

International Cooperation

at

TU WIEN



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## History of International Cooperation (IC) at TU Wien

- **TUW founded in 1815 (model for university foundations in Central/Eastern Europe; still existing links to neighbouring countries)**
- **1992: Participation in EU-programmes**
- **1995: Membership in the EU**
- **2002: University Act**

## 2. Dimensions of IC - Education

### 2.1. Education

#### – Figures:

- 23,3% students from abroad (av. Austria 12%)
- 2007/8: 20% TUW graduates with study abroad experience
- Mobility programmes 2007/8: 478 „outgoings“, 812 „incomings“
- 245 bilateral agreements within ERASMUS

#### – Supporting scholarship programmes:

- TUW: „Joint Study Programmes“ (e.g.: GE4, USA, TIME-DD-  
Prog., ATHENS)
- National: individual programmes and university networks  
(e.g. Eurasia-Pacific, Asea-Uninet)
- International: ERASMUS, ERASMUS Mundus (e.g. Master  
Prog. „Computational Logic“), ERASMUS Mundus ECW  
(Russia)

## 2. Dimensions of IC – Continuing Education

### 2.2. Continuing Education

- TUW:
  - E.g. „Environmental Technology and International Affairs“ (5 Locals, 20 International)
- National:
  - Individual scholarships for Postgraduate Education
- International:
  - LEONARDO da Vinci, LLP-Grundtvig

## 2. Dimensions of IC – The Bologna Process I

### European Higher Education and the Bologna Process

General Aims and Visions for Higher Education in Europe

To enhance

- Mobility of students, graduates and lecturers
- International competitiveness &
- Employability of graduates

Need for a coherent higher education framework across Europe leading to an

„European Higher Education Area (EHEA)“  
(1999 - 2010 – and beyond)

## 2. Dimensions of IC – The Bologna Process II

- **Steps towards EHEA**

- 3-cycled study structure (Bachelor/Master/PhD; 3+2+3)
- Transparent higher education diplomas („Diploma Supplement“)
- Define compatible workloads („ECTS“)
- Overcome obstacles for mobility (improve recognition, languages, admission, offer scholarships, special services etc.)
- Establish procedures for quality management

Influence on national legislation (University Act 2002)

## 2. Dimensions of IC - Research

### 2.3. Research

#### – Figures:

- **Austria 2008: 2,63% (EU: 1,9%) of GNP investment in research (33% public, 48,4% private, 18,4% from abroad) (1981:1,13%)**
- **FP7: TUW participates in 70 projects (EU funding: €15,5 Mio) FP6: 113 projects (EU funding: €20,97 Mio)**
- **Sources 2008: €17 Mio companies, €14 Mio FWF, €12 Mio foreign sources**

#### – Supporting programmes:

- **TUW: Scholarships for PhD-students; Mobility from/to partner-universities; Support for project initiation**
- **National: research funds (e.g.:FWF, OEAW, FFG, WWTF)**
- **International: EU: FP7, COST, INTAS; CERN, Max Planck**

## 2. Dimensions of IC – Lisbon Declaration, Berlin

### European Research and the Lisbon Declaration (2000 - )

„ The aim is to make the EU the most dynamic and competitive knowledge-based economy in the world capable of sustainable economic growth with more and better jobs and greater social cohesion, and respect for the environment by 2010.“

Overall investments in European research: 3% (planned)

### Berlin Conference 2003

Link the EHEA to ERA: structured PhD-programmes with transparent supervision and assessment, leading to transferable skills (but: avoiding overregulation!)

## 2. Dimensions of IC – University Management & Associations

### 2.4. University Management

#### – Programmes:

- International: TEMPUS (Cards, Tacis); ASIA Link

### 2.5. International Engineering Associations and University Networks

#### – University Level:

- **SEFI** (European Society for Engineering Education)
- **CESAER** (Conference of European Schools for Advanced Eng.)
- **EUA** (European University Association)

#### – Faculty Level:

- **EUPEN** (European Physical Society)
- **ECTN** (European Chemistry Thematic Network)
- **LE:Notre** (Landscape Architecture)

## 3. Organisation of IC at TUW I

### 3.1. Rectorate

- **Rector** - tasks:
  - university „diplomacy“, strategic decisions (together with vice-rectors), signs agreements
- **Vice-Rector for International Affairs** - tasks:
  - TUW-delegate in international associations (e.g. SEFI, CESAER,...)
  - monitoring of „Bologna-process“ (together with „**Bologna-Delegate**“)
  - Signs agreements
  - Int. strategy building with (study) deans, international delegates at faculties, head of International Office
- **Vice-rector for Research** - tasks:
  - monitoring of international research activities and strategies

## 3. Organisation of IC at TUW II

### 3.2. Faculties

- **Study Deans** - tasks:
  - recognition of studies completed abroad
- **Study Commission** – tasks:
  - development of (int.) study programmes (e.g. Joint-Master-Programmes)
- **International Delegate** – tasks:
  - stimulates communication flow (top down, bottom up, horizontal)

### 3.3. Departments (Institutes)

- **Head of Institutes** - tasks:
  - management of EU-research programmes
- **ERASMUS-Coordiators** - tasks:
  - signing bilateral contracts, selecting outgoings, academic advisors for incomings

## 3. Organisation of IC at TUW III

### 3.4. Central Administration, Service Units:

- **Int. Relations Office** - tasks:
  - central project management (ERASMUS, ERASMUS Mundus ECW, Joint Study; TEMPUS), advise on int. Programmes for Higher Education and Univ. Management
  - student counselling In/Out (scholarships, study abroad/at TUW,..)
  - financial management of TUW-budget for int. relations
- **EU-Researchmanagement Unit** - tasks:
  - advise on management of research programmes (applications, contracting, IPR, Auditing,..)
- **Admissions Office** - tasks:
  - admission of foreign students

## 3. Organisation of IC at TUW IV

### 3.5. Student Organisations:

- **ERASMUS-Buddynetwork** - tasks:
  - social integration for incoming „programme students“
- **Int. Student Organisations (IAESTE, BEST)** - tasks:
  - offer programmes for int. internships and summerschools

## 4. Aims for IC - Development Plan „2010+“

### 4.1. General Aims:

- IC shall play a major role in research and education
- Cooperation and competition with leading technical universities in Europe

### 4.2. Aims - Research:

- Recruiting/attracting „high potentials“ (int. calls for PhDs)
- Increase mobility of researchers
- Knowledge transfer and use of synergies through IC and networking (especially with neighbouring countries)
- Active participation in EU-research centres (e.g. CERN)
- Rise the high level of int. programme participation (FP5-7)

## 4. Aims for IC - Development Plan „2010+“

### 4.3. Aims - Education:

- Increase of student mobility (Master level and beyond) from and to research partners (quality!)
- Development of Joint Degrees
- Increase of teaching staff exchange