ASEM Universities and Business/Industry Forum
Bangkok

University – Industry Cooperation:
Research and Development Enhancement

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Overview:

1. Presentation of University of Applied Sciences Osnabrück and Wissenschaftstransfer Osnabrück

2. Models of Cooperation between Industry – University in Research

3. Cooperation between Asia and Europe

4. Recommendations to increase Cooperation between Industry - University
University of Applied Sciences Osnabück
University of Applied Sciences Osnabrück:

- Founded in 1971
- 9,000 Students
- 900 international Students from over 85 Countries (80 Asian Students)
- 300 Scientists and 700 Members of Staff

- Faculty of Agriculture and Landscape
- Faculty of Business Management and Social Science
- Faculty of Engineering and Computer Science
- Department of Communication
- Department of Management and Technology
- Institute of Music

- Relation with more than 100 Partner Universities
- Member in UAS7 and EUA
Wissenschaftstransfer Osnabrück:

- Founded in 2009
- Conclusion of 10 Units
- 21 Members of Staff

- Technology Transfer
- Further Education
- Staff Mobility
- Entrepreneurship
- Research Funding

- E-commerce
- Solartechnology
- Logistic
EU-Hochschulbüro

Target Group: Scientists and Students

• Consultancy in FP 7
• Promotion of EFRE Projects
• Project Management in LLP/Erasmus

Enterprise Europe Network

Target Group: Enterprises

• Consultancy in FP 7
• Cooperation between Enterprise and Universities
• Technology Transfer between Enterprise and Universities
Recommendation and Experience

1. Infrastructure of Transfer.
   - Cooperation / Teamworking
   - One-Stop-Shop
Models of Cooperation between Industry–University - Research

1. Contract research:

   • Regional Partnership
   • max. 2 Years
   • Definition of Results
   • Intellectual Property Rights by the Sponsor
   • Costs are usual in the Market
   • Master or Bachelor Thesis
   • Fee for the Scientists

Benefit:

   • Practical-Oriented
   • Contact between Scientists, Student and Enterprises
   • Third-party Funds (Science to Business GmbH = Ltd)
   • Positive Value in regional Enterprises
Models of Cooperation between Industry–University - Research

2. European Research (FP 7):

- Transnational Consortia between Industry and University
- 2-3 Years
- High Quality in Research
- Individual Tasks
- Adequate Financed

Benefit:

- PHD or Master Students
- Transnational Teams - Cross Cultural Competence
- Impact between Industry and University
- High Value
- Allow for Teaching Load
Recommendation and Experience

1. Infrastructure of Transfer:
   - Cooperation/ Teamworking
   - One-Stop-Shop

2. Research between Industry and University:
   - No fees - No Research Projects
   - Transnational Research is complex but „First Class!“
   - Cross Cultural Competence is the Key for Innovation
Models of Cooperation between Industry–University - Mobility

Erasmus - Placement for Students:

• 3-12 Months
• In Enterprises and Universities (research projects)
• Preparation of Thesis

Benefit:

Impact to Research
Cross-Cultural-Competence
New Staff Member
Cooperation in Research
Recommendation and Experience

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3. Mobility and Research:

   First students – Second Teaching Staff – Third Research Project
Cooperation in Research between Asia and Europe - Options

1. Seventh Framework Programme (FP 7):

- Partnership between Enterprises and Universities
- Cooperation, Ideas, People, Capacities
- Cooperation: Health
  - Food, Agriculture, Biotechnology
  - ICT
  - Nanosciences, Production, Materials
  - Energy
  - Environment
  - Transport
  - Socio-economic Sciences
  - Space
  - Security

Cooperation with Asian Countries possible!
Cooperation in Research between Asia and Europe - Options

2. Postgraduate Projects:

- Creating a Common Graduate School or Bilateral Arrangement
- Using FP 7 (People: Marie Curie Grants) or Lifelong Learning Programme or Asian Programmes

Universities of Applied Sciences have no Right to award PH.D
Recommendation and Experience

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3. Mobility and Research
   - First students – Second Teaching Staff – Third Research Project

4. Cooperation in Research between Asia and Europe:
   - Stimulation of FP 7 Projects and Common PH.D Projects
Recommendation and Experience

1. Infrastructure of Transfer:
   • Cooperation/ Teamworking
   • One-Stop-Shop

2. Research between Industry and University:
   • No fees - No Research Projects
   • Transnational Research is complex but „First Class!“
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3. Mobility and Research:
   • First students – Second Teaching Staff – Third Research Project

4. Cooperation in Research between Asia and Europe:
   • Stimulation of FP 7 Projects and Common PH.D Projects
Thank you for your attention!