

Diversity in the Cultures of Physics

A European Summer School Project



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NORNDiP Conference 2018





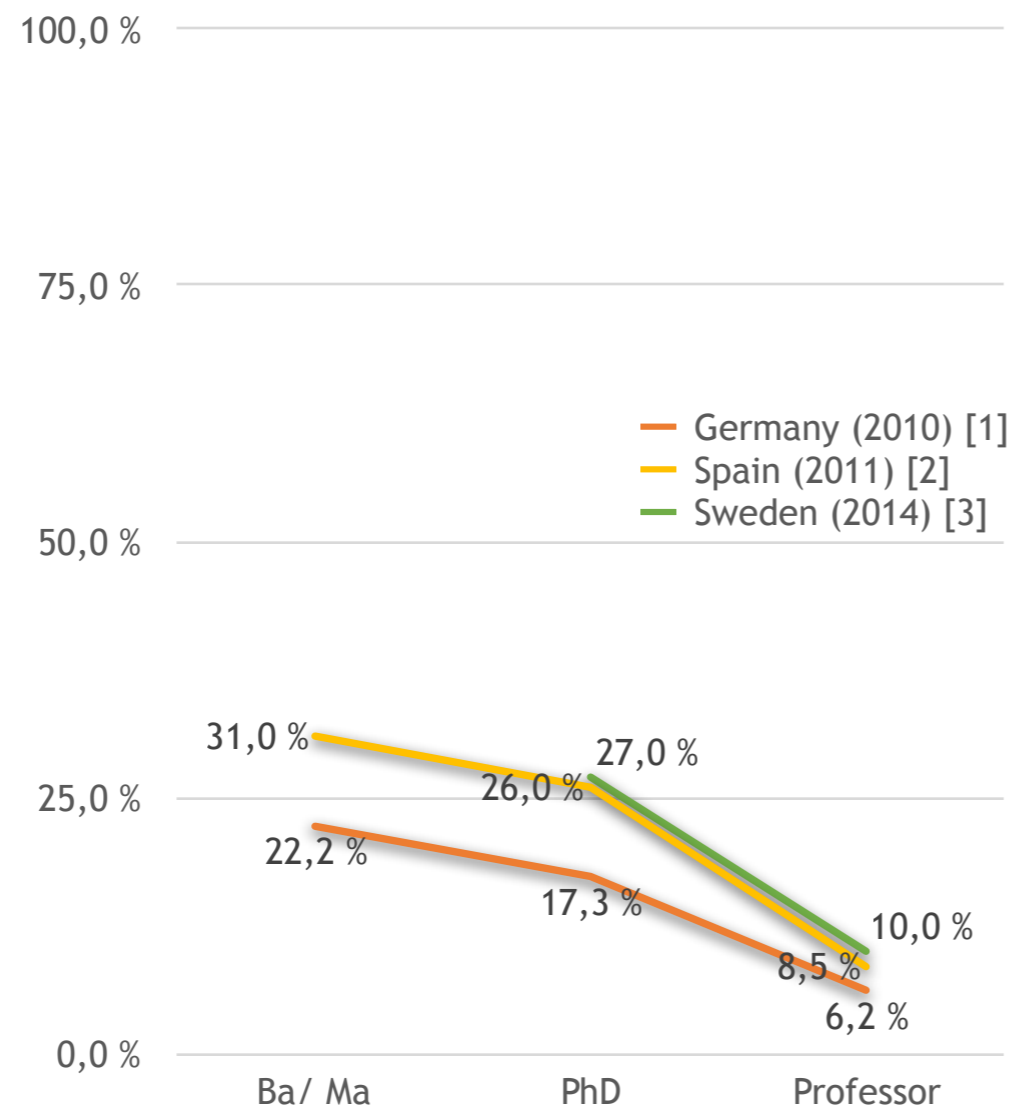
Outline

- The situation in the physics community
- The summer school
- An international partnership
- Highlights

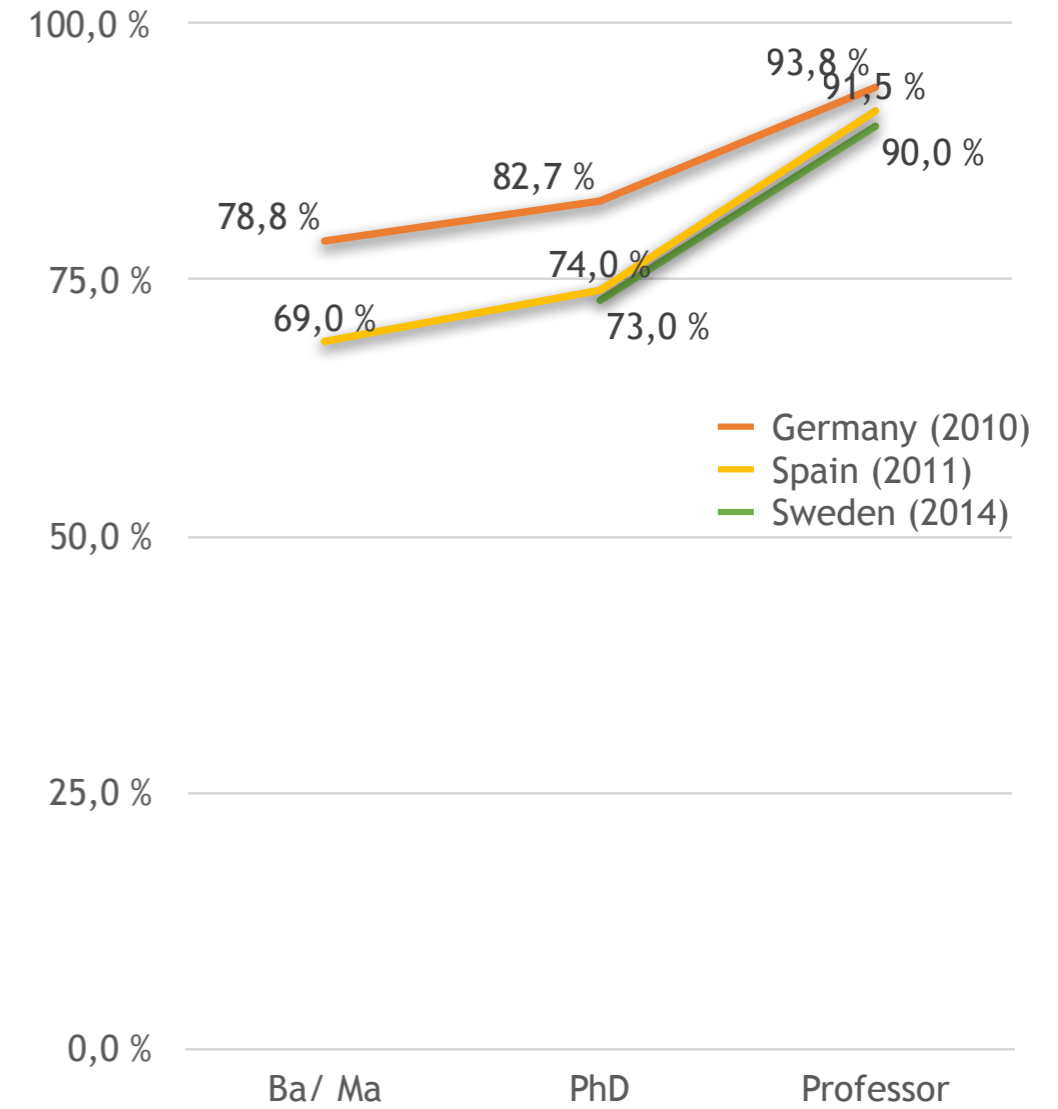


Diversity? The situation in physics

Womens' Career in Physics



Mens' Career in Physics



[1] https://www.dpg-physik.de/dpg/gliederung/ak/akc/Publikationen/Meyer_Statistiken_DPT-2012.pdf

[2] https://www.researchgate.net/profile/Maria_Yzuel/publication/241616592_Status_of_Women_in_Physics_in_Spain/links/0a85e534428392844a000000/Status-of-Women-in-Physics-in-Spain.pdf

[3] http://www.fysikersamfundet.se/wp-content/uploads/2017-GiPD-CERN-WiP-Sweden_final.pdf



Diversity? The situation in physics

- Few women in physics, high drop out rate
- Possible reasons
 1. Society/family expectations
 2. Structures (academy shaped by and for men)
 3. Role models
 4. Discrimination

2-4 Our responsibility within academia



Our part of the solution: A summer school!

- Empowerment
 - New role models
 - Networks
 - Identity
- Understand structures
 - Recognise
 - Strategies
- Inspiration
 - Physics!
 - Visits and projects



Strategic Partnership in Erasmus+

- Locations with strong physics departments & contacts to gender&science studies
- Together applied for Erasmus+ funding for a 3 year project
- Project contains
 - ▶ Bilateral Summer Schools - targeted at women physicists
 - ▶ Comparison of Outreach Activities to pupils
 - ▶ Creation of teaching materials for gender&physics seminars



The Project is funded
by the European Union

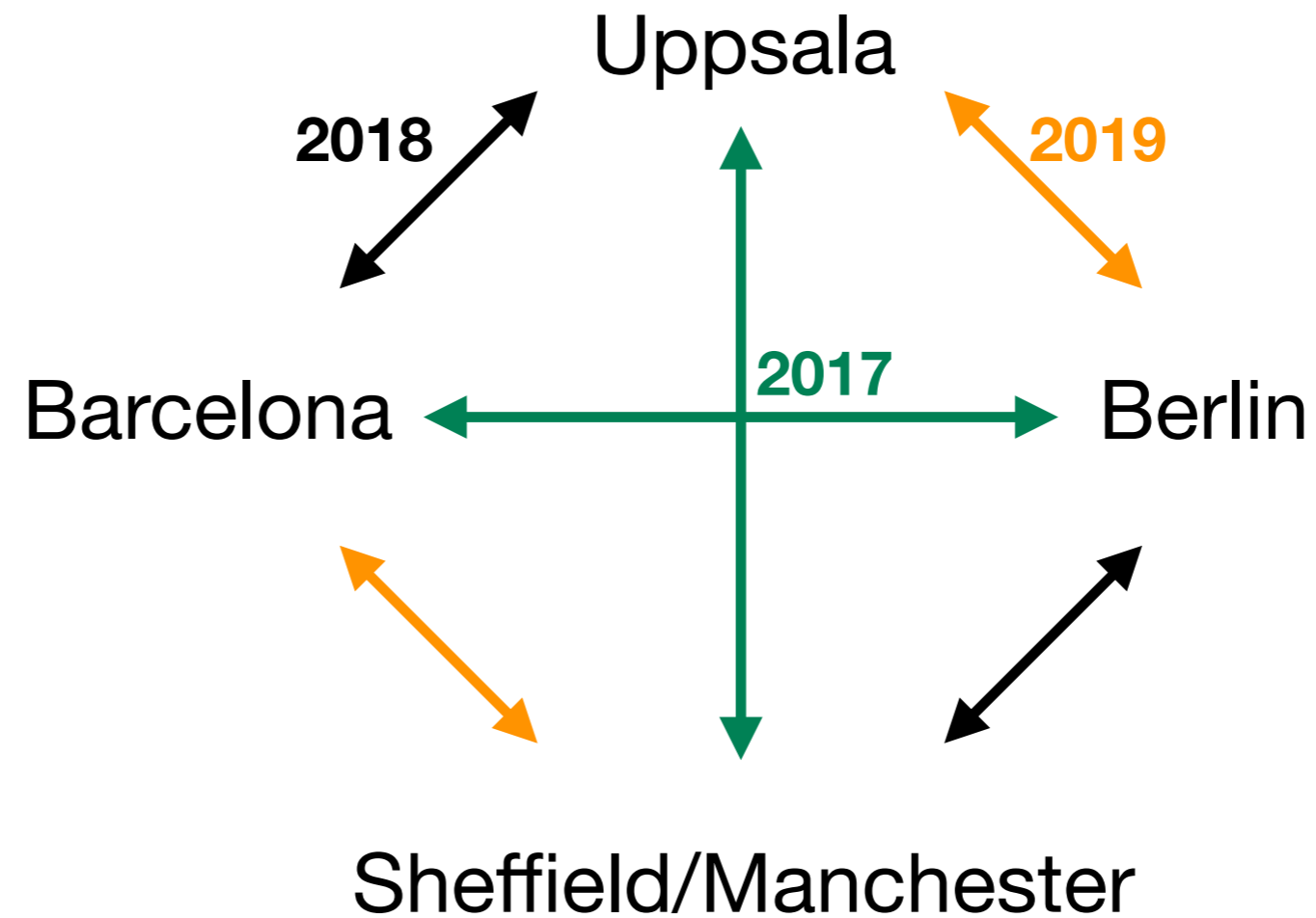


The creation of these resources has been (partially) funded by the ERASMUS+ grant program of the European Union under grant no. 2016-1-DE01-KA203-002918. Neither the European Commission nor the project's national funding agency DAAD are responsible for the content or liable for any losses or damage resulting of the use of these resources.





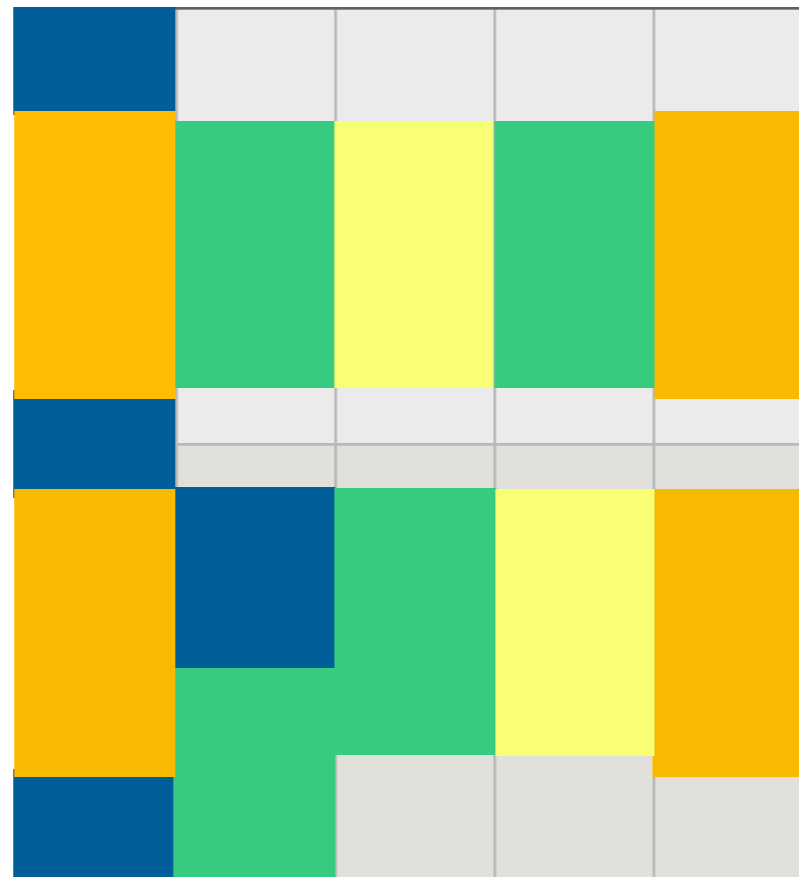
A bilateral summer school





Example of the schedule

Week 3



Week 4





Goal for the participants

- Physics and group projects:
 - ▶ New fields of research
- Gender studies:
 - ▶ Multiple aspects
 - ▶ A problem does not magically solve itself
- Networking:
 - ▶ **Peer to peer** between the participants
 - ▶ **International** between the participating universities
 - ▶ **Transgenerational** students - teachers/researchers
 - ▶ **Interdisciplinary** physics - gender studies



Highlights

- Master suppression techniques
 - ▶ Malin Ekström
HR strategist, competence development equal treatment
Region Uppsala
- Facts and factoids on brains
 - ▶ Isa Dussauge
Dept. of History of Science and Ideas
Uppsala University
- Mini projects in research groups
- Unconscious bias
 - ▶ Pete Jones
Shire Professional Chartered Psychologists



Discussions at the end of the school

- Targeted at gender minorities
 - ▶ Scholarship for women
 - ▶ New level of discussions
 - ▶ “Safe space” for heavier topics
- Overwhelmingly positive responses from the participants



Quotes

“ I feel building companionship and sorority amongst female physicists is key to overcome the issues we may face in the future as women in Physics[...] ”

“ I feel backed up by a feeling of belonging, because now I know there are people with whom I share similar experiences[...] ”

Further Information

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Thank you!

