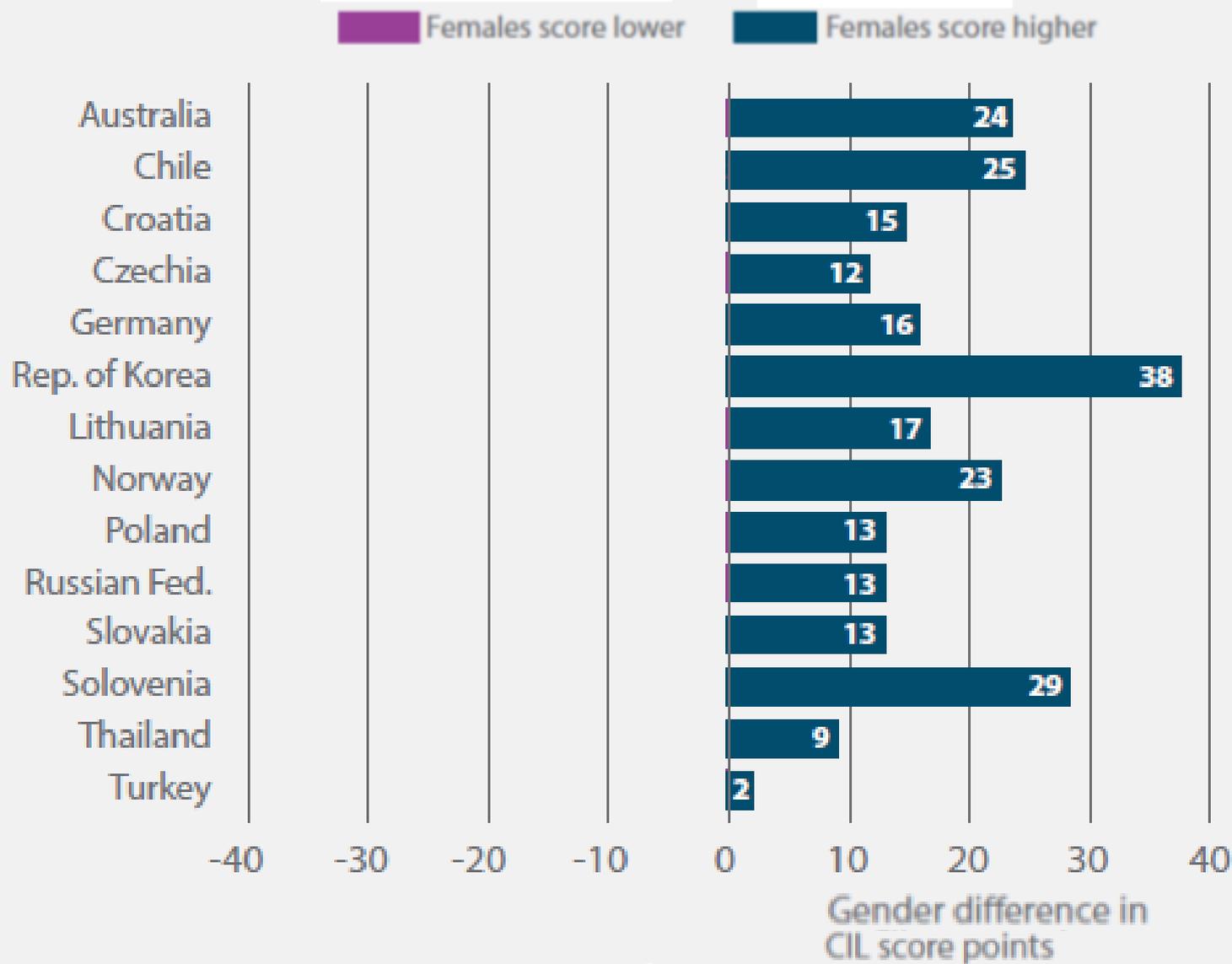


VS



BOYS

GIRLS



Source: IEA ICILS 2013. In: UNESCO 2017 Cracking the Code: Girls' and Women's Education in Science, Technology, Engineering and Mathematics. Paris, UNESCO

# Parents



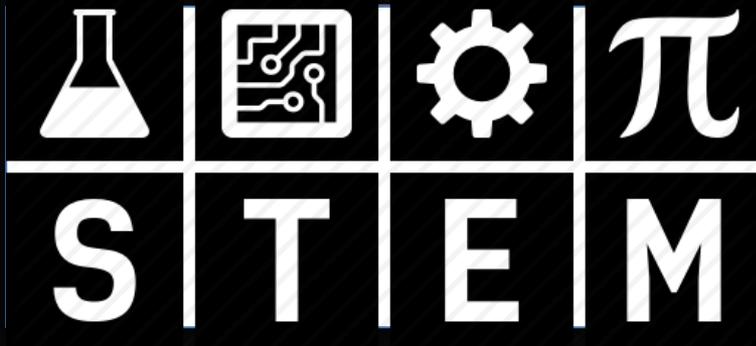
# Media



©aviationbusinessme.com

# Learning environment





**KEEP  
CALM**

**AND**

**SPREAD  
GENDER EQUALITY**

Cracking the Code report:  
[bit.ly/STM4U](https://bit.ly/STM4U) (EN)  
[bit.ly/STM4U-FR](https://bit.ly/STM4U-FR) (FR)  
[bit.ly/STM4U-POR](https://bit.ly/STM4U-POR) (PORT)  
Spanish/Arabic forthcoming  
[#GirlsCrackTheCode](https://twitter.com/GirlsCrackTheCode)

Justine Sass  
Chief, Section of Education  
for Inclusion and Gender Equality  
UNESCO  
[j.sass@unesco.org](mailto:j.sass@unesco.org)