












ISC matters. Gender Gap in Science Project.






C&CC Meeting, October 2020

 **GENDER GAP IN SCIENCE**
A Global Approach to the Gender Gap in Mathematical and Natural Sciences: How to Measure It, How to Reduce It? SEARCH 

Home **Project**  **Work packages**  **Organization**  **News**

A Global Approach to the Gender Gap in Mathematical and Natural Sciences Description of the three tasks for the project Latest events within the gender gap project

 **INTERNATIONAL COUNCIL FOR SCIENCE**  **International Mathematical Union (IMU)**  **IUPAP**  **UATU**  **IUBS**  **ICIAM**

 **IUPAC** **INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY**  **IUHPST** **International Union of History and Philosophy of Science and Technology**  **UNESCO**  **Gender InSITE** 

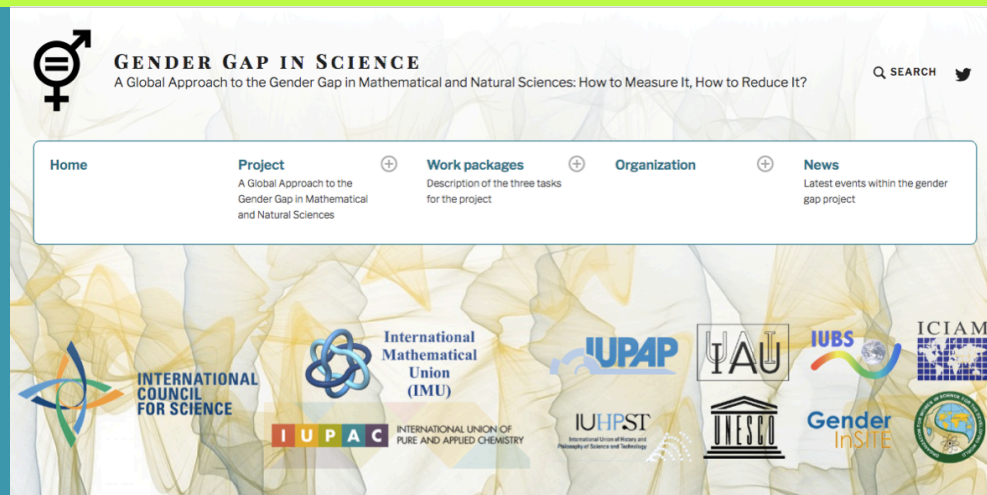
<https://gender-gap-in-science.org/>

Brief reminder

The project entitled

“A Global Approach to the Gender Gap in Mathematics, Natural and Computational Sciences: How to Measure It, How to Reduce It?”

led by IMU and IUPAC, and with the participation of IUPAP and other unions, received an ISC grant for 2017-2019



Three tasks:

- A global survey of scientists including all natural sciences and math that was open in 2018 and received ~34,000 responses
- A study of patterns of publication segregated by gender
- A database of good practice policies (considering regional differences)

I presented some results in London last year. After that, we had the closing conference @ICTP in Trieste, Italy, in November, 2019.

PH y mcs

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ACREDITATION
* GENDER PRACTICES

ICTP COLLOQUIA 2019

Molecular Motors and Switches at Surfaces



Professor **Petra Rudolf**
University of Groningen
The Netherlands

Monday 4 November 2019 at 16:00
Budnich Lecture Hall - Leonardo Building

Training to talk to policy maker

Luisa

j i h a ① * POWER (DATA) - SC - AD

* TOOLS - EDUCATION Google

ON

PRACTICES * WEBINAR

PROJECT * URBNIDER

Nov 2019

Colloquium by Petra Rudolf
Talks, posters, discussions
Session on physics
Discussion that led to SCGES
Piano, pizza & pasta



Final Conference@ICTP

Discussion session on Physics

- 18 participants (among them, Bruce McKellar and Petra Rudolf, current EPS president)
- Coordinated by Gillian Butcher and SPD
- Presentation of IUPAP activities and policies to reduce the gender gap in physics.
- Discussion of other initiatives

Some recommendations

- Policies to enlarge pool of trainers of career development workshops for “young” scientists.
- Workshops to train scientists to talk to policy makers.
- Direct involvement of scientific community in the definition of policies
- App for network of women scientists

Final Report of the Project

Available as a book (pdf downloadable from <https://zenodo.org/record/3882609#.X39wS9UbPfy> or paper copy ordered through Book Repository) with nice cartoons:



There is also a booklet with main results in various languages:

<https://gender-gap-in-science.org/project-book-booklet/>

Other outcomes:

https://www.mitpressjournals.org/doi/pdf/10.1162/qss_a_00090

Home | Quantitative Science Studies | List of Issues | Just Accepted | Authorship in top-ranked mathematical and physical journals: Role of gender on self-perceptions and bibliographic evidence



Authorship in top-ranked mathematical and physical journals: Role of gender on self-perceptions and bibliographic evidence

Helena Mihajević and Lucía Santamaría

Posted Online September 16, 2020
https://doi.org/10.1162/qss_a_00090

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Quantitative Science Studies
-Just Accepted-
p.1-27

Keywords: scholarly communication, peer review, gender bias, statistical modeling, bibliometric bibliometric data analysis

Quarterly
E-ISSN: 2641-3337

More About *Quantitative Science Studies*

Did this report mark the end of the project?

No!

We had a (virtual) coordination meeting in July and we are having another in October.



Future plans:

- Anonymization of survey responses to share them with people interested in their analysis (AIP will pay for working hours on this).
- Maintenance of good practice database@IMU.
- Further analyses of publication patterns (post-doc's project @Berlin).

IUPAP (and others) have committed funds for this.

Standing Committee for Gender Equality in Science

Memorandum of understanding:

To promote gender equality in science, a number of international organizations who took part in the Gender Gap in Science project wish to act together to further promote gender equality in science by continuing and enlarging the work accomplished by this project, by supporting women and girls' equal access to science education and fostering equal opportunity and treatment for females in their careers.

Founding partners (signers of the MOU):

International Mathematical Union (**IMU**); International Union of Pure and Applied Chemistry (**IUPAC**); International Union of Pure and Applied Physics (**IUPAP**); International Astronomical Union (**IAU**); International Union of Biological Sciences (**IUBS**); International Council for Industrial and Applied Mathematics (**ICIAM**); International Union of History and Philosophy of Science and Technology (**IUHPST**); Gender in Science, Innovation, Technology and Engineering (**GenderInSITE**).

IUPAP representatives at SCGES

Rep: Gillian Butcher, UK (Acting VP at large & Gender Champion)

Deputy rep: Rudzani Nemitudi, South Africa
(Associate Secretary General)

Gillian will give more details about this committee

Thank you!