

Gender and Diversity in Teaching - Added Value for Science

Gender Summit 3, North America
14th of November, Washington D.C.



© shebusiness.com

Univ.-Prof. Dr. Carmen Leicht-Scholten, RWTH Aachen University

Gender and Diversity in Engineering
Faculty of Civil Engineering
RWTH Aachen, Germany

Welcome to Aachen!



© youeuropemap.com

RWTH Aachen University

498 Professors



37.917 Students



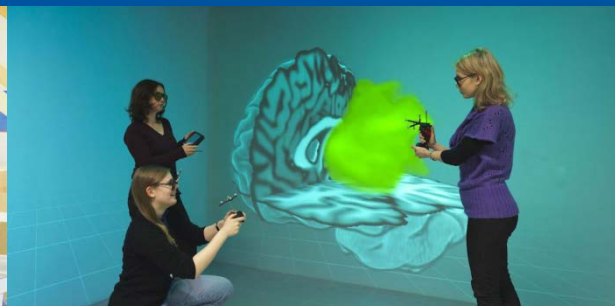
793.6 million € Budget



1.900 Non-academic staff



3.000 Staff from Third-Party Funding



2.000 Research assistants

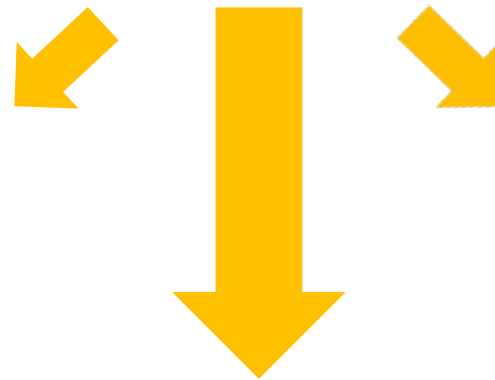


130 Courses of study

RWTH Aachen University

For the second time in a row, RWTH Aachen University has succeeded in the **Excellence Initiative** by the German federal and state governments, thus being able to consolidate its leading position within the German research landscape in the years between 2012 and 2017.

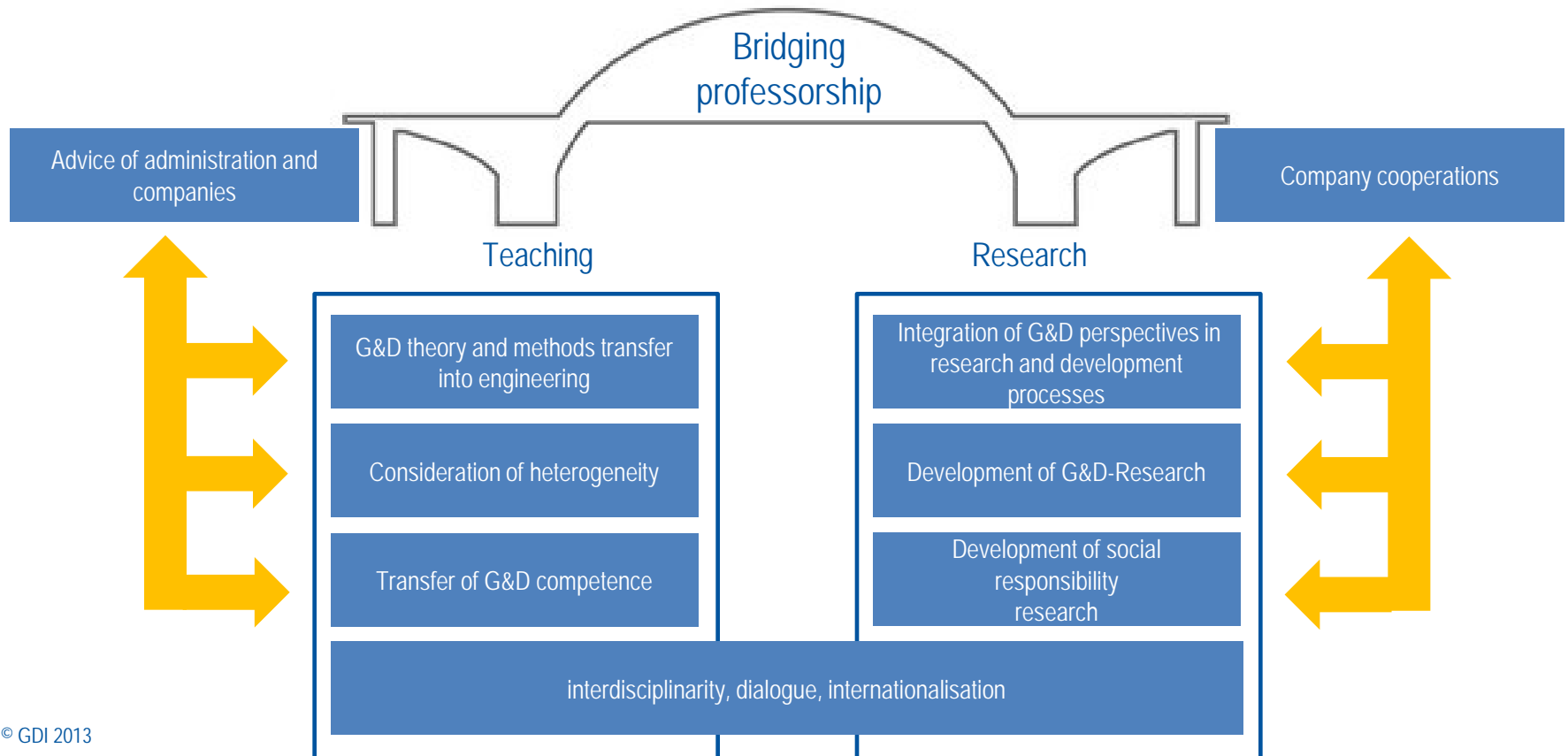
Division of
Neuropsychological Gender
Studies at University Hospital
Aachen



Professorship of Sociology
with a focus on gender and
technology in the Faculty of
Arts and Humanities

Professorship for
Gender and Diversity
in Engineering

RWTH Aachen University – Being a pioneer: Bridging Professorship Gender and Diversity in Engineering (GDE)



Outline

1. Focusing on Gender and Diversity to face Global Challenges
2. Gender and Diversity in SET
3. Gender and Diversity Modules in Science
4. Perspectives
5. Points for Discussion

1. Focusing on Gender and Diversity to face Global Challenges

Major Global Challenges



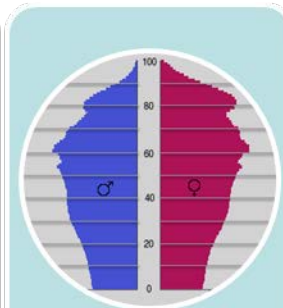
Mobility




Health



Energy



Demography



Climate

Knowledge
Society



Source: GDI 2013, Images:
Wikimedia Commons

1. Focusing on Gender and Diversity to face Global Challenges

The Importance of Gender and Diversity Aspects



Current economic, social and political conditions demand for new strategies to future global challenges



In the competition for the most qualified and bright people new strategies are required and institutions of higher education have to act increasingly according to the needs of the market



in particular women and minorities have to be addressed, included and promoted within the educational system otherwise these institutions will face severe problems in the future

„Excellence in education depends on
diversity.“

(Lawrence Summers, president of Harvard University 2004)

2. Gender and Diversity in SET – Aims for Teaching and Study

- Sensitizing through knowledge transfer for students and teachers
- Integration of gender and diversity aspects in curricula of different areas of specialisation
- Mediation of gender and diversity competences through a combination of theoretical foundation and application-oriented examples



2. Gender and Diversity in SET – Possibilities of Curricular Anchorage

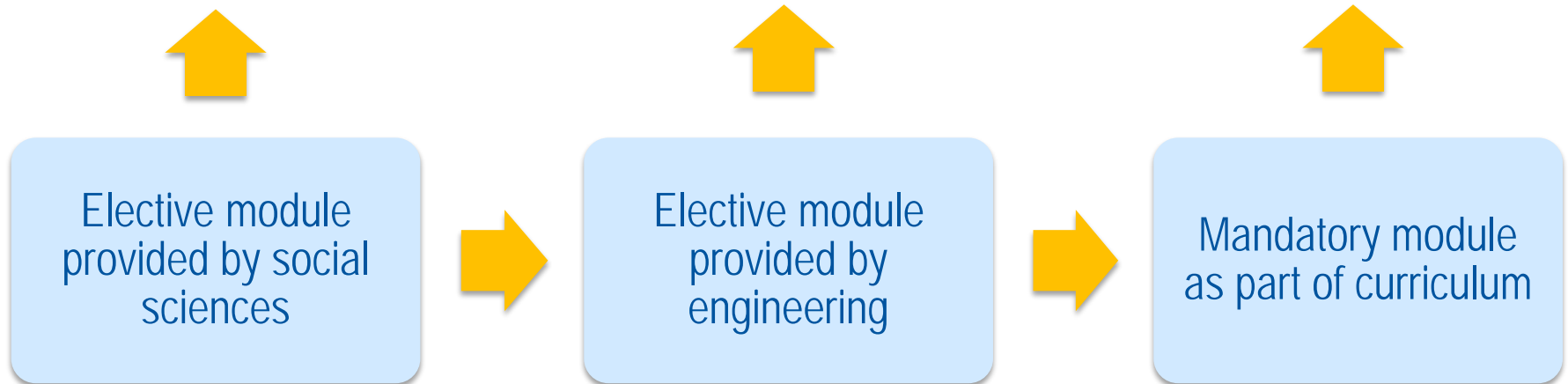
- Integrated lectures
- Mediation of gender and diversity competences
- Instructions and advanced trainings for instructors
- Integration of specialist aspects of gender and diversity research in different subject modules



© Peter Wimandy

3. Gender and Diversity Modules in Science

Gender and Diversity in Science



© GDI 2013

3. Gender and Diversity Modules in Science

Mandatory module as part of curriculum



RWTH Aachen University:
Introduction Gender and Diversity Perspectives:
Discussion of social questions with regard to the
area of specialisation in civil engineering

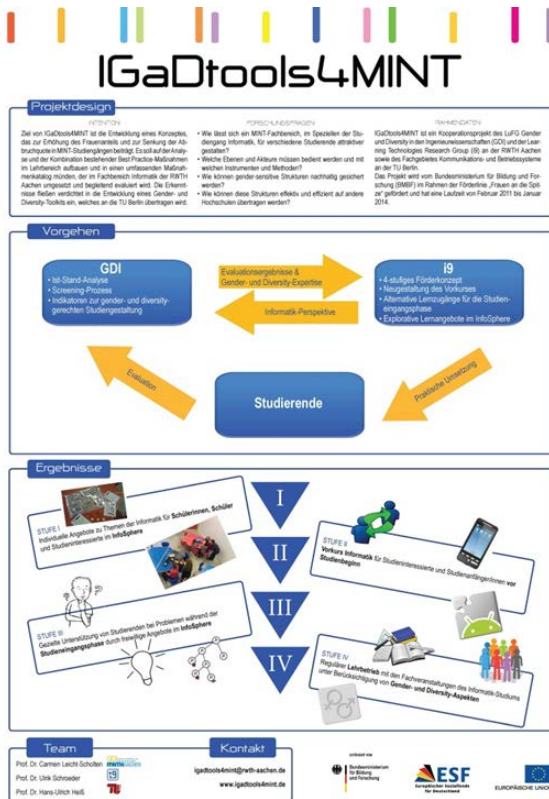


© rwth-aachen.de

4. Perspectives

Innovative, interdisciplinary research projects at GDE

IGaDtools4MINT



buildING|bridges



5. Points for Discussion

- The integration of gender and diversity perspectives in education is crucial to foster innovative research
- Is there a best solution of integrating gender and diversity perspectives in teaching?
- Or should there be different ways for different organisations?
- Credit Points as the lowest common denominator?





The Aachen Way

Thank you for your attention!

Univ.-Prof. Dr. phil. Carmen Leicht-Scholten

RWTH Aachen University
Department of Gender and Diversity in Engineering
Templergraben 55
52056 Aachen
Germany

www.rwth-aachen.de