

# PHYSICAL GEOGRAPHY: ENVIRONMENTAL HISTORY

Introduction to the new

Master of Science Program in Geography



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- A wide-angle photograph of a desert landscape with rolling sand dunes in the background and a calm body of water in the foreground. The sky is clear and blue.
- ▶ Interdisciplinary research
  - ▶ Internationalisation
  - ▶ Bridging a gap for geography study programs

## WHY A NEW M. SC. PROGRAM?



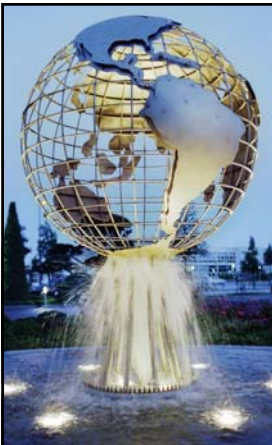
In the framework of our national and international research projects we realised during the past years that

- ▶ Young scientists need to be better prepared for interdisciplinary research,
- ▶ Interdisciplinary qualification is necessary for leading climate and environmental research,
- ▶ Job perspectives after an interdisciplinary training program are promising.

⇒ **There is a need for an interdisciplinary master program!**



## INTERDISCIPLINARY RESEARCH

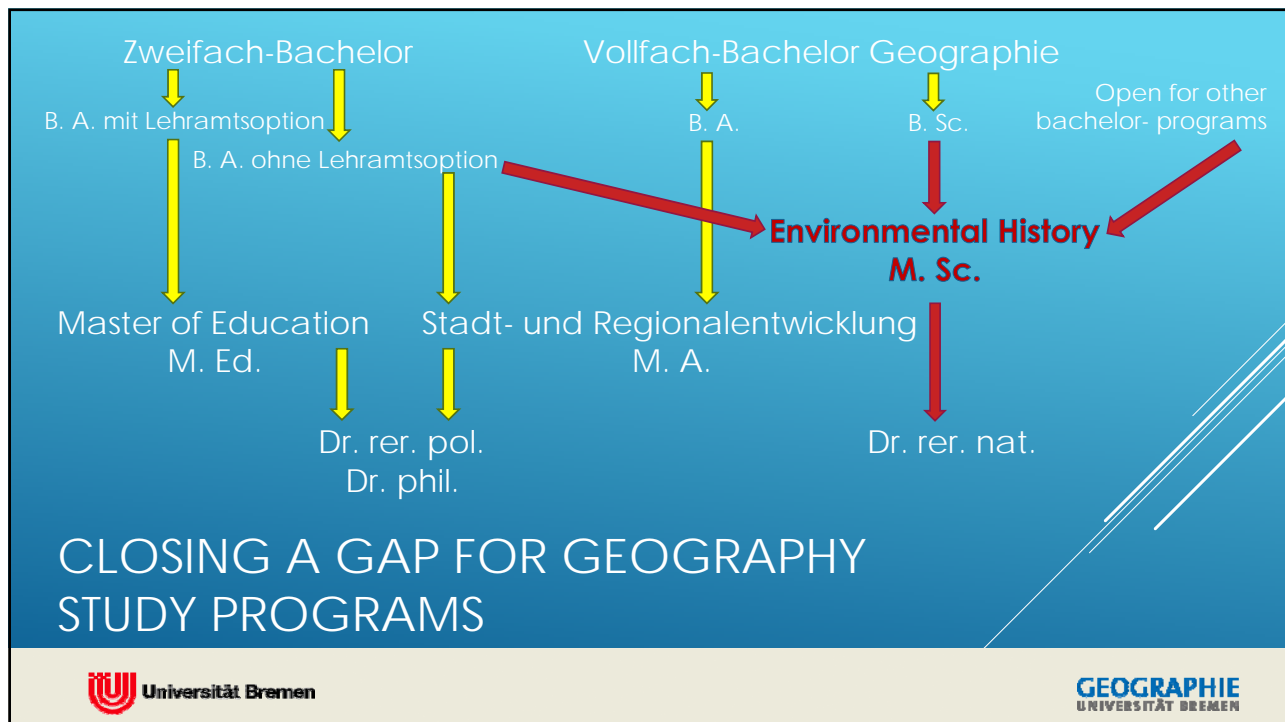


Currently there are ca 250 Mio. students around the world, 2% of which are international students, a number that increased considerably during the past years and will even more in the near future. In consequence there is a

- ▶ Growing market in higher education,
- ▶ An increasing number of German students who want to be well-prepared for the international job market by studying a master program in English language,
- ▶ An increasing number of foreign students, who wish to study abroad (i.e. in Germany without tuition) in the science-language English.

⇒ **There is a need for an international master program!**

## INTERNATIONALISATION



**Bernd Zolitschka**  
 Inst. of Geography  
 (coordinator)

**Benjamin Marzeion**  
 Inst. of Geography

**Michael Flitner**  
 Inst. of Geography  
 and artec

**Uta Halle**  
 Inst. of History and  
 State Archaeology

## SUPPORTING PROFESSORS

**Universität Bremen** **Fachbereich FB 08 Sozialwissenschaften**

## Fachbereich Geowissenschaften (FB5) der Universität Bremen

**Institut für Geschichtswissenschaft**  
an der Universität Bremen / Fachbereich 8



LANDESARCHÄOLOGIE BREMEN



## COOPERATING INSTITUTIONS



### 1. Semester – Introductory Phase

EH-RP1  
Research Process I  
(3 CP)

Compulsory  
Module

Elective  
Module

PG-CL1  
Climatology I  
(9 CP)

PG-EA1  
Lacustrine Environmental Archives I  
(9 CP)

PG-VA1  
Vegetation History and Archaeobotany I  
(9 CP)

PG-AR1  
Archaeology I  
(9 CP)

PG-EP1  
Environmental Physics I  
(9 CP)

MAR-C1  
Climate Change I  
(9 CP)

### 2. Semester – Advanced Study Phase

PG-CL2  
Climatology II  
(6 CP)

PG-EA2  
Lacustrine Environmental Archives II  
(6 CP)

PG-VA2  
Vegetation History and Archaeobotany II  
(6 CP)

PG-AR2  
Archaeology II  
(6 CP)

PG-EP2  
Environmental Physics II  
(6 CP)

MAR-C7  
Climate Change II  
(6 CP)

PG-CBA  
Computer-based Analyses  
(6 CP)

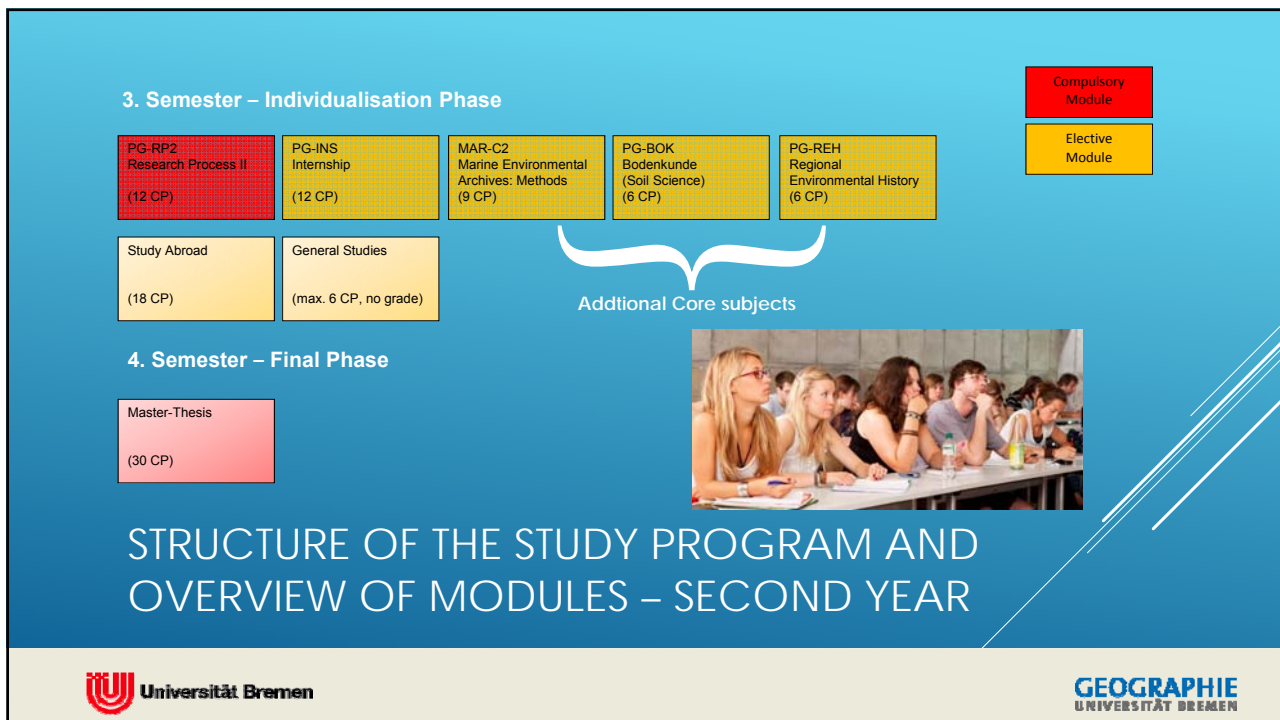
PG-HPE  
Historical Political Ecology  
(6 CP)



Consecutive  
Core  
Subjects


## STRUCTURE OF THE STUDY PROGRAM AND OVERVIEW OF MODULES – FIRST YEAR






- ▶ Climatology
- ▶ Marine geosciences and climate modelling
- ▶ Palaeolimnology: lake sediment studies
- ▶ Prehistoric, settlement and maritime archaeology
- ▶ Remote sensing and radiometric dating
- ▶ Sustainability studies
- ▶ Vegetation history and archaeobotany

**TOPICS FOR SPECIALISATION**



 **Universität Bremen**

**GEOGRAPHIE**  
UNIVERSITÄT BREMEN



- ▶ Degree: Master of Science (M. Sc.)
- ▶ Duration: 2 years (120 CP/ECTS)
- ▶ Admission requirements:
  - ▶ English proficiency level C1
  - ▶ B. Sc. in a related geoscientific field with 180 CP/ECTS
- ▶ Teaching language: English
- ▶ Application deadline: April 30
- ▶ Start of the program: October, 1 2016



## IN BRIEF



We look forward to the start of this  
new interdisciplinary master program

