

COMMUNITY OF PRACTICE

FOR GENDER EQUALITY IN RESEARCH AND INNOVATIONS

GENDER DATA MONITORING IN SLOVAKIA

CVTI SR LAMAČSKÁ CESTA 8/A, BRATISLAVA

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PROGRAM
SLOVENSKO

MINISTERSTVO
ŠKOLSTVA, VÝSKUMU,
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SLOVENSKEJ REPUBLIKY



CONTENT

EUROPEAN INSTITUTE FOR GENDER EQUALITY (EIGE)



SHE FIGURES – key source of comparable, Europe-wide statistics on gender equality in Research and Innovation



*National databases – Statistical Office of the Slovak Republic,
Slovak Centre of Scientific and Technical Information*



Monitoring of gender equality data in the national and european level

Why collect data?

- evaluate the progress toward the desired or retreat toward the undesired,
- reveal the trend in representation of women in comparing with other countries,
- promote gender equality, systemic support and achieving change in legislative proposals and politics in gender equality



Data collection based on gender

Strengths: existing databases and data collection for researchers at national level,

Weaknesses:

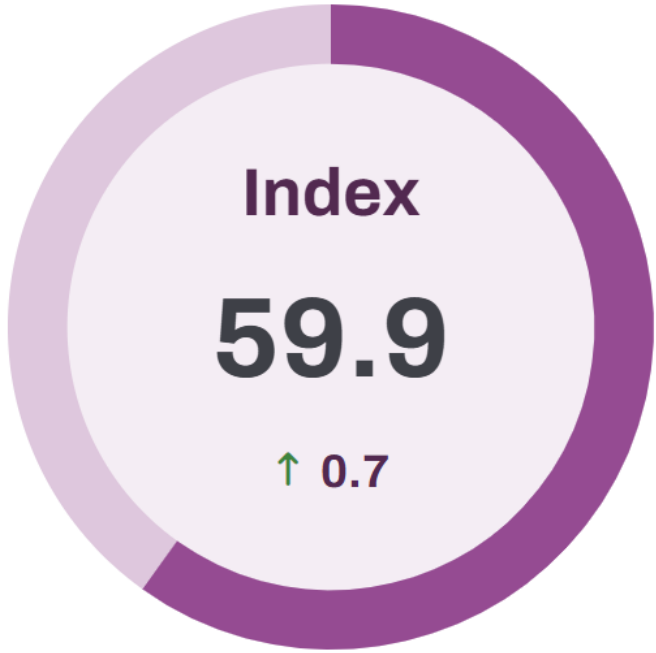
- limited consistency in data collection,
- inconsistency with European requirements,
- manual search of data from the web sites,
- lack of systemic support,

Limits:

- expanding the collection of quantitative indicators at national level,
- advancing legislative proposals,
- improving gender balance in R&D

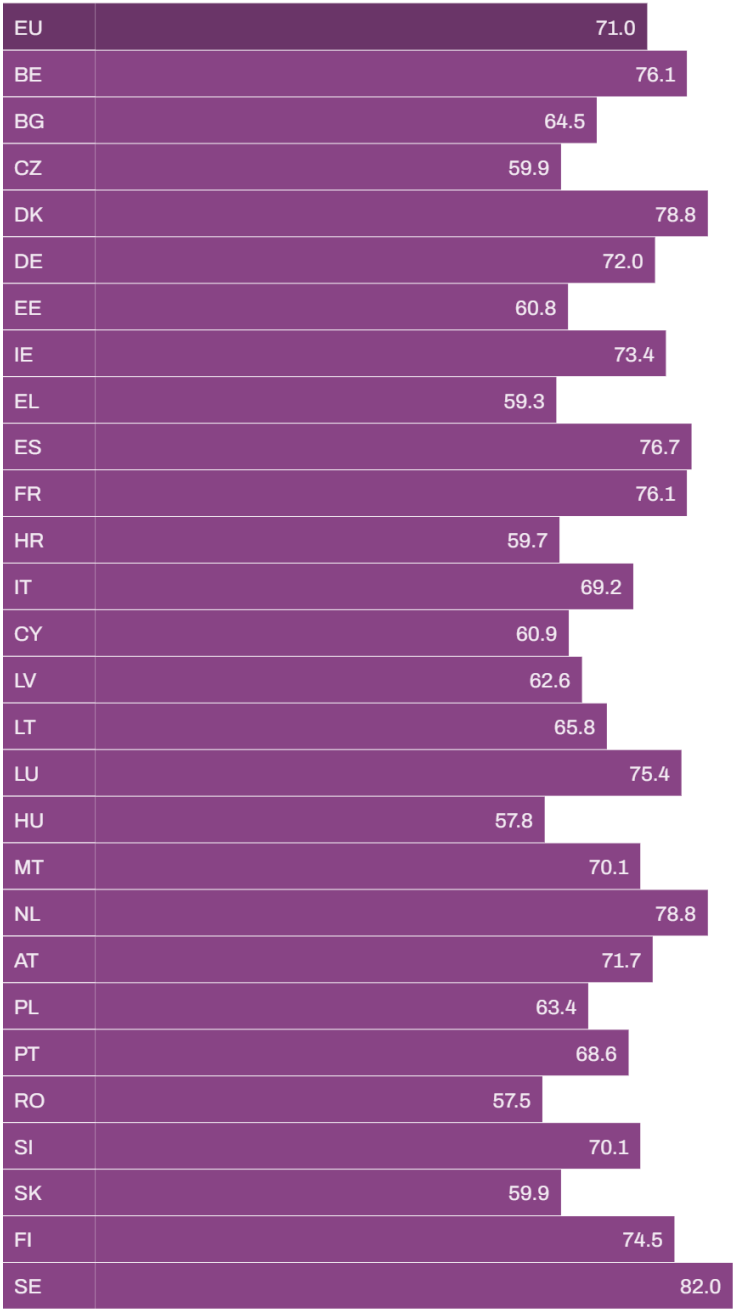


EIGE - Gender equality

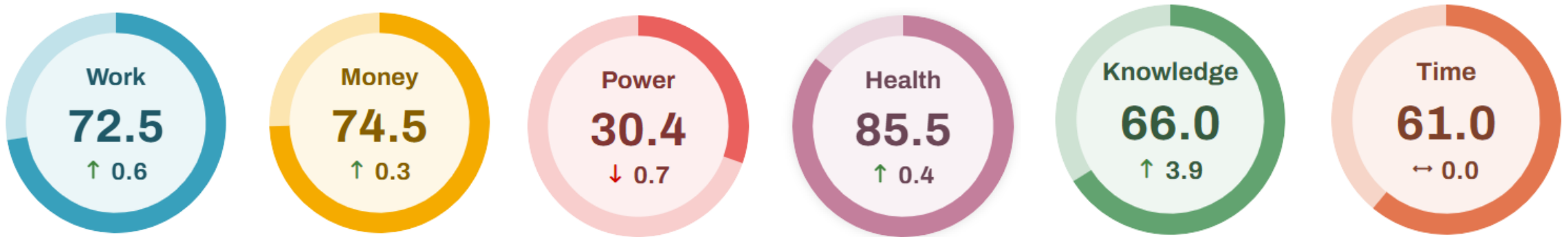


With 59.9 points out of 100, Slovakia ranks 22nd in the EU on the Gender Equality Index 2024.

Slovakia's score is 11.1 points below the EU score (71,0) . Since 2021, Slovakia has gained one position in the ranking and increased its score by 0.7 points.



Best performance vs. Room for improvement

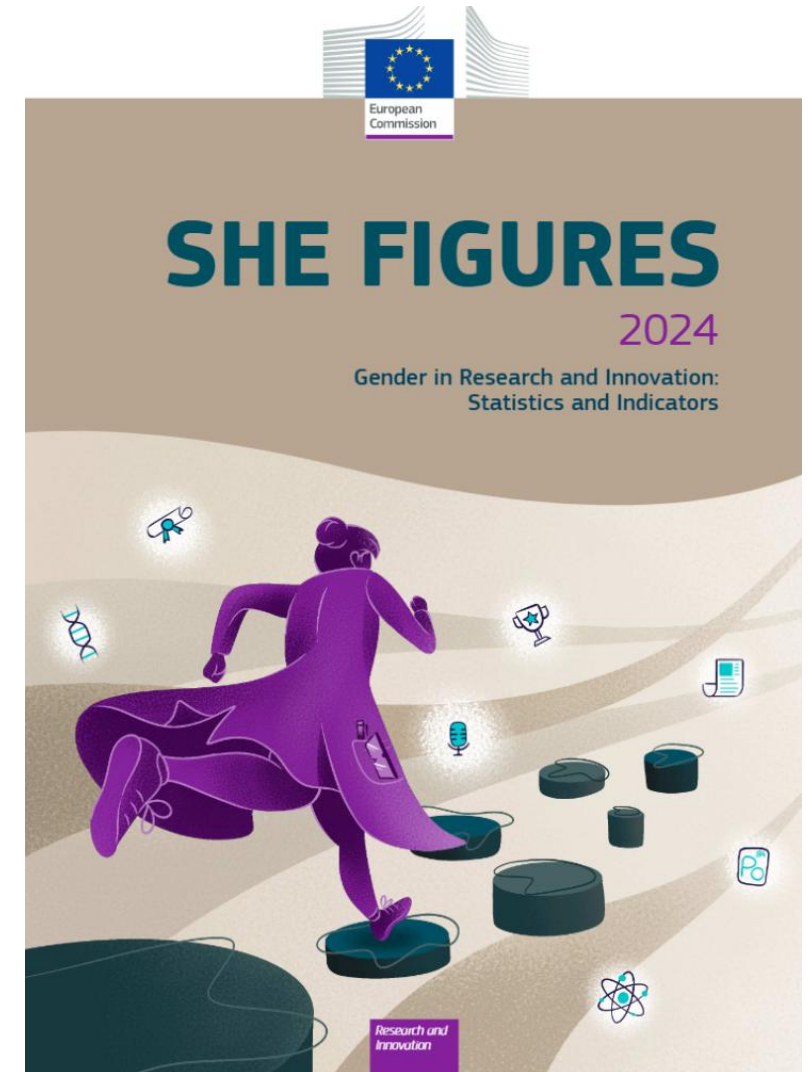


Slovakia's highest position is in the knowledge domain (11th among all Member States), with a score of 66 points.

Slovakia has the lowest score in the power domain with 30.4 points, ranking 25th among the EU Member States.

She Figures 2024

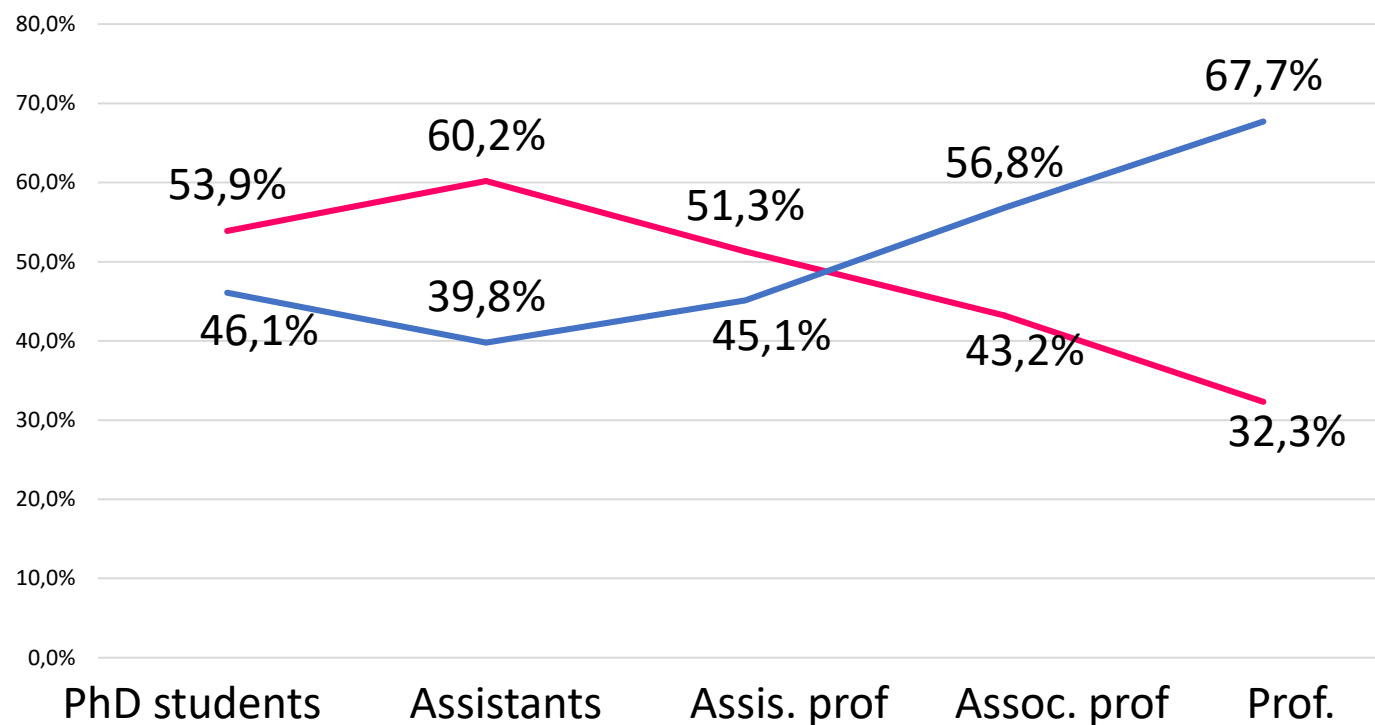
- Harmonised publication She Figures 2024 (3 years), European Commission
- It focuses on women's success in R&D of European countries
- It monitors the status and development of gender equality in R&I in comparison with other countries
- Questionnaire Women in Science – data for the decade 2012-2022
 - *researchers, academic staff,*
 - *research funds,*
 - *leaders and members of scientific boards / advisory boards,*
 - *heads of HEI*



She Figures 2024 – main findings



PhD study:
Women (53,9 %)
Men (46,1 %)

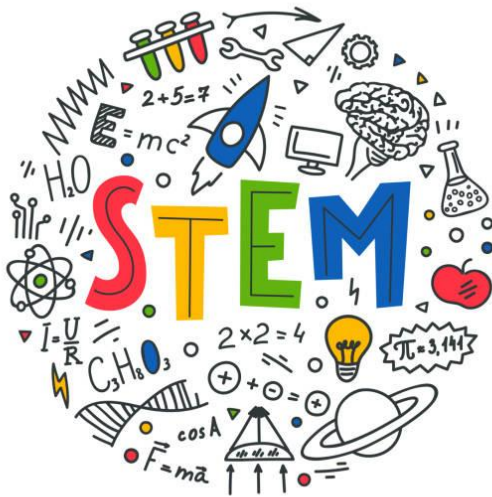


Research:
Women (40,0 %)
Men (60,0 %)

zdroj:
She Figures, Eurostat, 2024

She Figures 2024 – weaknesses

women hold less than a third of senior academic positions and only 26% of decision-making positions leading institutions.



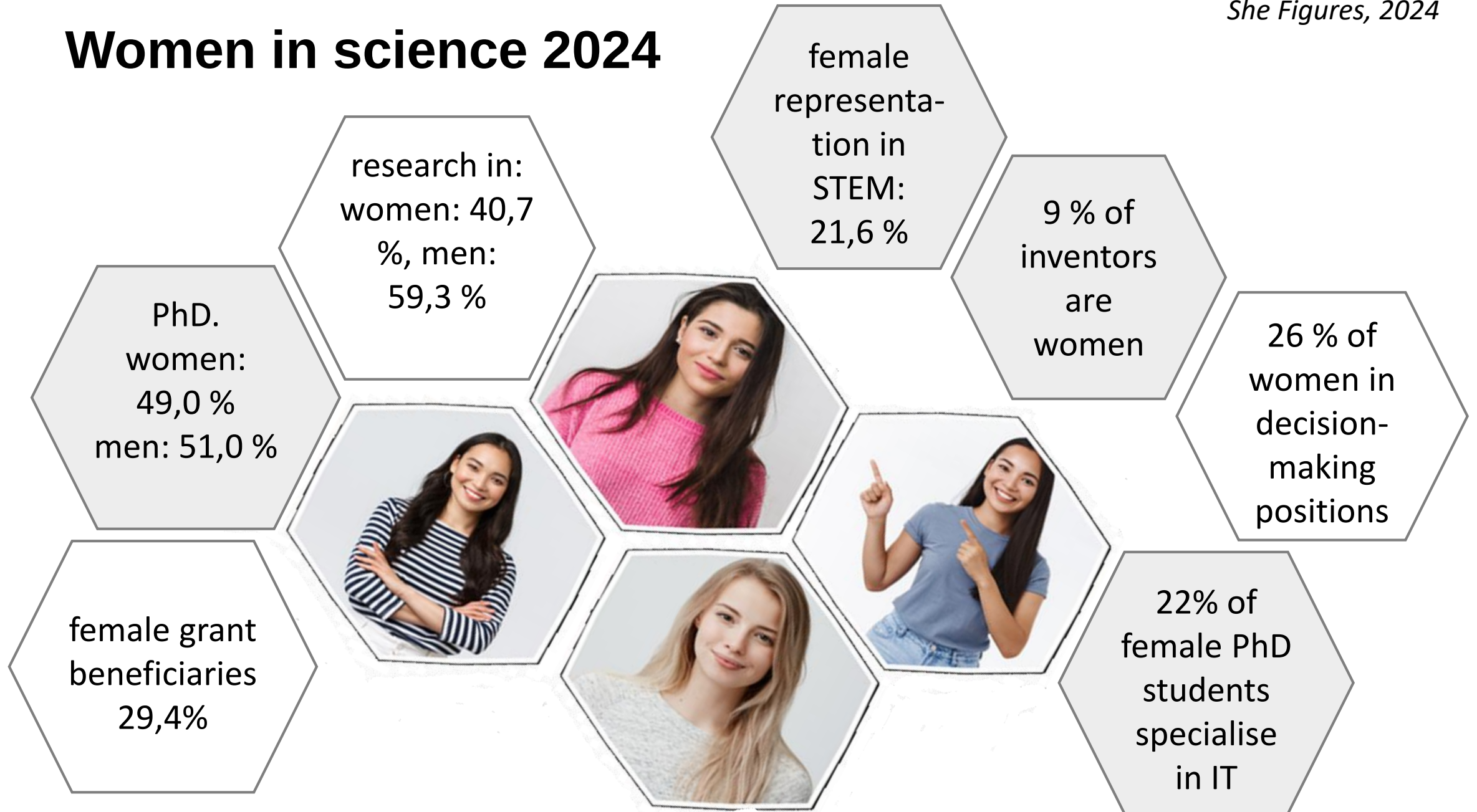
women's representation in STEM (science, technology, engineering, mathematics) professions is still low, only 21,6 %



only 22% of female PhD students specialise in ICT

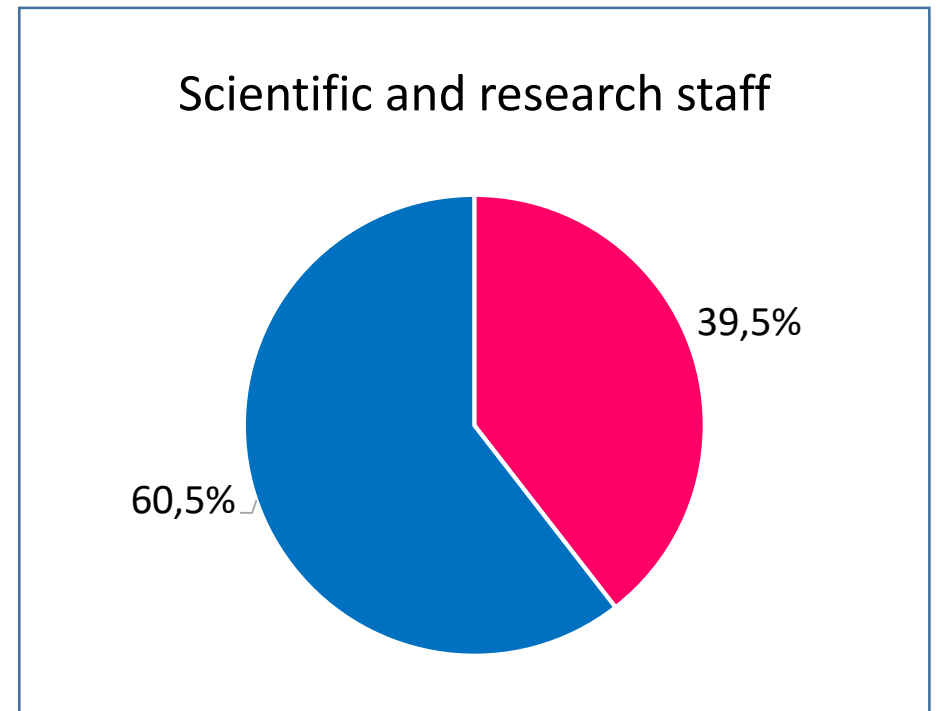
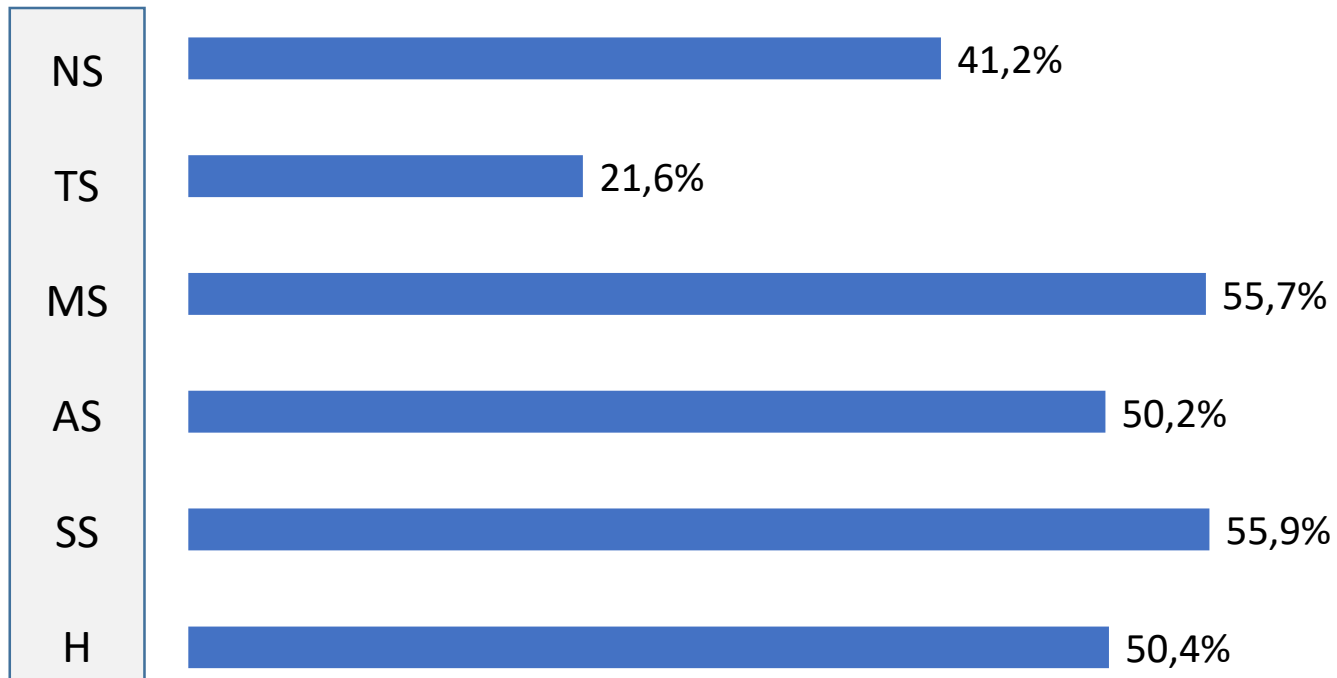
zdroj:
She Figures, Eurostat, 2024

Women in science 2024

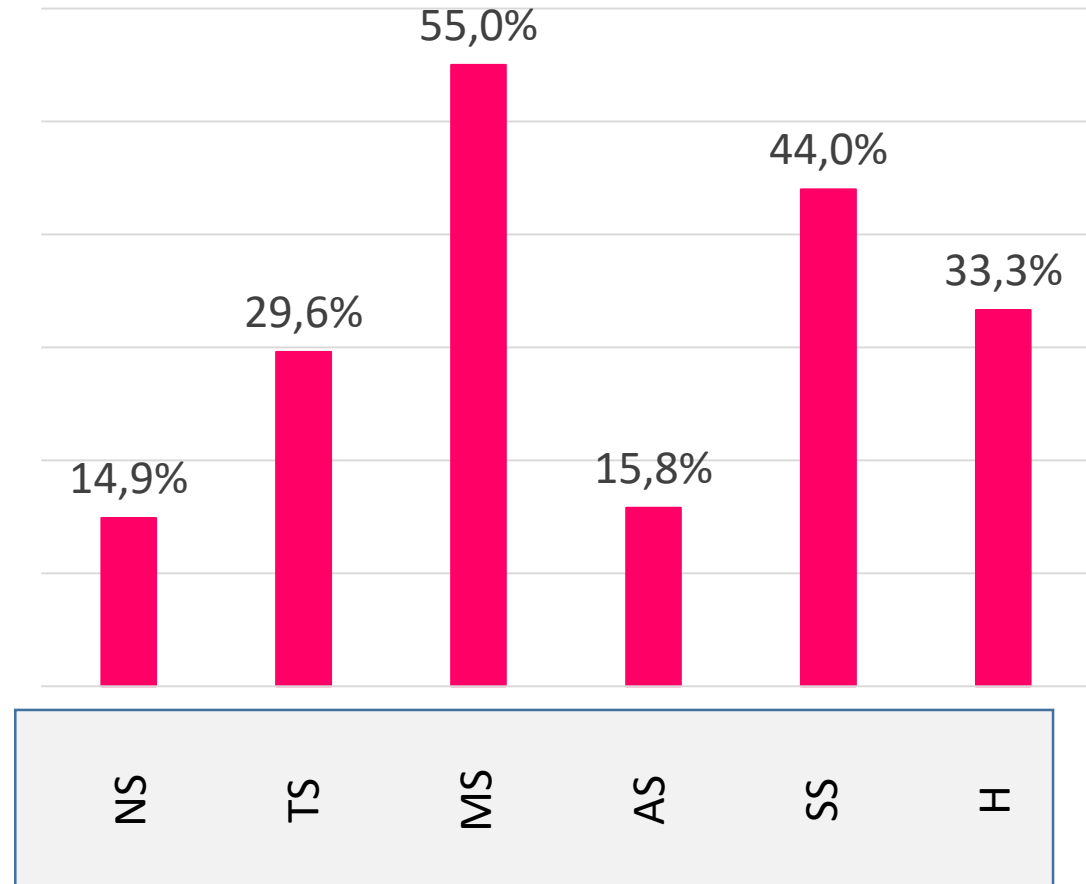
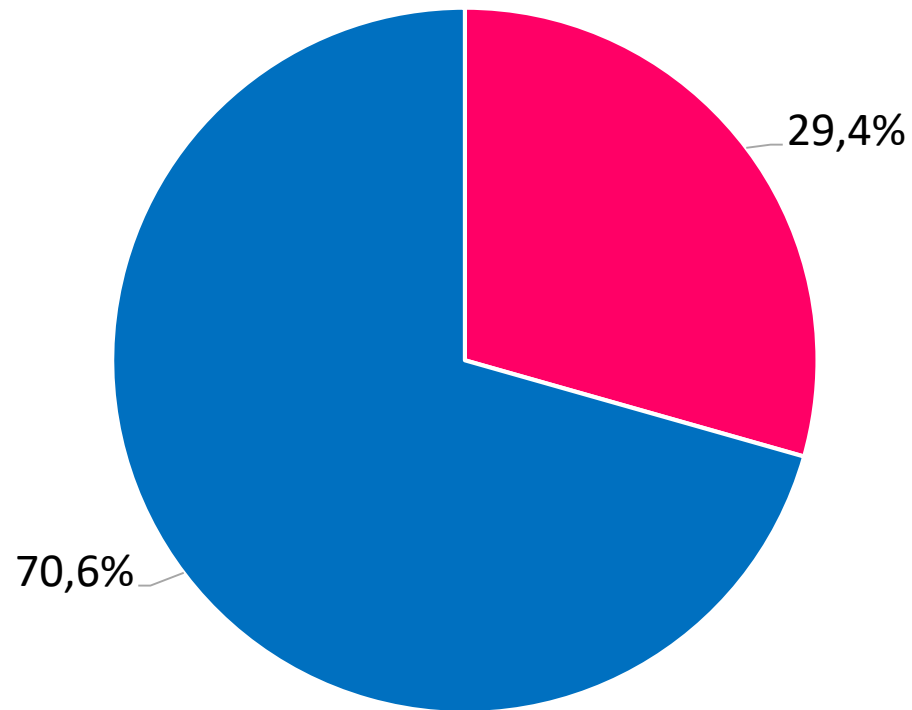


What does the data show?

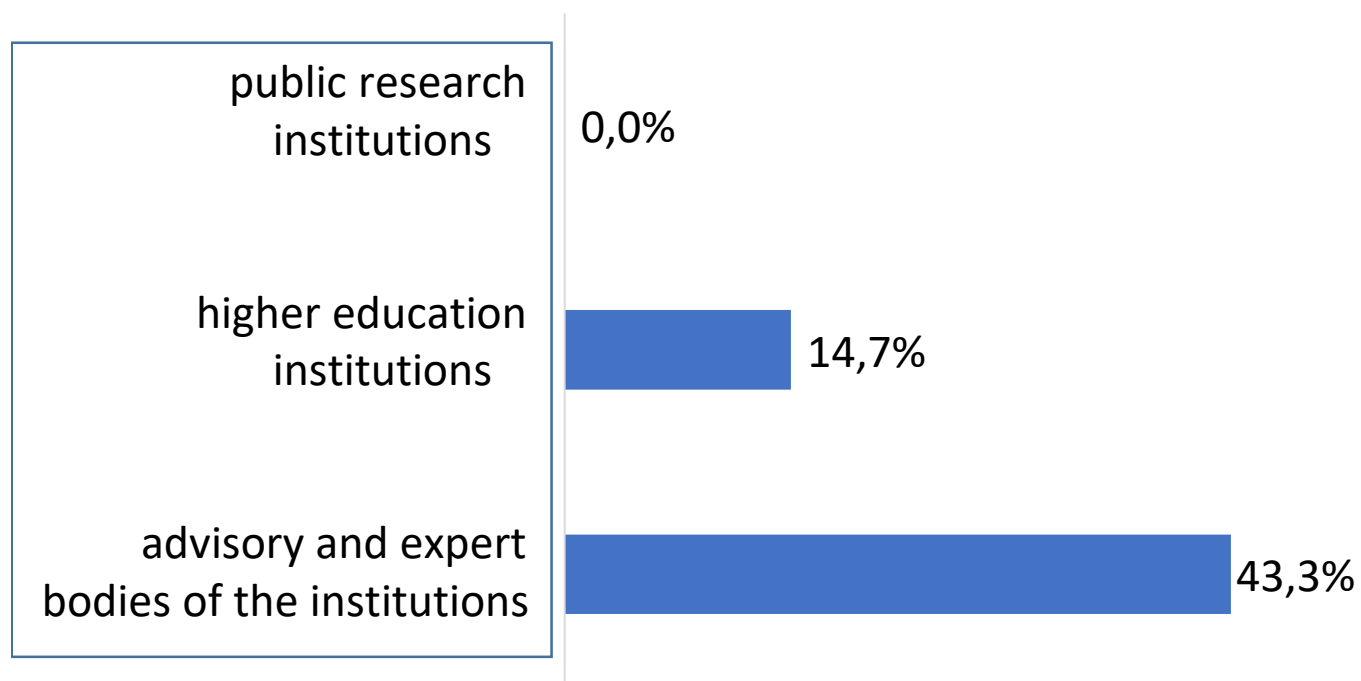
- statistical data reveal how real the problem of unequal representation is



Representation of women in the research funds



Representation of women in decision-making bodies



What are the limits in data collection?

Data collection for the Women in Science database reveal the systemic shortcomings that have prevent the reporting of data as required by the European Commission.

Missing data on researchers and academic staff and grant providers:

- *Data on the age structure of female researchers and academic staff/employees according to the scale (< 35, 35-44, 45-54, > 55),*
- *Data relating to the research and development area of female researchers and academic staff/staff according to the Frascati code,*

What are the limits in data collection?

- *Data on the research level of female researchers and academic staff/employees according to scale (Prof. Assoc. Assoc., Assoc.)*
- *Data on male/female applicants and recipients of research and innovation funding by gender, scientific field and career profile (young scientist and established scientist)*
- *Data on chairpersons/chairpersons of scientific, administrative and advisory boards of research organisations and leading institutions in the higher education (HE) sector and in universities or affiliated institutions to the Women in Science (WiS) database, by gender, R&D field and function.*

[Source: Kritická analýza k zberu kvantitatívnych dát vo vede, výskume a inováciách na Slovensku - ERA Portál Slovensko](#)

What are the perspective in data collection?

- *cooperation with the highest decision-making body and working more closely with institutions providing data collection on researchers,*
- *to generalise the interface for data collection on researchers and applicants in ITMS+ by gender, scientific field, research position in the research team and career profile,*
- *new indicators reflecting new requirements,*
- *new ways and tools to monitor gender equality data : web scraping, use of AI.*
- *expanding the collection of quantitative indicators at national level*

Thank you for your attention !

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Slovak Centre of Scientific and Technical Information

Sources:

Data from Statistical Office of the Slovak Republic:

https://datacube.statistics.sk/#!/view/sk/VBD_INTERN/vt0001rs/v_vt0001rs_00_00_00_sk

Data from She Figures: <https://ec.europa.eu/research-and-innovation/en/knowledge-publications-tools-and-data/interactive-reports/she-figures-2021>

Data from EIGE: [Slovakia | 2024 | Gender Equality Index | European Institute for Gender Equality](#)

Data from databases of CVTI SR: [Štatistiky - CVTI SR](#)



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