



Brandenburg University of Technology Cottbus - Senftenberg

16th September 2014

EMMAaia 2014 workshop

Cottbus, Germany

OUTLINE

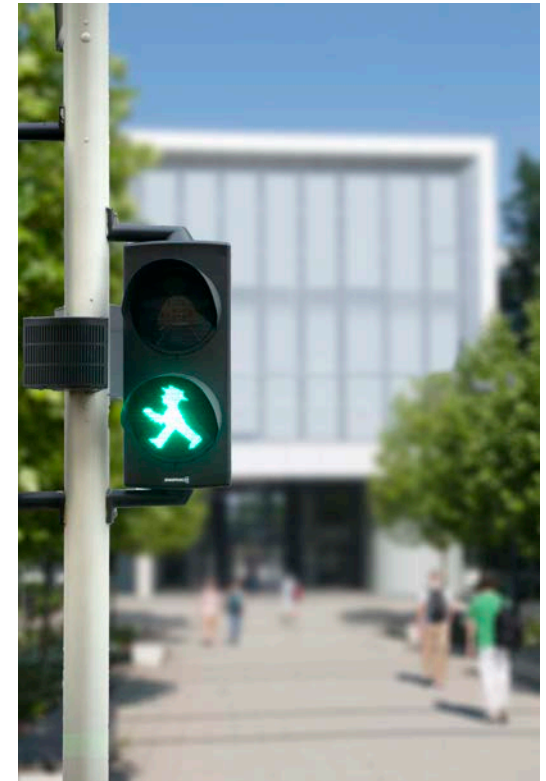
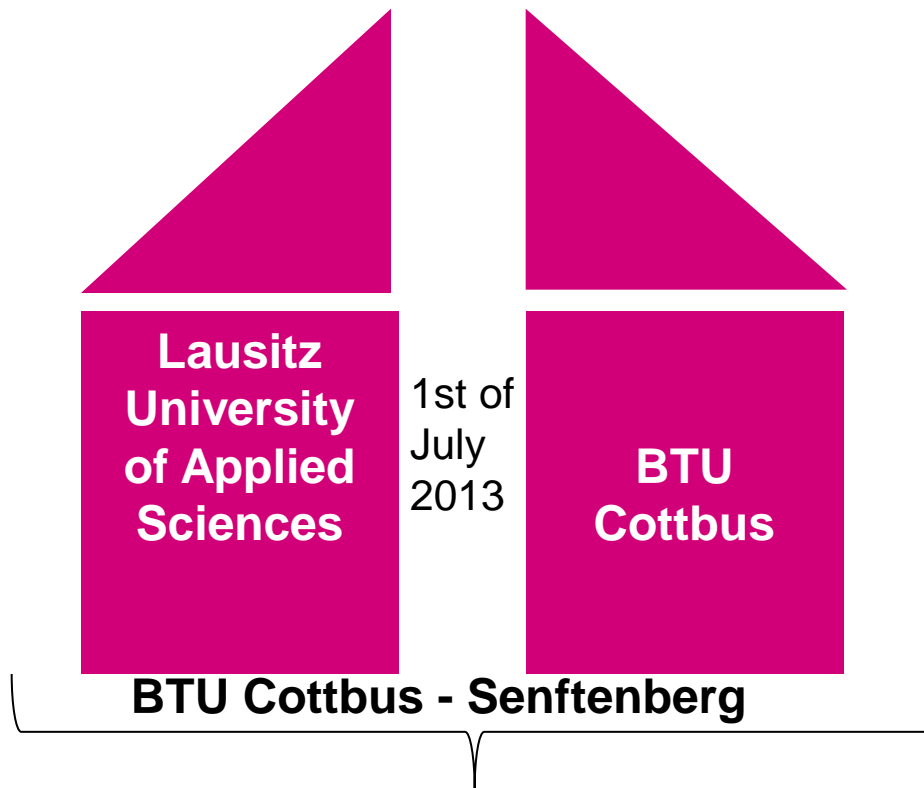
- 01 History and Reorganisation**
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01 History and Reorganisation

HISTORY AND REORGANISATION

A Fresh Start for BTU Cottbus - Senftenberg

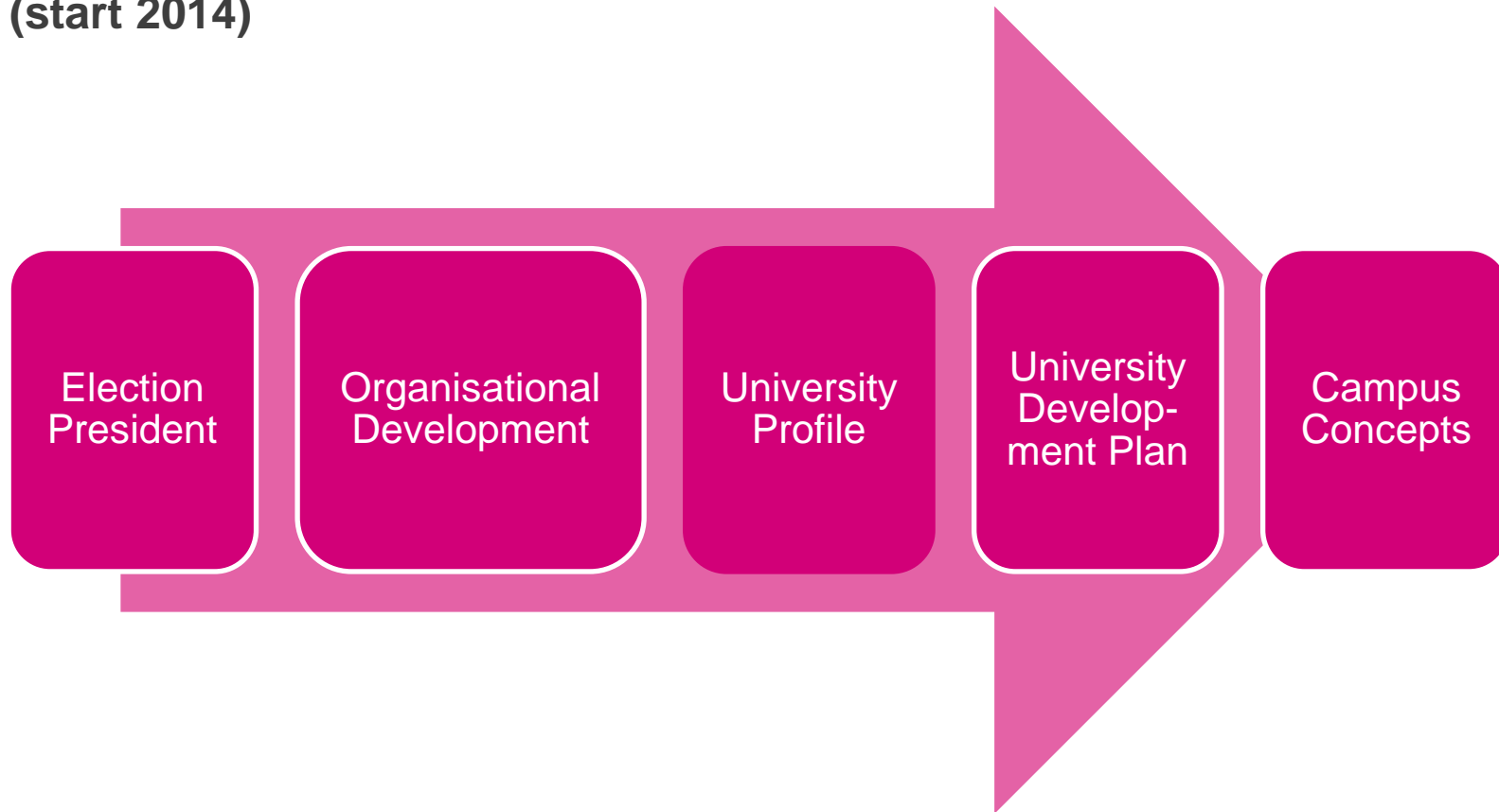
- The only University of Technology in the State of Brandenburg
- One of the youngest universities in Germany, but more than 20 years of experience from predecessor institutions (BTU Cottbus, Lausitz University of Applied Sciences)



Main Building, Main Campus

HISTORY AND REORGANISATION

Milestones within the Reorganisation Process (start 2014)



02
Facts and Figures

02. FACTS AND FIGURES

Overview

9,500 students, thereof **1,600 international students** from more than 100 countries

227 professorships

711 research officers, there of 378 third-party funded

714 non-scientific staff, there of 79 third-party funded

General budget 2012: 64.5 Mio. €

14.7 Mio. € (former HS Lausitz),

49.8 Mio. € (former BTU Cottbus)

Third-party funding 2012: 35.2 Mio. €

9.0 Mio. € (former HS Lausitz),

26.2 Mio. € (former BTU Cottbus)

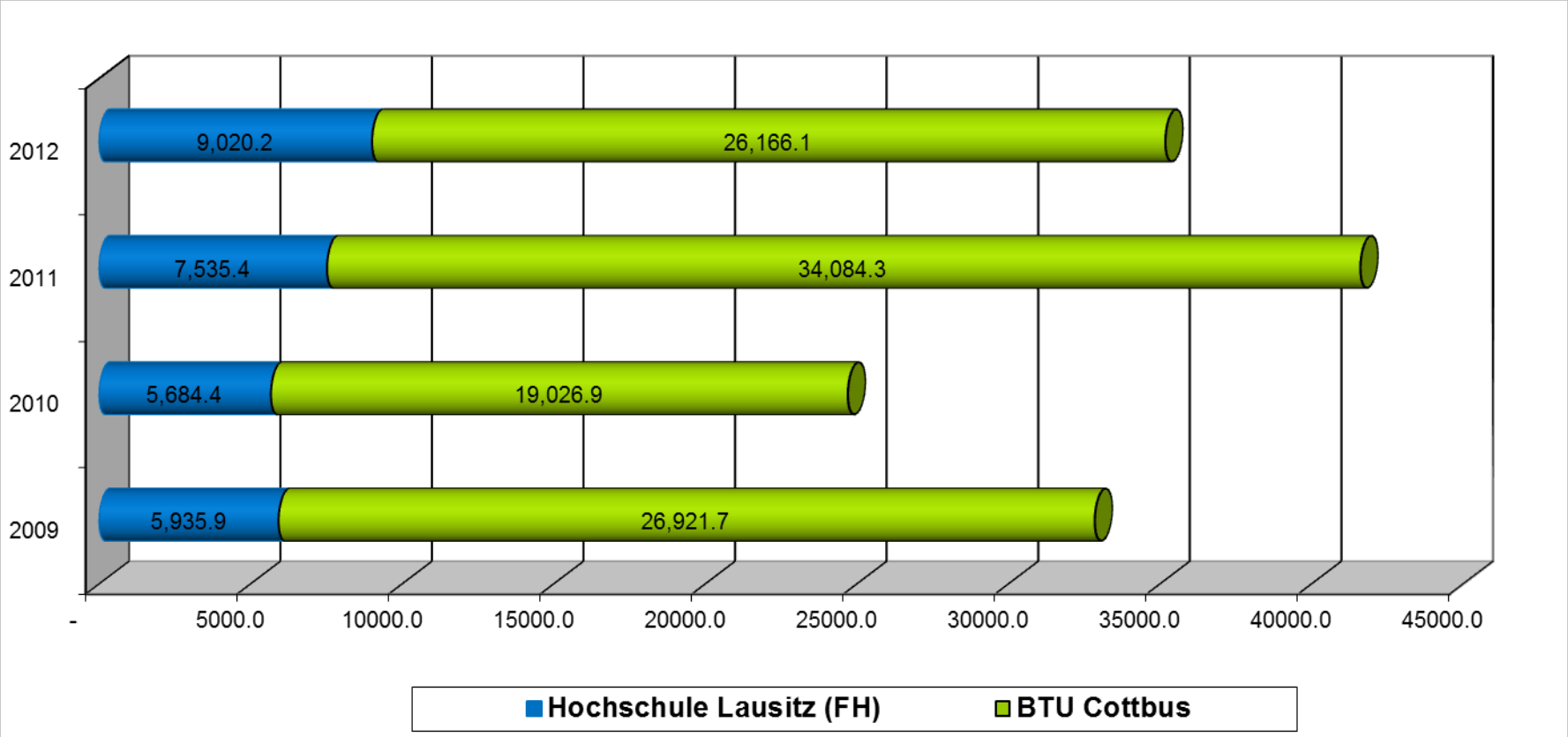
General budget 2014: 82 Mio. €



Main Building, Main Campus

02. FACTS AND FIGURES

Third-party funding 2009-2012



02. FACTS AND FIGURES

FACULTIES

- Mathematics, Natural Sciences and Computer Science (Faculty 1)
- Architecture, Civil Engineering and Urban Planning (Faculty 2)
- Mechanical, Electrical and Industrial Engineering (Faculty 3)
- Environmental Sciences and Process Engineering (Faculty 4)

- Engineering and Computer Science (Faculty 5)
- Natural Sciences (Faculty 6)
- Business Administration and Social Sciences, Music Education (Faculty 7)
- Construction (Faculty 8)

CAMPUS SIZE

Main Campus Cottbus

land area approximately 300,000 m² · effective area 82,000 m²

Campus Senftenberg

land area approximately 87,191 m² · effective area 22,964 m²

Campus Cottbus-Sachsendorf

land area approximately 63,966 m² · effective area 13,767 m²



Konrad Zuse – Media Centre, Senftenberg

02. FACTS AND FIGURES

Institutes and Research Centres

- Brandenburg Centre for Energy Technologies (CEBra)
- Research Centre Landscape Development and Mining Landscapes (FZLB)
- David-Gilly-Institute for Higher Education, Research and Communication in Civil Engineering (DGI)
- Centre for Human Ecology (HöZ)
- Centre for Law and Administrative Issues (ZfRV)
- Center for Flow and Transport Modelling and Measurement (CFTM²)
- German-Polish Centre for Public Law and Environmental Network (GP PLEN) – Joint Scientific Institute of BTU (BTU) Cottbus - Senftenberg and Wrocław University (Wrocław)
- Centre for Student Acquisition and University Preparation (College)

02. FACTS AND FIGURES

CENTRAL DEPARTMENTS

- Information, Communication and Media Centre (IKMZ)
 - Multimedia-Centre
 - University Library
 - Operations Data Processing
- Language Centre (ZES)
- Centre for Continuing Education (ZfW)
- University Sports Centre (ZEH)
- Central Workshop

03 TEACHING PROFILE

ALL UNDER ONE ROOF

- More than 70 attractive, innovative, and job market-oriented study programmes on 3 campuses
- Application-oriented Programmes and research-oriented Programmes under one roof
- Broad range of disciplines from natural sciences and engineering, business and cultural sciences to social and health sciences
- Part-time studies, studying and working etc...



Staircase in the Information, Communication and Media Centre

STUDY PROGRAMMES AT THE BTU COTTBUS - SENFTENBERG

	Research-oriented Programmes		Application-oriented Programmes	
BUILDING ACTIVITIES				
Architecture	B.Sc.	M.Sc.	B.A.	M.A.
Architecture / Architektura (German – Polish)			B.A.	
Civil Engineering	B.Sc.			
Civil Engineering – Civil Engineering		M.Sc.		
Civil Engineering – Structural Engineering		M.Sc.		
Civil and Facility Engineering			B.Eng.	
Climate Adopted Construction and Operation				M.Eng.
Building and Conservation		M.Sc.		
Urban and Regional Planning	B.Sc.	M.Sc.		
Urban Design – Revitalization of Historic City Districts (English)		M.Sc.		
Heritage Conservation and Site Management (English)		M.A.		
World Heritage Studies (English)		M.A.		
HEALTH/ SOCIAL/ MUSIC PEDAGOGY				
Nursing Science			B.Sc.	
Physical Therapy (dual)			B.Sc.	
Therapy Science			B.Sc.	
Social Work			B.A.	M.A.
Social Work (German – Polish)			B.A.	
Instrumental and Vocal Pedagogic			B.A.	
ENGINEERING SCIENCES				
Electrical Engineering	B.Sc.	M.Sc.	B.Eng.	M.Eng.
Mechanical Engineering	B.Sc.	M.Sc.	B.Eng.	M.Eng.
Medical Engineering			B.Eng.	
Power Engineering (English)		M.Sc.		
Process Engineering	B.Sc.			
Process Engineering – Process and Plant Technology		M.Sc.		
Processing Technologies of Materials (German-Russian)		M.Sc.		
Technologies of Biogenic Raw Materials	B.Sc.			
Business Administration and Engineering	B.Sc.	M.Sc.	B.Eng.	M.Eng.

STUDY PROGRAMMES AT THE BTU COTTBUS - SENFTENBERG

	Research-oriented Programmes		Application-oriented Programmes	
CULTURAL SCIENCES				
Culture and Technology	B.A.	M.A.		
NATURAL SCIENCES AND COMPUTER SCIENCE				
Mathematics	B.Sc.			
Applied Mathematics		M.Sc.		
Econometrics	B.Sc.			
Physics (German - Polish)	B.Sc.	M.Sc.		
Applied Chemistry			B.Sc.	M.Sc.
Biotechnology			B.Sc.	M.Sc.
Computer Science	B.Sc.	M.Sc.	B.Sc.	M.Sc.
Information and Media Technology	B.Sc.	M.Sc.		
eBusiness (German)	B.Sc.	M.Sc.		
ENVIRONMENT				
Environmental Engineering	B.Sc.	M.Sc.		
Environmental and Resource Management (English)	B.Sc.	M.Sc.		
Land Use and Water Management	B.Sc.	M.Sc.		
Renewable Raw Materials and Regenerative Energy		M.Sc.		
Euro Hydro-Informatics and Water Management (English)		M.Sc.		
Forensic Sciences and Engineering (German – English)		M.Sc.		
BUSINESS SCIENCE				
Business Administration	B.Sc.	M.Sc.	B.Sc.	
Business Law for Technological Enterprises		M.B.L.		

PREMISES

INFORMATION COMMUNICATION AND MEDIA CENTRE

über 870,000 media units

600 library places,

thereof 170 with multimedia equipment



MULTIMEDIA EQUIPMENT IKMC· MODERN EQUIPMENT·
HIGH SERVICE LEVEL FOR STUDENTS



PANTA RHEI



INFORMATION, COMMUNICATION
AND MEDIA CENTRE

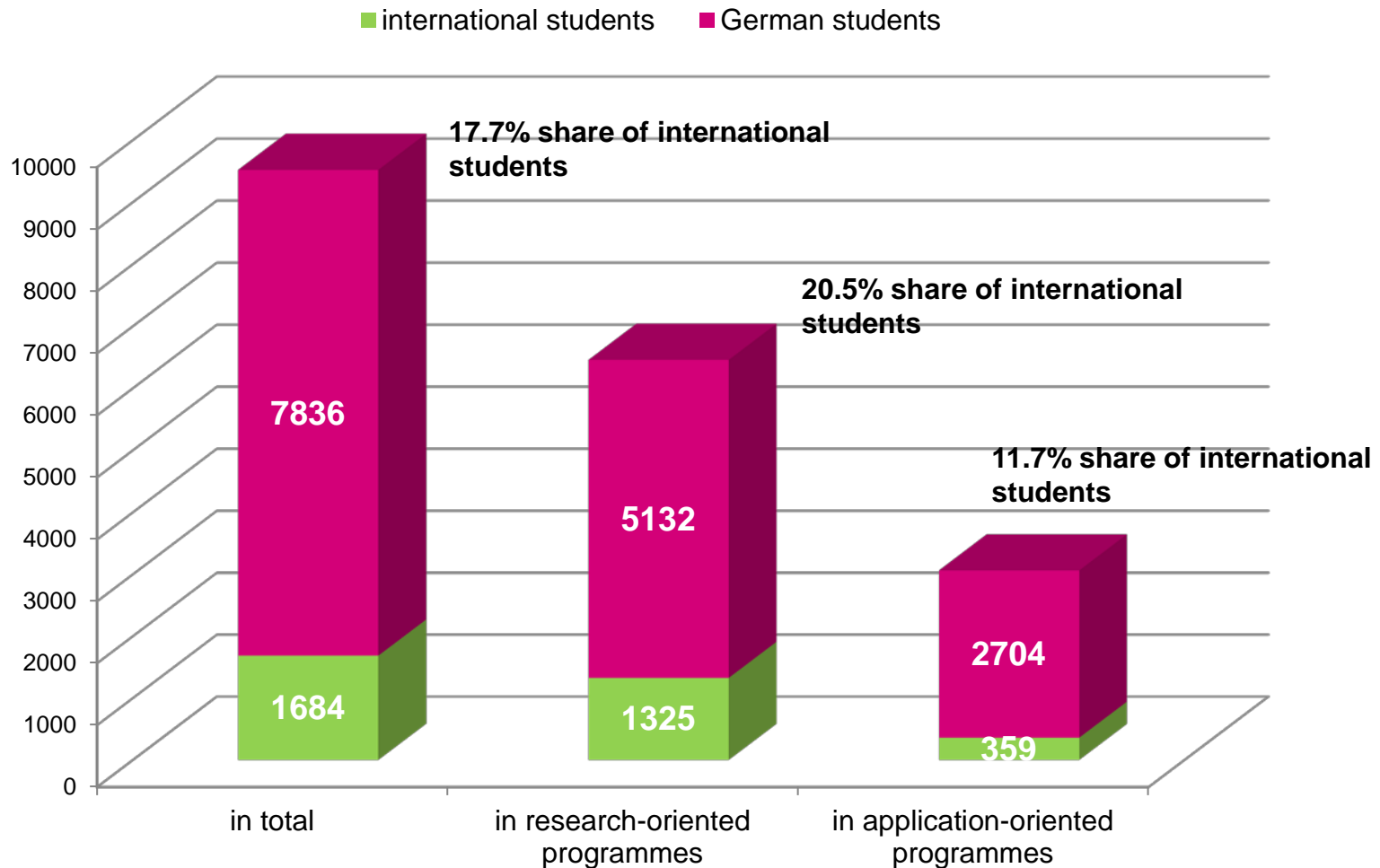


STUDENT HOUSING

04 INTERNATIONAL PROFILE

03. INTERNATIONAL PROFILE

Overview: German and international student enrolment (winter term 2013-14)



04. INTERNATIONAL PROFILE

Origin of International Students

- Main countries of origin: China, Poland, India, and Russian Federation
- 44.3% of all international students are enrolled in international study programmes (main campus)
- 46.4% Master, 27.8% Bachelor, 10.4% doctoral students
- Share of exchange students among international students: 9.4%

International Study Programmes

- First English-taught BSc in Environmental and Resource Management in 1998
- Innovative Programme: u.a. World Heritage Studies, Forensic Sciences and Engineering

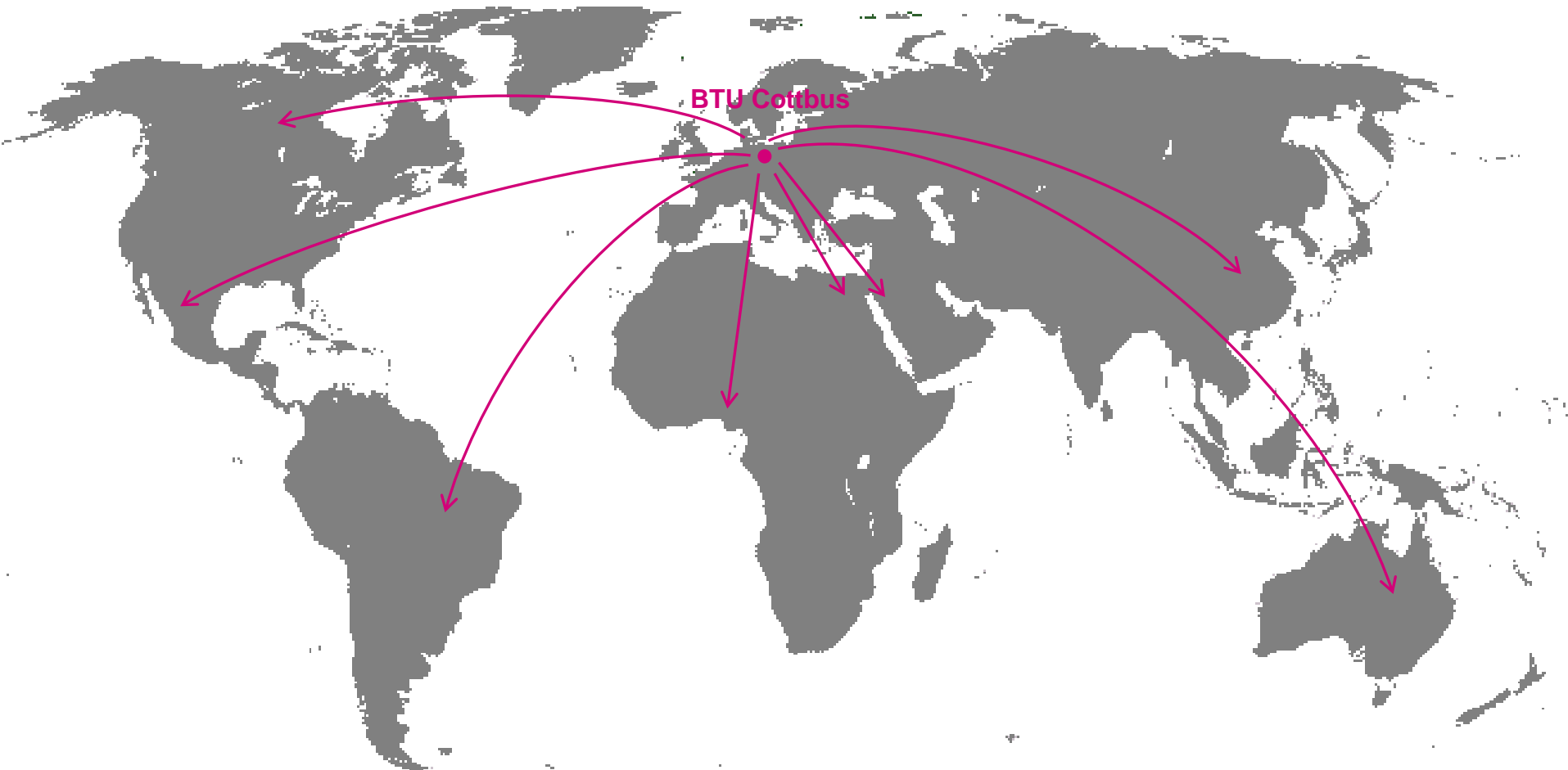
Diversity in Cottbus

- Foreign citizens in Cottbus: 3.4% (students and their families contribute 50%) → university as driver for internationalisation



04. INTERNATIONAL PROFILE

- Research Cooperation with more than 50 institutions worldwide
- Approximately 180 partner universities around the globe



04. INTERNATIONAL PROFILE

Highlights (selection)

- Award for university communication in 2011
„Die weltoffene Hochschule“
(2nd place, tied with TU9, no 1st place)
- 2011: BTU Cottbus is sharing the 2nd place with three other universities in the competition „Die internationale Dimension in der Lehre“ and is the best Technical University in Germany
- HRK Audit for Internationalisation/ Re-audit Internationalisation
- Selected university within the framework of the „Russia Weeks“ at German universities in 2012
- 2012: BTU Cottbus is sharing the 2nd place with another universities in the competition „Strategies to Support the Study Success of Foreign students “ and is the best technical university in Germany



05 INTERNATIONALISATION STRATEGY

05. INTERNATIONALISATION STRATEGY



- Six Objectives/ more than 30 measures
- passed University Senate in April 2013
- is now being adapted to the new situation

05. INTERNATIONALISATION STRATEGY

Core Cooperation Regions (Objective 2)

- Traditionally strong partnerships with universities in Central and Eastern Europe (e.g. Poland, Russia)
- Proximity to Poland + Slavonic Minority (Sorbs) in Cottbus → BTU as a „Gate to Eastern Europe“
- MENA Region (e.g. Egypt, joint study programmes, capacity building)

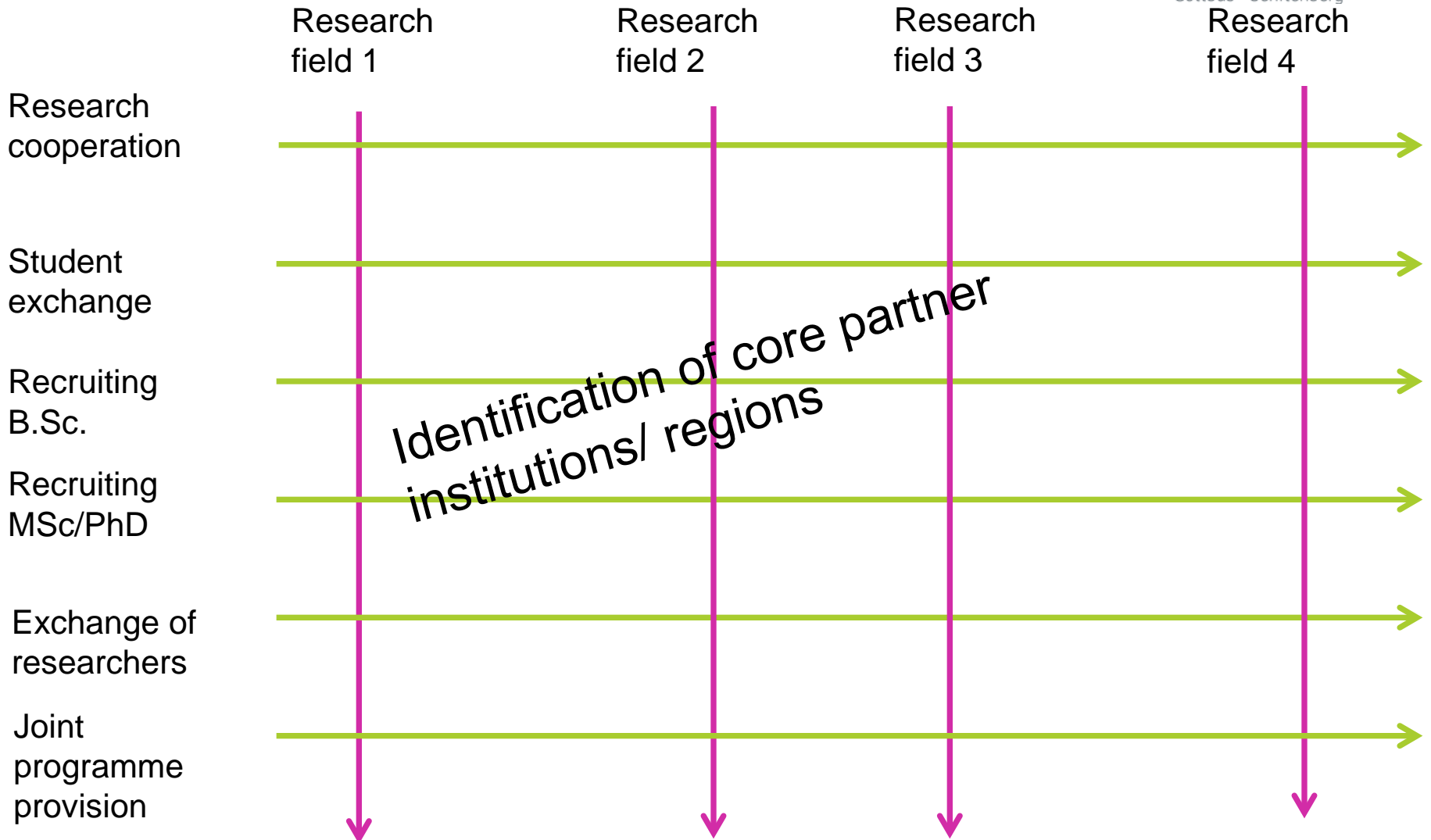
Internationalisation of Teaching (Objective 4)

- Mandatory semesters abroad/ windows of mobility
- Guest lecturers/ internationalisation of staff

Mobility (Objective 6)

- E.g. increasing the mobility of administrative staff

05. INTERNATIONALISATION STRATEGY



Thank you very much for your attention!

