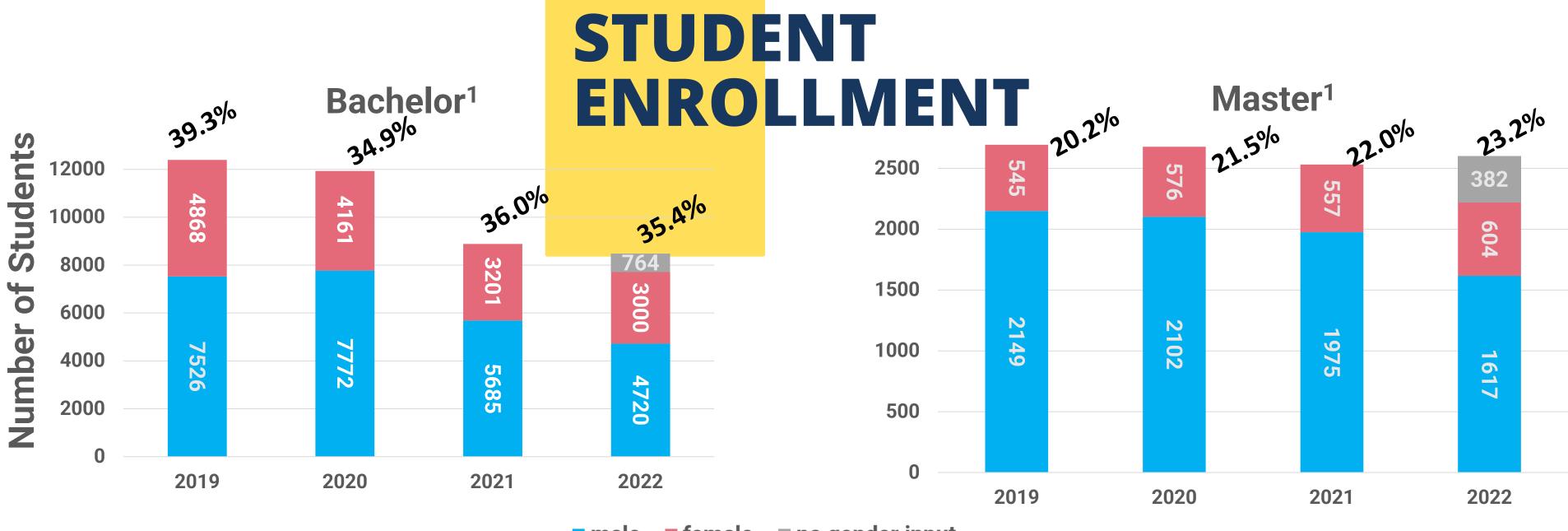
8th

International Conference on Women in Physics **COUNTRY POSTER**

Gender Imbalance in Physics Education and Employment in Germany: **Trends and Challenges**



Agnes Sandner, Andrea Bossmann, Angelica Zacarias, Anja Metzelthin, Iris Traulsen, Ruzin Ağanoğlu, Ulrike Böhm



■ male ■ female ■ no gender input

Press release No. N004 of 23 January 2023

Record high: women accounting for nearly 35% of students in their first semester of STEM course in 2021



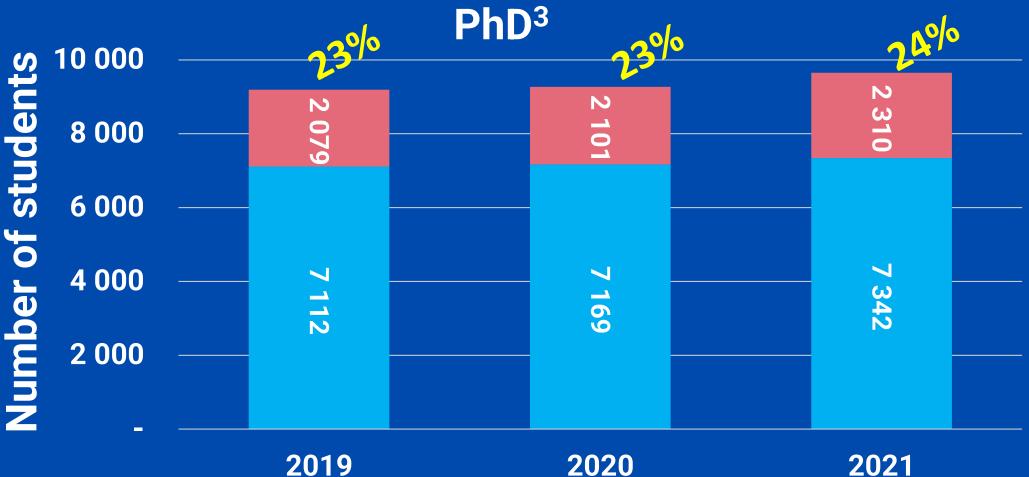
Press

6.5% fewer students starting a STEM course in the academic year of 2021

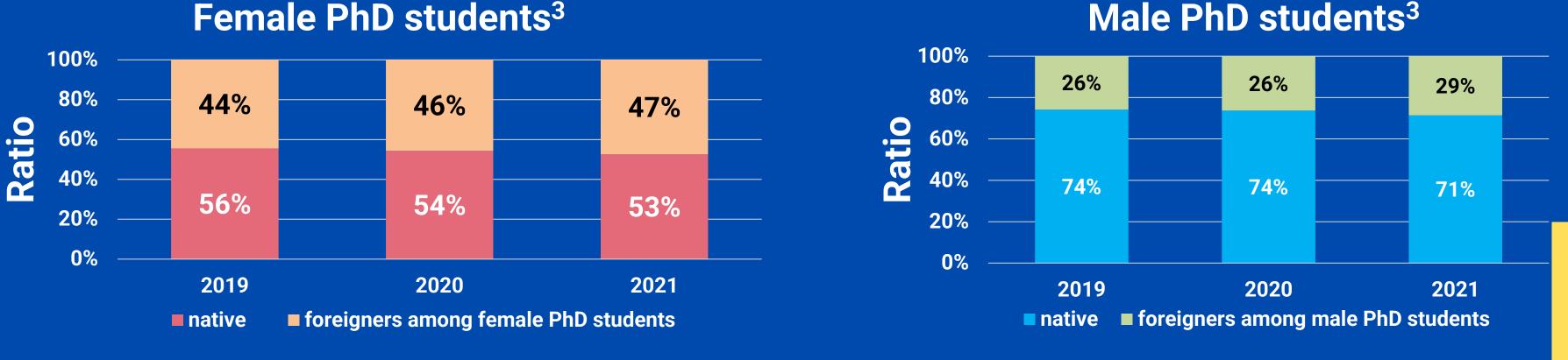
Slight reversal in female enrolment may be partly associated with the Covid-19 pandemic².

The ratio of female Bachelor graduates is about 25%, while the ratio of female Master's and Diplom graduates is approximately 20% between 2019 and 2021.

TREND TOWARDS **DIVERSITY IN THE** PHYSICS PhD POPULATION _ _ _ _ _ _ _ _ _ _





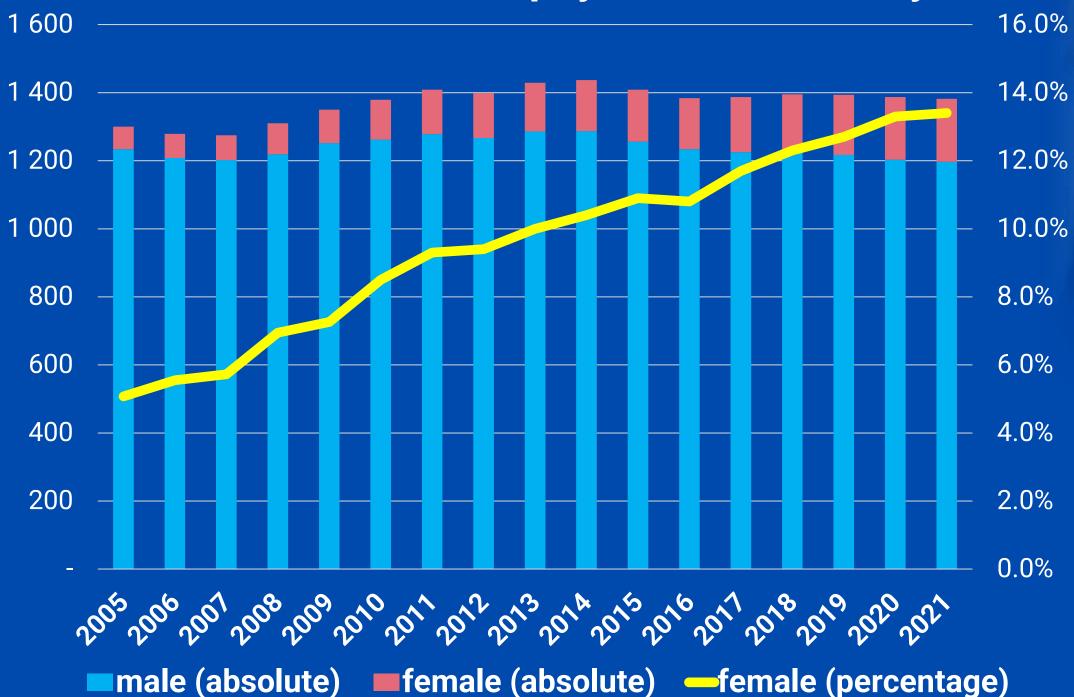


male	female

Male PhD students³

FEMALE RESEARCH LEADERSHIP

Professors of physics & astronomy⁴





WISSENSCHAFTSZEITVERTRAGSGESETZ

Researchers protest Forschende protestieren

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oung researchers: underpaid & exploited?

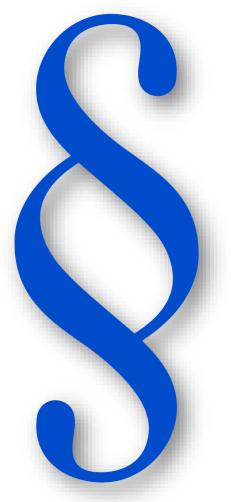
Nachwuchswissenschaftler: **Unterbezahlt & Ausgenutzt?** 16:00

6 years before PhD + 6 years after PhD

Upcoming Regulation

6 years before PhD + 4 years after PhD

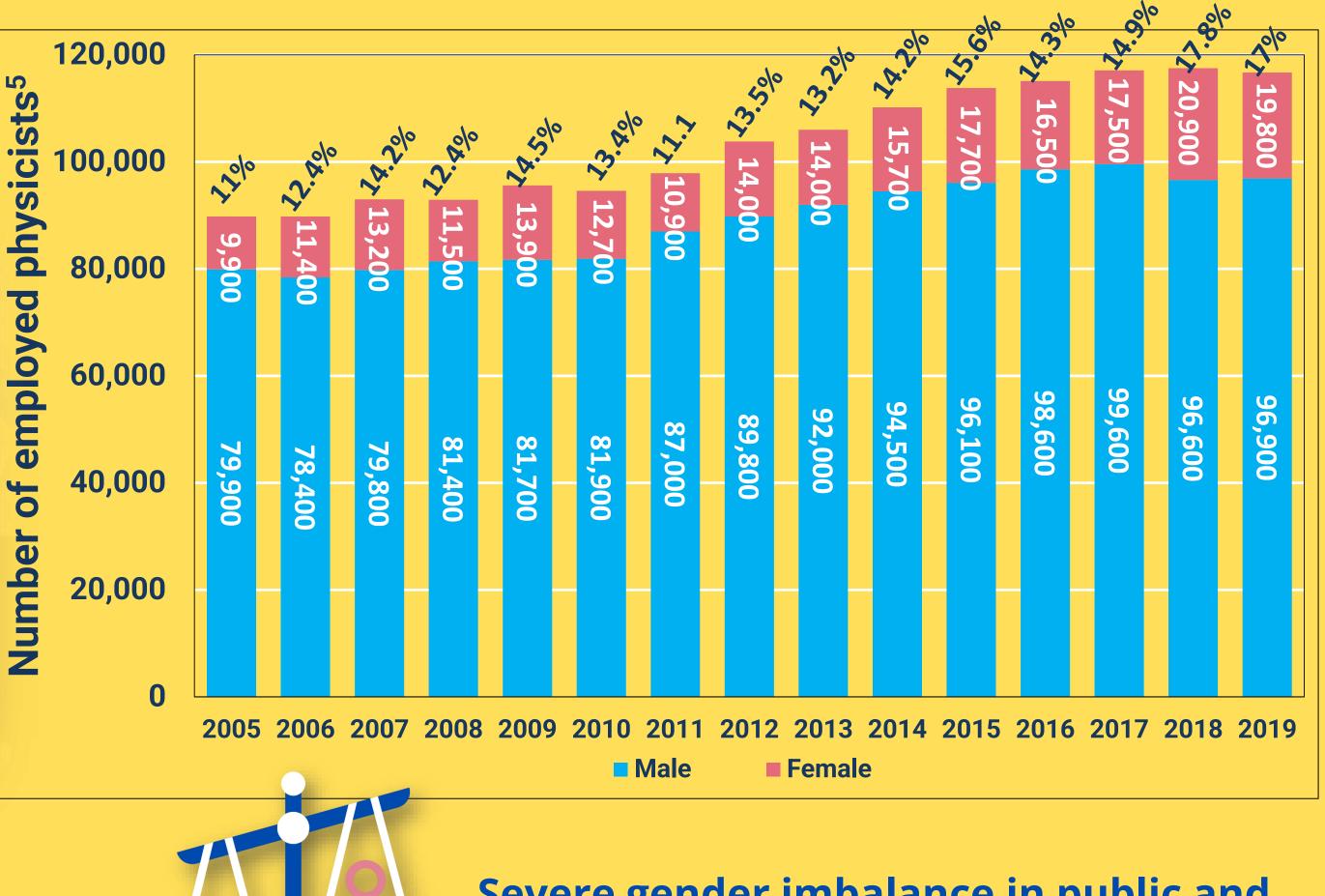
WissZeitVG



Current Regulation

EMPLOYMENT

1



Severe gender imbalance in public and private sectors.

VISIBILITY

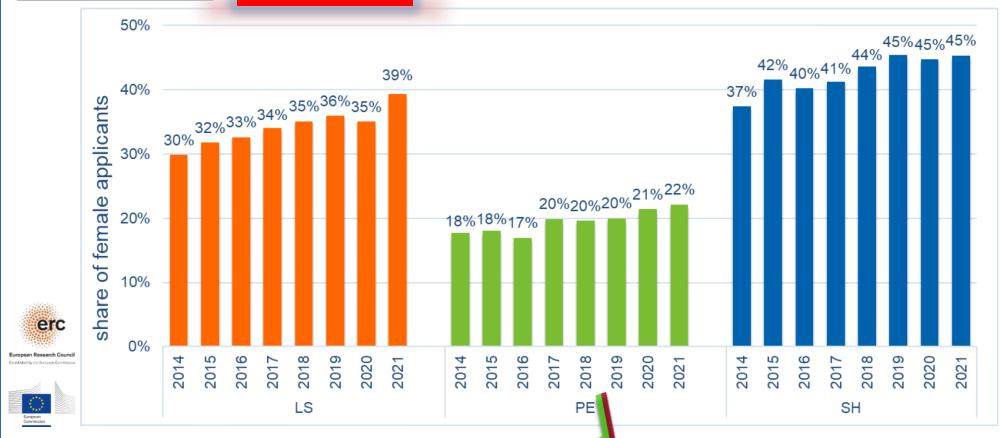
Ratio of Physics Prize Recipients(2021)⁶

female

5%

During the ERC calls between 2014 and 2021, only 19.5 % of the applications received are from women working in the Physical **Science and Engineering (PE)** fields.⁷



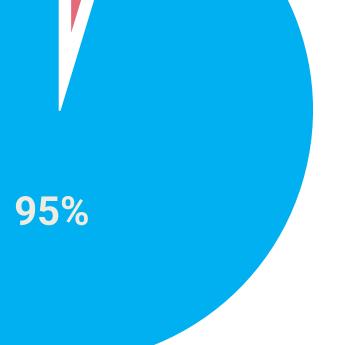


Share Female Grantees by Domain

erc

From the total of **ERC submitted grant** applications, female scientist working in PE fields have a success rate of only 3.4%.⁷





male

Share Female Applicants by Domain

LS(Life Sciences) PE(Physics and Engineering) SH(Social Sciences and Humanities)

LS(Life Sciences) PE(Physics and Engineering) SH(Social Sciences and Humanities)

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- 2. Ağanoğlu, R., Klösgen, B., Sandner, A., & Traulsen, I. (2023), "Managing Work-Life Balance" During the COVID-19 Crisis: A survey with more than 1,500 participants" AIP Conference Proceedings Series, 1-4. <u>https://doi.org/10.48550/arXiv 2303.05447.</u>
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THANK YOU