University – industry collaboration
Experiences from Finland and Malaysia

ASEM UBF seminar, Brussels
4.3.2015

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Science and Engineering viewpoint
UB Cooperation - Universities

- are interested in
  - support in education: visitors, visits to company
  - MSc and PhD thesis topics
  - research collaboration

- will seek cooperation
  - locally for internships, visits, research collaboration
  - globally for research collaboration (+ internships)

- **Benefit:** keeps education and research industrially relevant
Students learn in company

• Work with deadlines
• Project thinking
• Work in a team
• Goal oriented work
• Reporting
Visiting a company gives motivation for studies especially in a foreign country
UB Cooperation - Companies

- are interested in
  - offering internships (when long enough)
  - accepting student groups to visit the company
  - giving presentation or lecture(s) in a specific topic

- will seek cooperation
  - locally to get employees
  - globally to find best talents and knowledge for their needs

- **Benefit:** gives access to good graduates and state-of-art knowledge
Finland

• University – industry cooperation is actively supported: mostly parties understand their role
  ➢ governmental funding organizations: national and regional
  ➢ strong element in the university funding

• Different events for people to meet
  ➢ learn to know each other

• General atmosphere is relaxed
  ➢ easy to contact a counterpart and make proposals

• Possibilities to create mutual trust
Malaysia

• Companies and universities have not much experience
  ➢ multinational companies partly exception
• Industry structure more production than knowledge based
• Rising activities through governmental funding
• Somewhat nationally protective environment - foreign talents not fully utilized
  ➢ restrictions to give internships to foreign students
  ➢ restrictions in funding
• Not much experience on mutual trust
Building trust between university and company can be initiated by a collaborative university abroad.
COSI – Erasmus+ MSc program
Industrial associate partners
Also public organizations can be utilized for reaching the goal

“graduates can successfully operate in international/global environments”.

Means of collaboration

• Internships in companies
• Company people give lecture
• Topics for projects/group competitions from companies

• MSc-thesis:
  • topic from a company
  • done in a company

• PhD thesis: collaborative research project with a company

• Company people work at university lab
Key elements for well organized global collaboration

Trust

High quality of actions

Mutual genuine interest
Thank you!

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