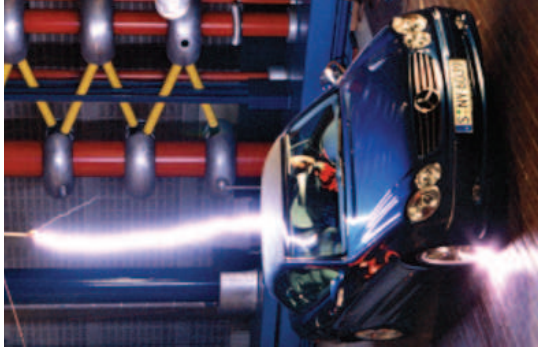


# Technische Universität



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**Technische Universität Berlin**

Straße des 17. Juni 135

10623 Berlin

Tel.: +49-30-314-0

[www.tu-berlin.de](http://www.tu-berlin.de)



## History and Basics

# Geographical Position of Berlin



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# History



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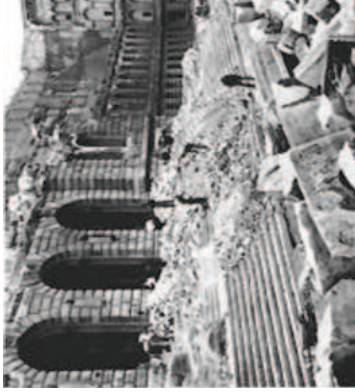


**1770 - 1821**

Founding of the antecedent academies: Mining Academy, Building Academy, Vocational Academy

**1879**

Unification into Royal Technical College of Berlin



**1945 - 1946**

Closure of the Technische Hochschule Charlottenburg and re-establishment under the new name: Technische Universität Berlin

**1950**

Establishment of the Faculty for Humanities

**2005**

Formation of teaching and research into 7 faculties

**2006/2007**

Excellence Initiative:

Approval of the Graduate School Berlin Mathematical School and the Excellence-Cluster Unifying Concepts in Catalysis





# Research History



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<b>Franz Reuleaux</b>	1829 - 1905	<b>Machine kinematics</b>
<b>Adolf Slaby</b>	1849 - 1913	<b>Radiotelegraphy</b>
<b>Alois Riedler</b>	1850 - 1936	<b>Motor vehicle constructon</b>
<b>Adolf Miethe</b>	1862 - 1927	<b>Three-color photography, the flashlight</b>
<b>Georg Schlesinger</b>	1874 - 1949	<b>Machine tool design and factory management</b>
<b>Hermann Föttinger</b>	1877 - 1945	<b>The fully automatic gear box</b>
<b>Gustav Hertz*</b>	1887 - 1975	<b>Laws governing the impact of an electron upon an atom</b>
<b>Hans Geiger</b>	1882 - 1925	<b>The „Geiger Counter“</b>
<b>Eugene Wigner*</b>	1902 - 1995	<b>Quantum mechanics</b>
<b>Ernst Ruska*</b>	1902 - 1988	<b>The electron microscope</b>
<b>Konrad Zuse</b>	1910 - 1996	<b>The first freely programmable computing machine</b>

\*Nobel prize laureate



Gustav Hertz



Franz Reuleaux



Ernst Ruska



Konrad Zuse



Georg Schlesinger



Hans Geiger

# Main Campus



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# Campus Map



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**Schools and Selected Areas of Expertise**



# Schools



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	<b>Name</b>	<b>departments</b>
I	Humanities	7
II	Mathematics and Natural Sciences	6
III	Process Sciences	6
IV	Electrical Engineering and Computer Science	6
V	Mechanical Engineering and Transport Systems	7
VI	Planning - Building - Environment	8
VII	Economics and Management	3



# General Statistics (Winter 2009/2010)

<b>Students</b>	<b>29.234</b>
• female	9.967 (~34%)
• foreign	5.623 (~19%)

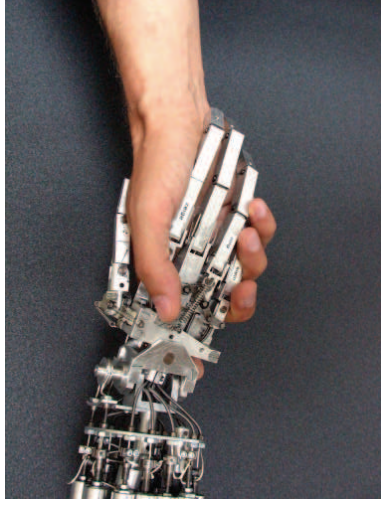
<b>Doctorates (2009)</b>	<b>376</b>
<b>Post doctoral lecture qualification (2009)</b>	<b>24</b>

<b>Study Courses</b>	<b>100</b>
<b>Double Degrees</b>	<b>25</b>

(with universities in Chile, China, France, Korea, Poland, Russia, UK)

## English speaking courses:

- Global Production Engineering
- Polymer Science (MSc)
- Urban Management
- Geodesy and Geoinformation Science
- Computational Neuroscience
- Industrial and Network Economics
- Innovation Management and Entrepreneurship



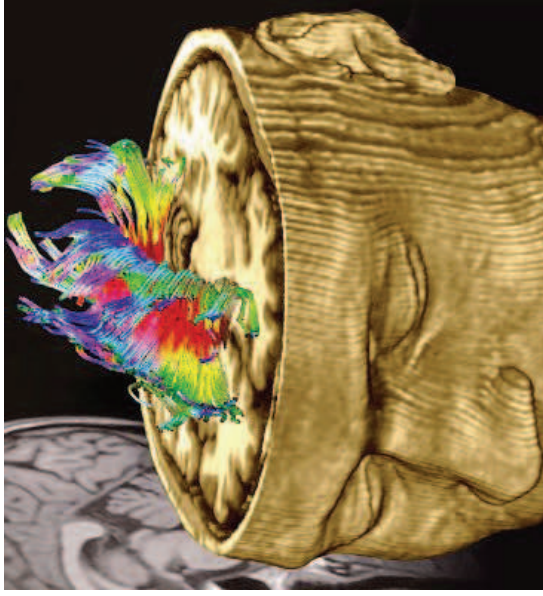
# International Students by Country of Origin (as of WS 2009/10)



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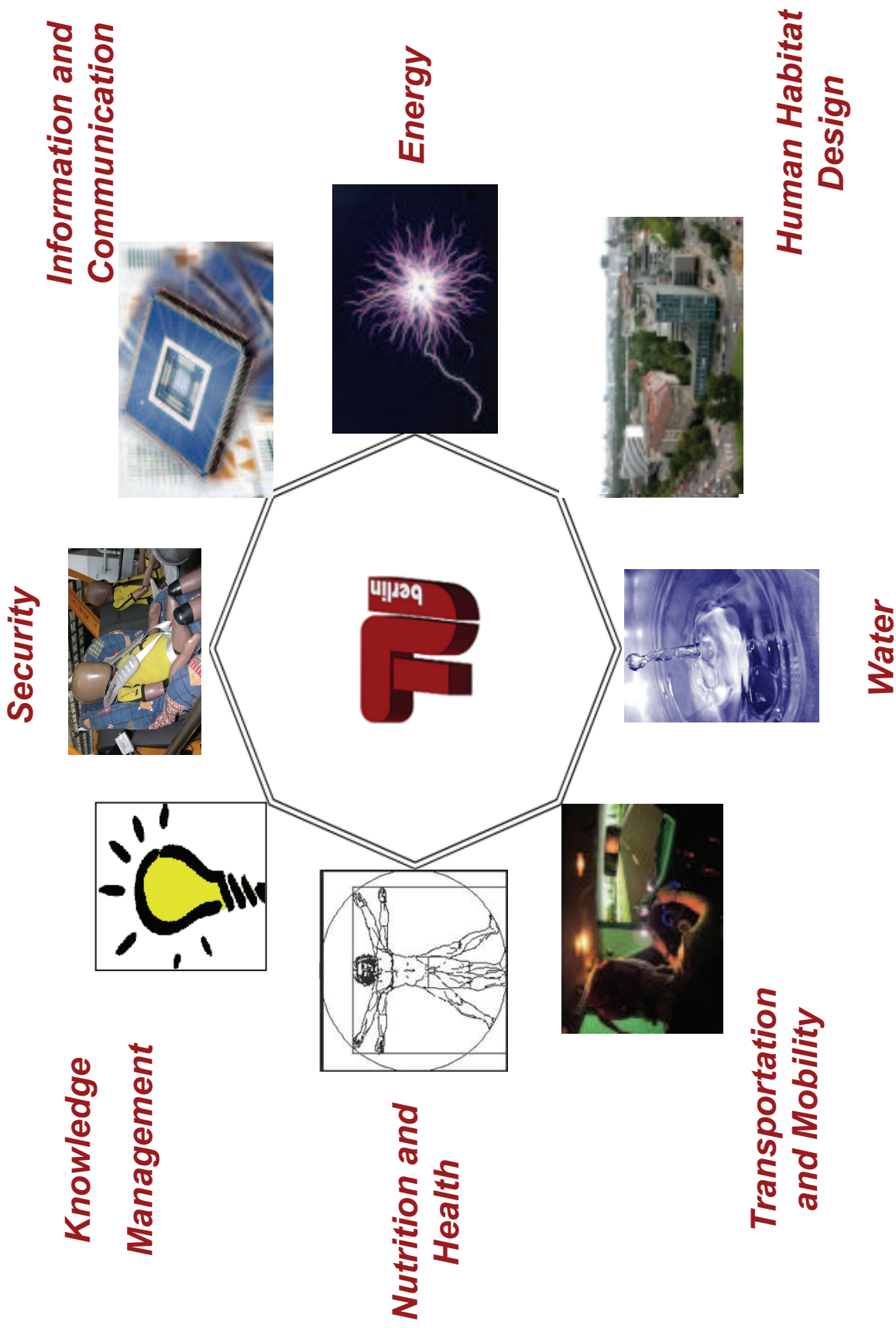




# Fields of Focus



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# Research Staff and Budget (2009)



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<b>Professors</b>	<b>323</b>
<b>Visiting Professors and Associated Lecturers</b>	<b>396</b>
<b>Scientific Staff</b>	<b>2246</b>
• financed by acquired external funds	1345 (~60%)
<b>Other Employees</b>	<b>4379</b>
• financed by acquired external funds	1059 (~24%)
<b>Trainees</b>	<b>142</b>



<b>Budget:</b>	<b>251,1 mill. €</b>
<b>Government Grant (2009)</b>	
<b>Acquired External Funds (2008)</b>	<b>98,8 mill. €</b>



## Excellence Initiative



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<b>Projects of the TU Berlin</b>	<b>Status</b>
<b>Berlin Mathematical School</b> (Graduate School)	<b>approved</b>
<b>Unifying Concepts in Catalysis</b> (Excellence-Cluster)	<b>approved</b>
<b>Projects with the participation of the TU Berlin</b>	<b>since</b>
<b>Topoi – The Formation and Transformation of Space and Knowledge in Ancient Civilizations</b> (Excellence-Cluster)	<b>2007</b>
<b>Berlin School of Mind &amp; Brain</b> (Graduate School)	<b>2006</b>
<b>Berlin-Brandenburg School for Regenerative Therapies</b> (Graduate School)	<b>2007</b>



# Facts and Figures on Internationalization (2009)



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**Cooperation programs with foreign universities**

**>130**



**Student exchange programs with foreign universities**

**>330**

**International students**

**5923**

**Alexander-von-Humboldt-Scholarship holders p.a.**

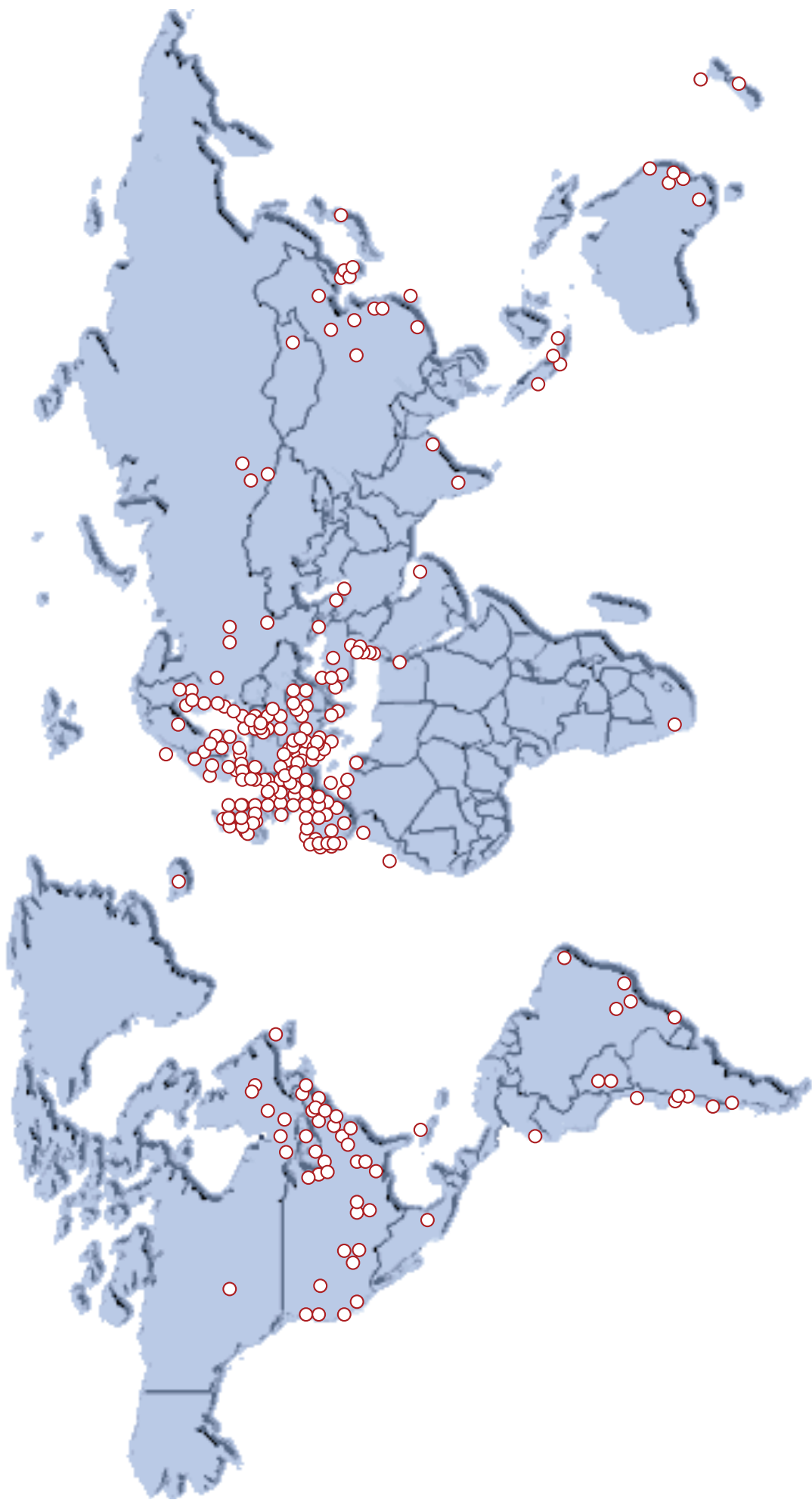
**37**





# International Cooperation and Exchange Programs

Cities with partner universities

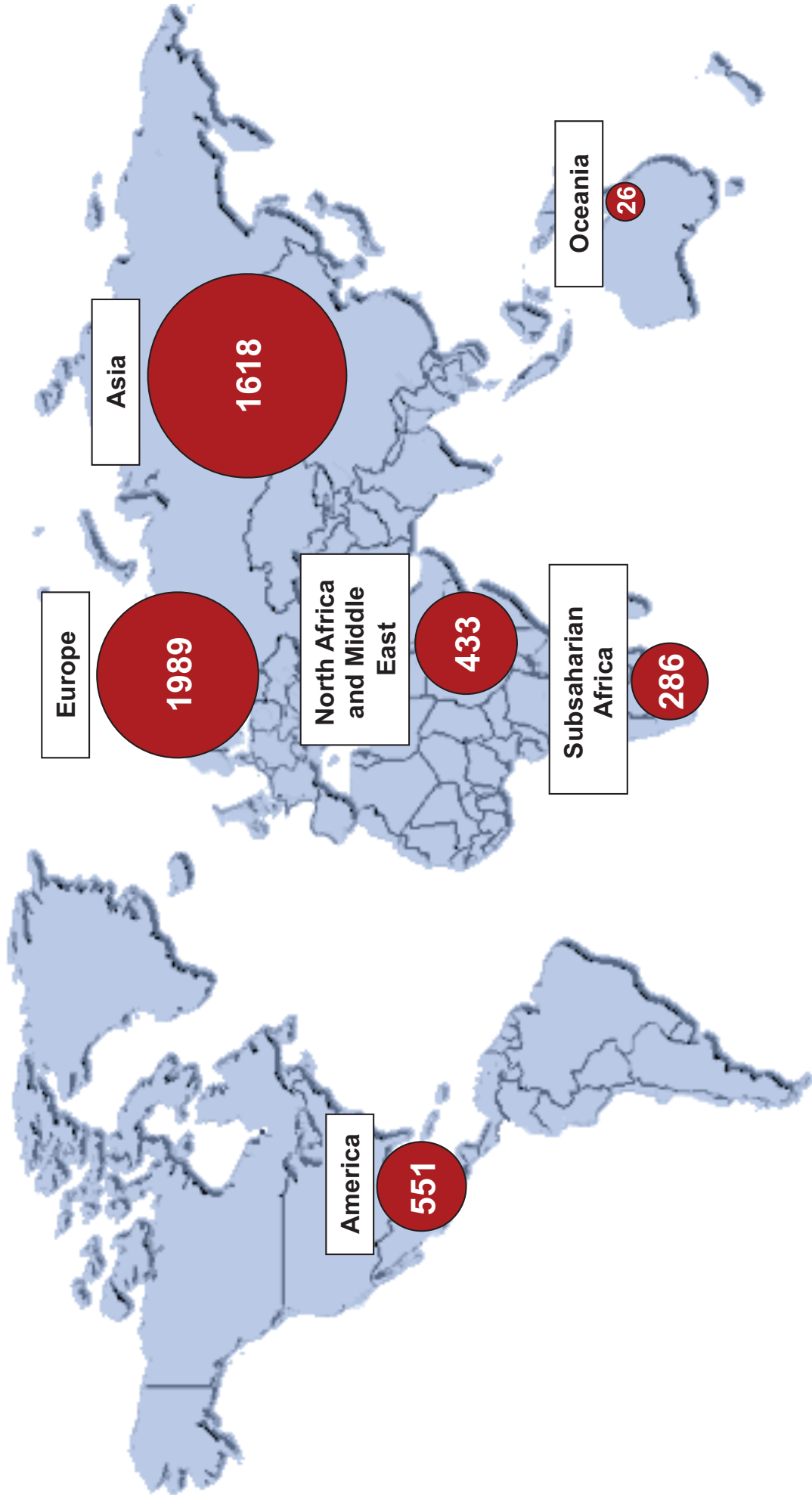


# International Alumni Network



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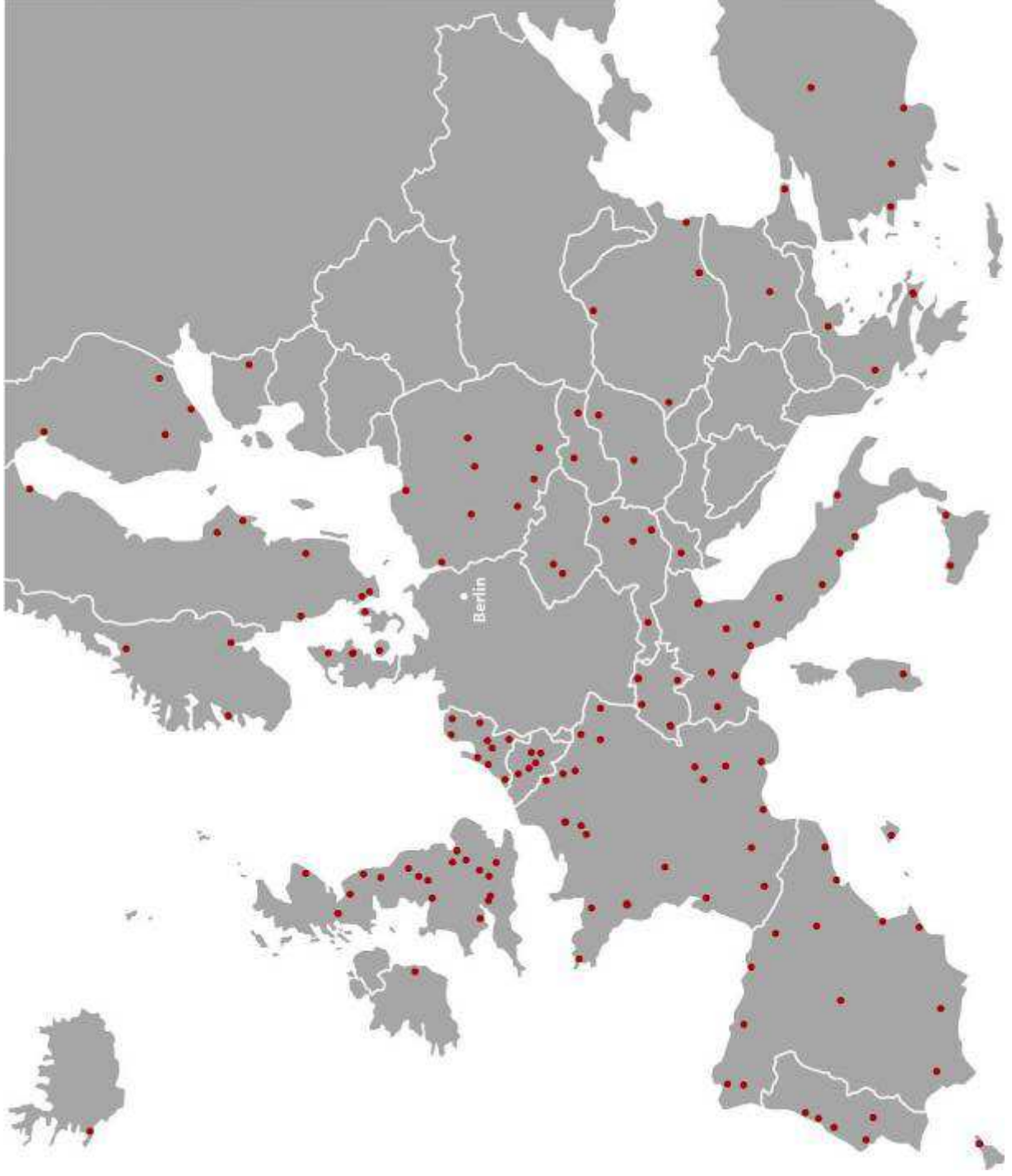
Worldwide 4.903 contacts in 133 countries





# ERASMUS-PARTNERS

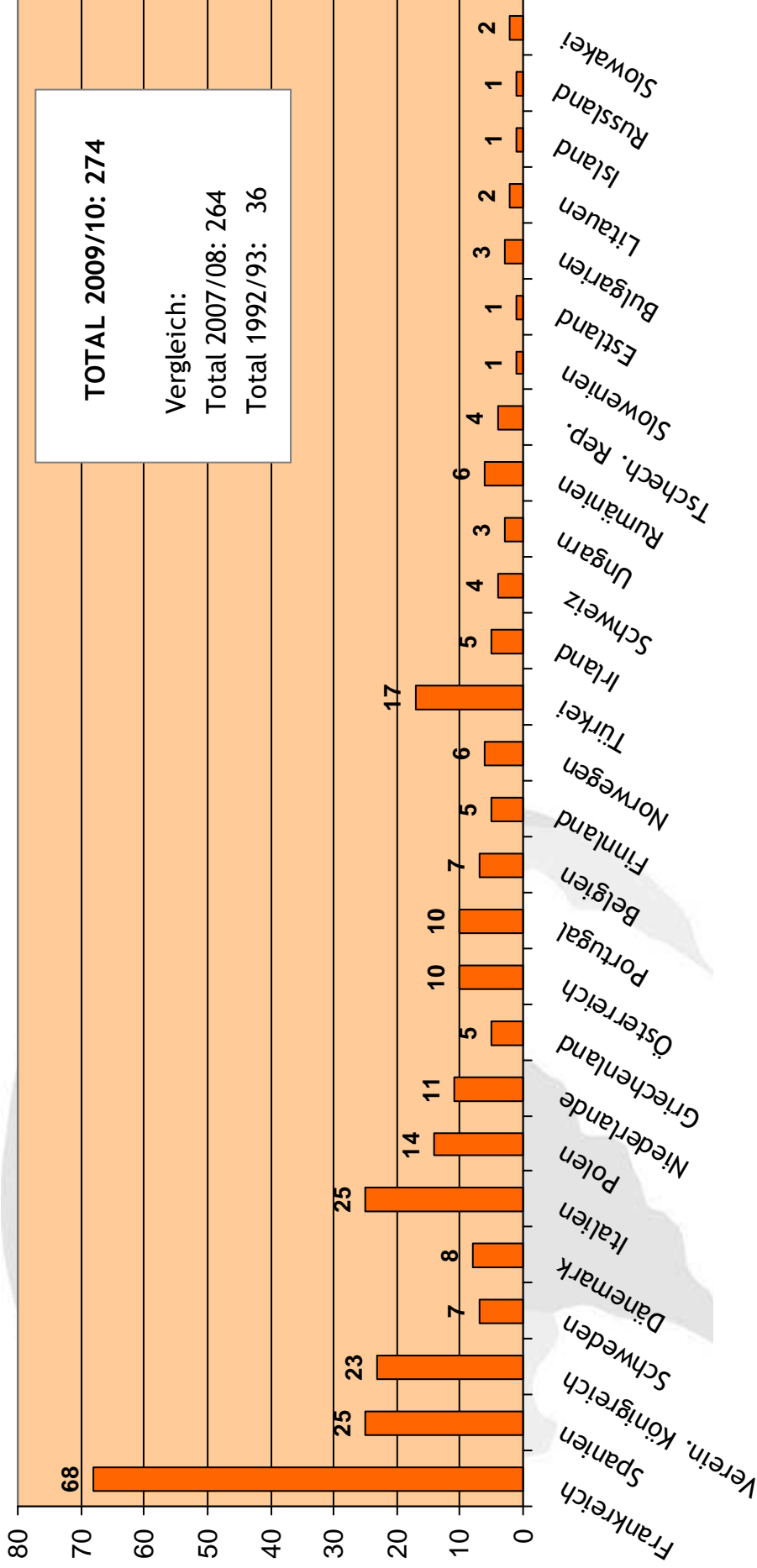
- Spain
- France
- UK
- Sweden
- Poland
- Turkey
- ...







# ERASMUS-PARTNERS





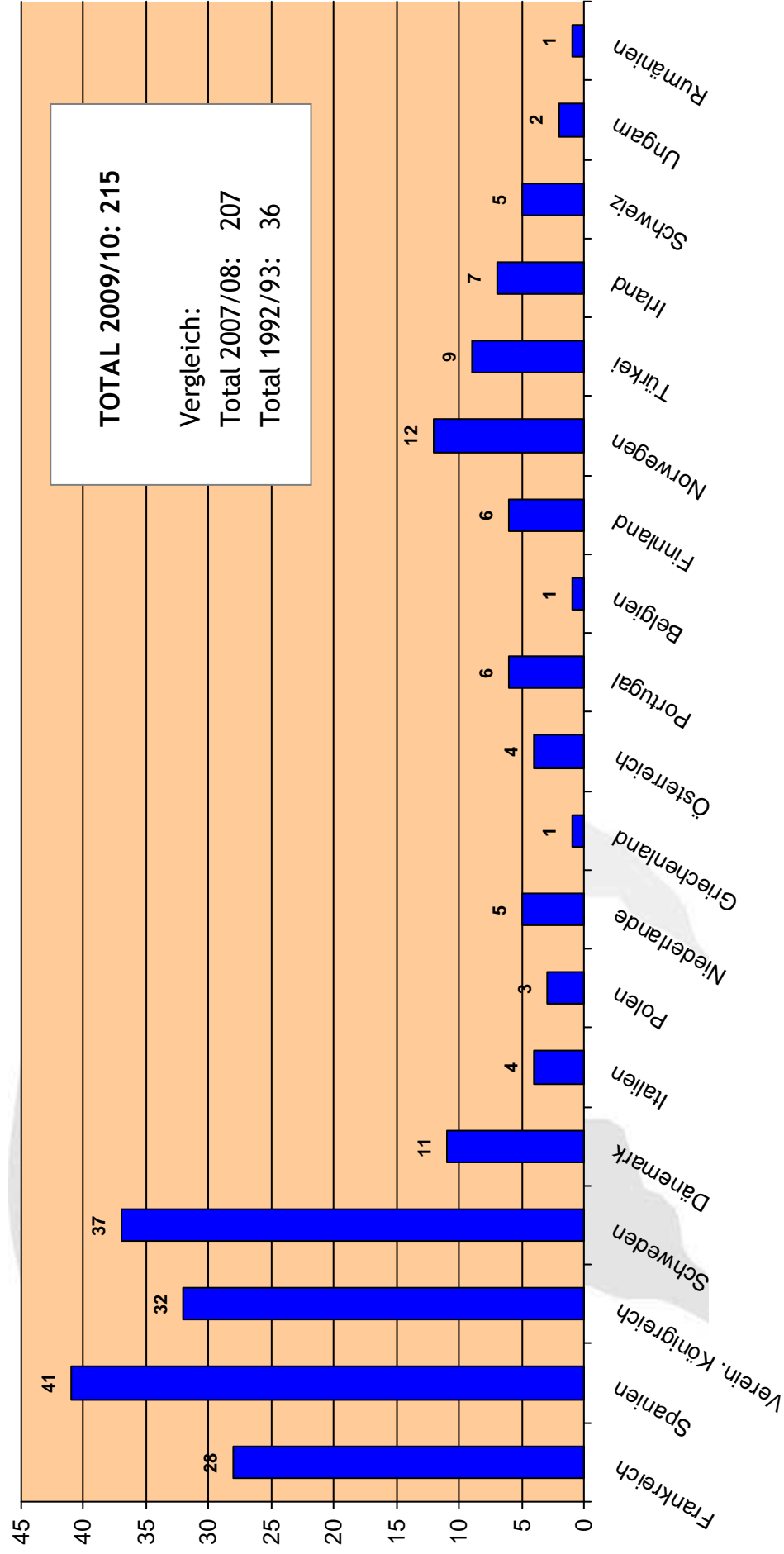
## **PARTNERUNIVERSITIES EUROPE**

- » **Sweden**      Royal Institute of Technology, Stockholm
- » **Netherlands**      Technische Universiteit Delft
- » **UK**      University of Manchester, Institute of Science and Technology (UMIST)
- » **France**      Ecole Nationale des Ponts et Chaussées (ENPC), Paris
- » **Italy**      Università degli studi di Bologna
- » **Spain**      Universidad Politécnica de Madrid

# OUTGOINGS ERASMUS 2009/10



Akademisches Auslandsamt  
International Office

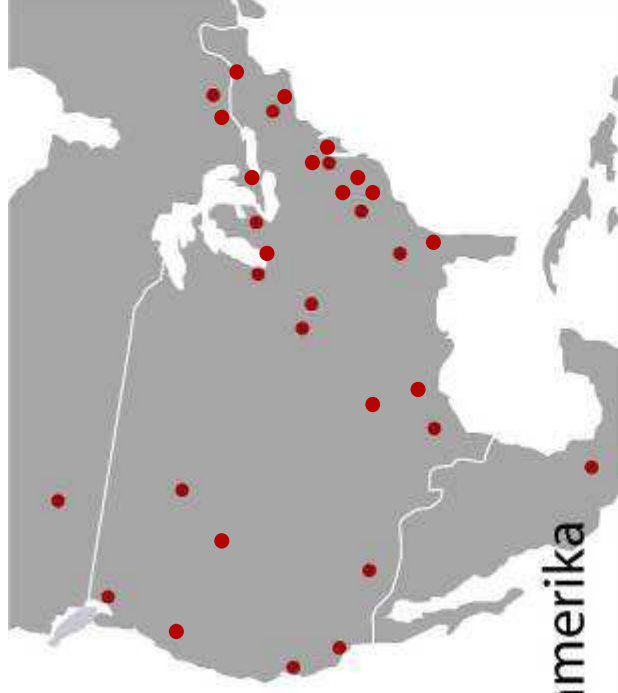




# OVERSEAS-PARTNERS



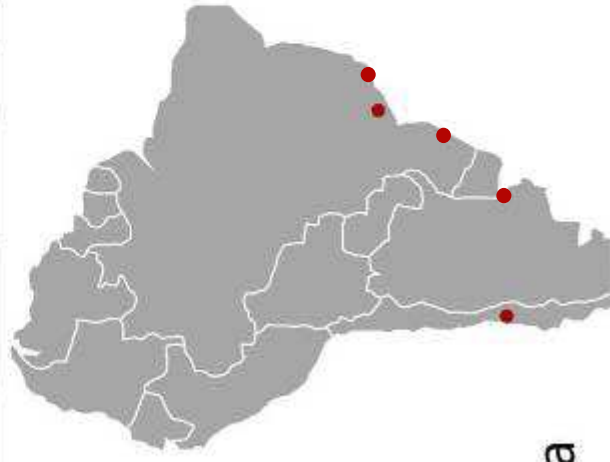
Akademisches Auslandsamt  
International Office



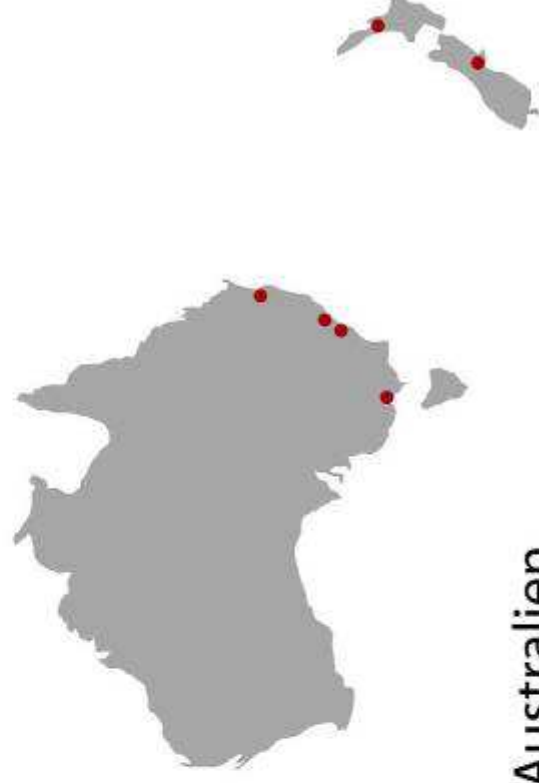
Nordamerika



Asien



Südamerika



Australien



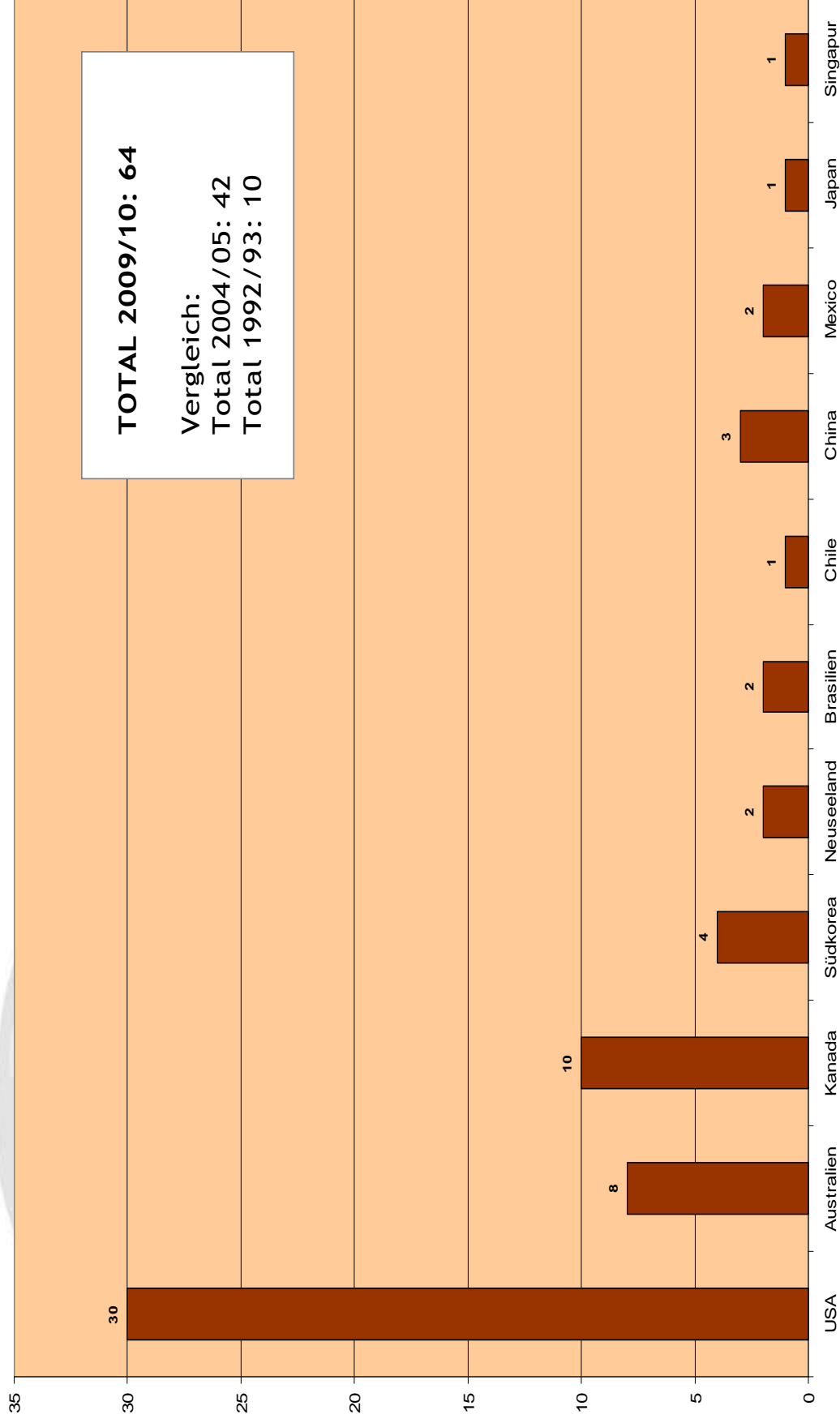
## **PARTNER UNIVERSITIES OVERSEAS**

- » **Canada**    McGill University, Montreal
- » **USA**        University of California (alle Campusse)
- » **USA**        University of Michigan at Ann Arbor
- » **China**      Tongji University, Shanghai
- » **Australia**    University of Melbourne, Parkville
- » **Japan**        Sophia University, Tokio
- » **Chile**        Pontificia Universidad Católica de Chile,  
                  **Santiago de Chile**

# OVERSEAS-PARTNERS



Akademisches Auslandsamt  
International Office







Akademisches Auslandsamt  
International Office

# OUTGOINGS - OVERSEAS 2009/10

