

# SCIENCE, RESEARCH AND INNOVATION PERFORMANCE OF THE EU (SRIP) 2024 REPORT

## EU FACTS AND FIGURES FROM THE #SRIP REPORT 2024

### 1 R&D SPENDING

Although the EU's R&D investments have increased over the past two decades, its main competitors have shown stronger growth.



### 2 SCIENTIFIC PERFORMANCE AND EXCELLENCE

#### SCIENTIFIC PERFORMANCE

The EU has a strong research base and ranks second globally in share of scientific publications.

Total of world share of scientific publications



#### SCIENTIFIC EXCELLENCE

The EU's ranking has improved relative to its competitors over the past 2 decades.

Publications that belong to the top 1% of the most-cited publications worldwide



### 3 HIGH-PERFORMING UNIVERSITIES

#### THE EU IS A STRONG ACADEMIC PERFORMER

The number of universities in the top 200 of the 2024 QS World Ranking.



### 4 PUBLICATIONS ABOUT AI APPLICATIONS IN SCIENCE

The EU's performance has increased over the past 2 decades, but it lags behind its main competitors



### 5 FINANCING GAP

The US and China finance more start-ups than the EU.



The US (724) has 8 times, and China 3 times (287) more unicorns than the EU (89)\* as at November 2023

### 6 THE INNOVATION DIVIDE



A persistent innovation divide within and between EU Member States. Stronger performers are clustered in Northern and Central Europe, weaker ones in Southern and Eastern Europe.

### 7 R&I COLLABORATION IN THE EU

The EU FP for R&I went from supporting about **20 000 international collaborations** through its 2002-2006 edition (FP6) to **more than 35 000** through its 2014-2020 edition (Horizon 2020).



### 8 TECHNOLOGICAL GAP

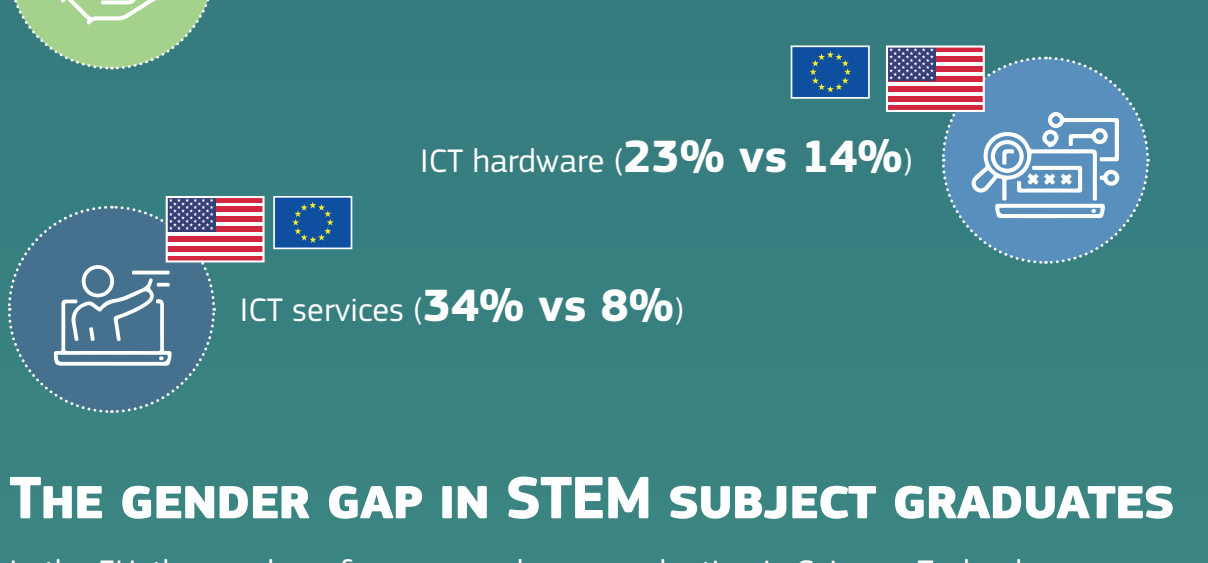
The EU is a world leader in green power and clean energy technology.

The EU lags behind the US and China in development of complex technologies like AI, IoT, cybersecurity and cloud computing.



### 9 R&D DISTRIBUTION BY SECTOR

Europe leads the US in R&D spending in the automotive sector: **33%** of total business R&D vs **6%**



### 10 THE GENDER GAP IN STEM SUBJECT GRADUATES

In the EU, the number of women and men graduating in Science, Technology, Engineering and Mathematics subjects increased between 2014-2021.

**For men:** From 24 to 29 graduates per 1000 population between 2014-2021 (**2.4% to 2.9%**)

**For women:** From 12 to 15 graduates per 1000 population between 2014-2021 (**1.2% to 1.5%**)

### 11 WORLD SHARE OF RESEARCHERS

The size of the EU's research workforce is second only to China's



(from 2020, based on UNESCO data)

### 12 INVESTMENT IN DEFENCE

The EU invested EUR 61 bn on defence in 2022, with a focus on the later stages of technological development.

