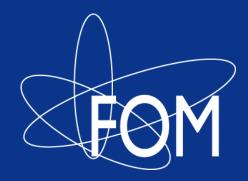






Gender issues in physics a self-made-man's perspective



Wim van Saarloos

OR: yes you can make a difference

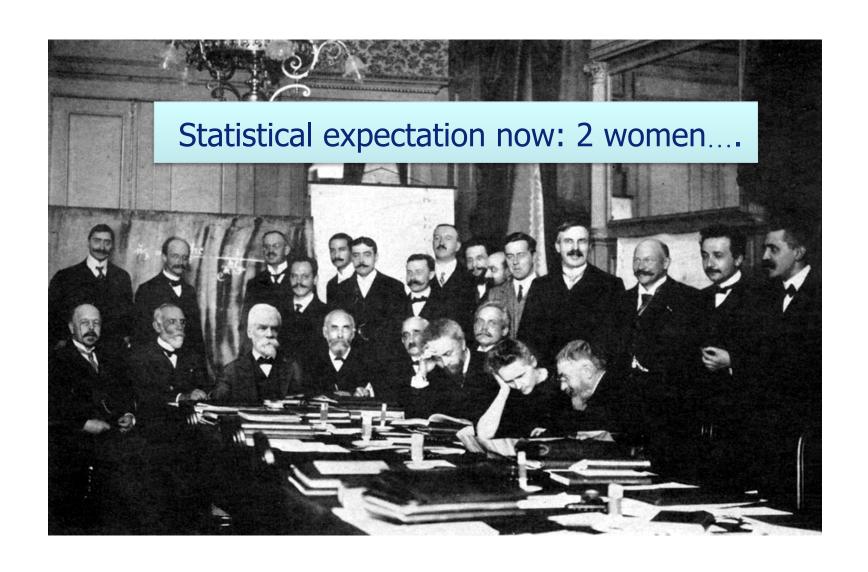
February 10 1917: inaugural address Johanna Westerdijk





First female professor in the Netherlands
In 1919 women acquired voting rights in the Netherlands

1911: first Solvay conference



Marie Skłodowska Curie



Nobel prize physics 1903 for radioactivity

Nobel prize chemistry 1911 for radium and polonium

... but she was kept out of the Academie Française....





Elsevier > About > Press releases > Corporate > Share of Women Res...

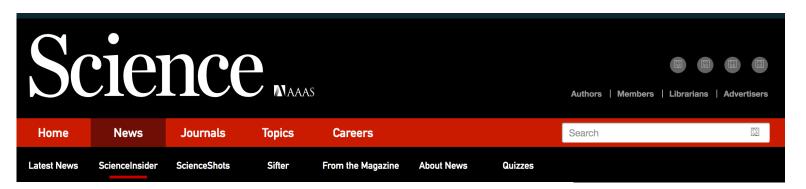
Share of Women Researchers Grows with Their Research as Impactful as Men's

A new study published by Elsevier provides baseline examination of gender in the global research landscape

"Progress is occurring in terms of increased participation of women in research, albeit incrementally and unevenly, which is a sign that efforts to encourage women to engage in research, including in the science, technology, engineering and mathematics (STEM) fields, are gaining traction," said Dr. Holly Falk-Krzesinski, Elsevier's Vice President of Strategic Alliances-Global Academic Relations.



2016







Royal Netherlands Academy of Arts and Sciences President José van Dijck says electing more women won't come at the expense of male candidates.

Milette Raats/Flickr

In bold new step, Dutch science academy holds women-only elections

I think it's truly remarkable. I know of no similar example in any academy.

Frances Henry, York University

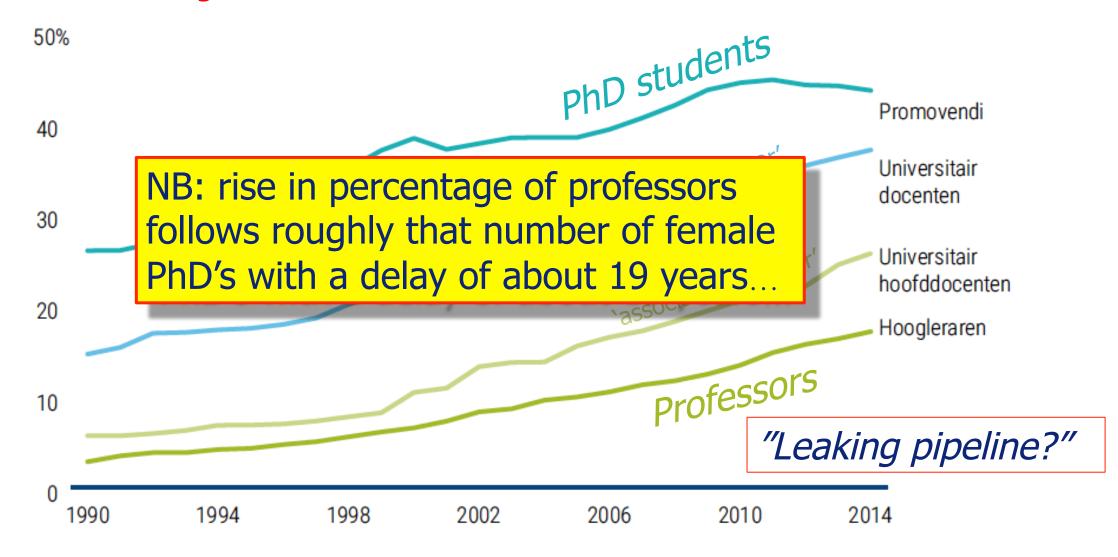
The Netherlands ranks low today…..

Percentage of female professors in all disciplines

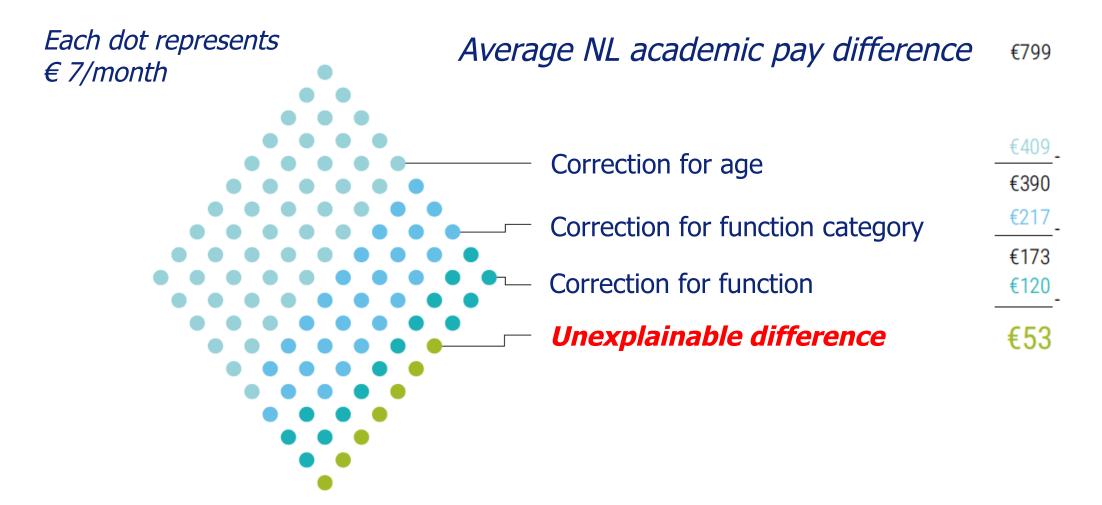


There is progress, but….

Percentage of women in various academic ranks in NL



There still is a pay-gap



Bron: LNVH rapport 'Financiële Beloning Mannen en Vrouwen i

Some 'arguments' for not doing anything

- "Just go for the best"
- "There are no women"
- "Everyone is free to chose"
- "No positive discrimination!"
- "We already pay attention"
- "It already starts at elementary school"
- "Innate differences between men and women"

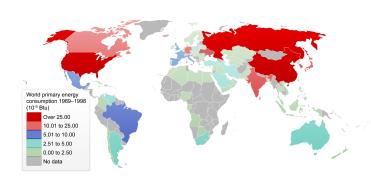


Larry Summers, Harvard president 2005

Why things should change…

- We should not accept our educational system to fail motivating female talent the same holds for dropouts in school, minority groups!
- Science thrives on diversity so we will get better science with a diverse academic staff monoculture gives a lower quality science, on average
- We just need you!
 - shortage of science PhD's
 - global challenges



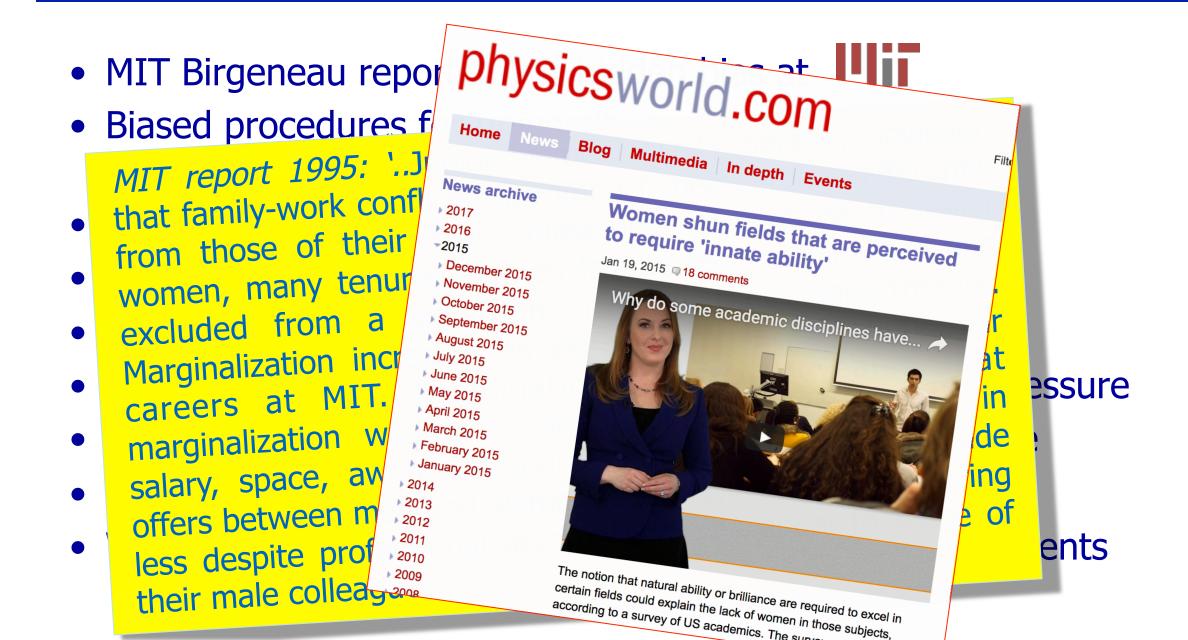


My own motivation dating back to 1997



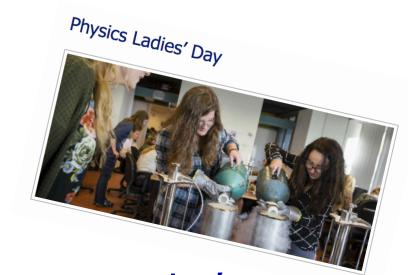


Why are women underrepresented



So we can already distill some lessons

- Get men on board men with daughters are a good target
- Prepare grant-committees for hidden bias (movie, discussion)
- Always (preferably at least two) women on a search committee
- Prefer tenure track path ('automatic' promotion after evaluation)
- Always open searches & scouting
- Get role models
- Put work balance on the agenda
- Avoid hidden 'innate ability' signals
- Special 'Physics Lady days' do help
- Look critically at your open days hire 'women spies'



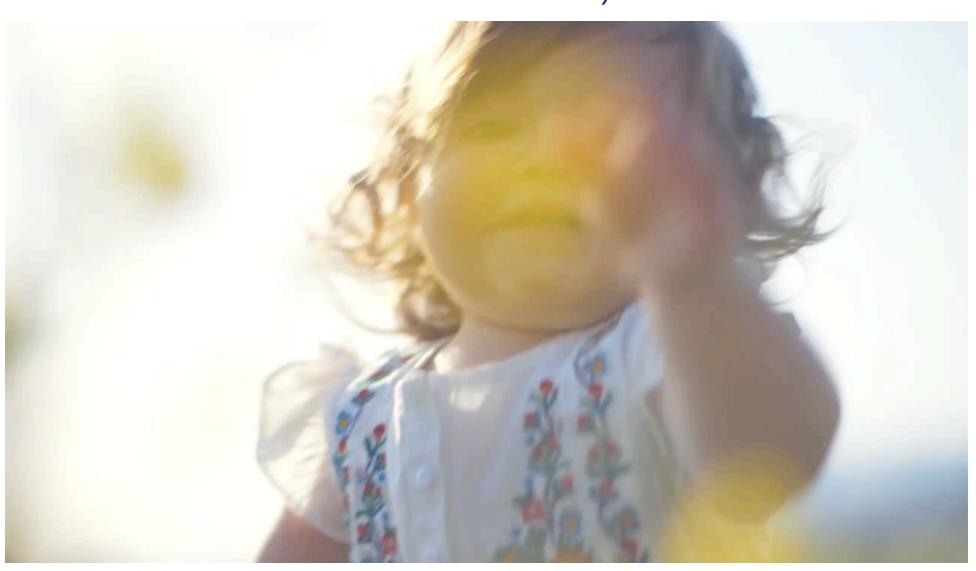
There is progress: Nature Feb 2011



[the study] '.. finds that overt discrimination of the sort that would make a female candidate less likely to be hired, published or funded when competing against an equally qualified male is largely a thing of the past. Instead, trade-offs between pursuing a career and raising a family, coupled with societal factors and gender expectations that can influence professional choices at a young age, are more likely to account for the shortage of women in some fields.'

A nice message about early hidden negative signals

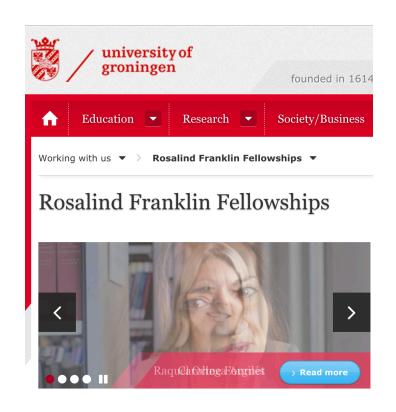
Movie around women's day 2016

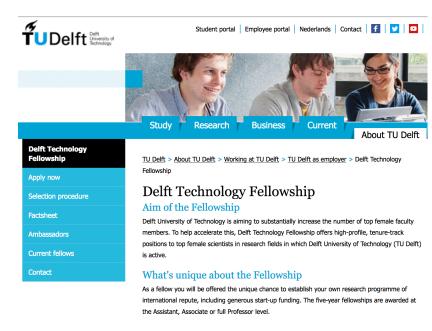


There is no single cause So there is no single solution

'spray-gun approach'

Special programmes for women do make a difference!





MacGillavry Fellowship

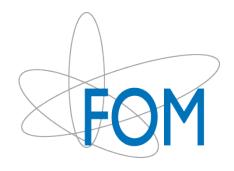
Wervingsprogramma voor vrouwelijk onderzoekstalent

De Faculteit der Natuurwetenschappen, Wiskunde en Informatica stimuleert de diversiteit van de onderzoekers binnen de onderzoeksinstituten.



- ✓ No preselected fields (important!)
- ✓ Often over 100 applicants for a few positions
- ✓ Based on tenure track model (promotion to professor after evaluation)
- ✓ Challenged in court for discrimination but upheld at EU level

1998: start Fom/v programme



- Flexible programme aimed at increasing the number of women in physics
- Over 13-fold more female professors since 1998!
- Simple start…..



Start 1998

• Aid to universities in attracting women 'rooftile constructions'; FOM sometimes 'broker'

Special postdoc positions

 Minerva prize for the best publication by a women



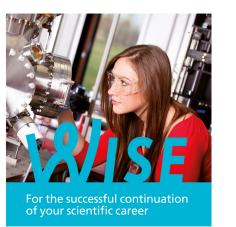


Gradually expanded into...

- Two-yearly women physics days
- Create awareness about giving implicit negative signals to women evening for group leaders with actors at yearly physics meeting
- Workshop 'are you really chosing the best?' for management
- Mentoring programme for women in the FOM-organisation
- Stiff targets for our own organisation, also for support positions
- Stimulate scouting ('my most wanted women' list at institutes)
- Faculty positions for women through national committee
- Wise Women in Science Excel programme to attract female researchers at national institutes
- Daycare at the national physics conference
- Doublecheck female-friendlyness of job-ads
- Pay attention to composition of committees



Women in physics day



Yes we can!



Small initiatives do help!

You can make a difference!

Suggestions for discussion

- Do you have additional 'best practices'?
- Does your organisation have a 'gender-instruction' for committees?
- Would a women-friendlyness mark for departments help?
- What should we do to put the 'two-body problem' on the agenda?