



Education and Culture DG

TEMPUS



TECHNISCHE
UNIVERSITÄT
DRESDEN



Outlook

IREITEU - Final Conference, Ain Shams University Cairo 2009

Prof. Dr.-techn. Hussein Abd-Elmotaal
Local Project Coordinator
Minia University

IREITEU Project Overview

- A powerful road infrastructure is an important pre-condition for the further development and economic adaptation of Egypt to international standards (**key point**).
- To meet the requirements of a modern road infrastructure, engineers should become familiar not only with the technical background of road engineering but also they must be able to apply their knowledge in the most efficient way and with the highest possible quality.
- To reach this goal, the road engineering branch has to work with modern IT-equipment and IT-solutions.

IREITEU Project Objectives

- The goal of this project is the integration of modern IT-technologies into the existing curricula at Egyptian universities in the field of surveying and road engineering.
- Students that have been taught based on the updated curriculum have attended their studies with new knowledge in using modern IT-solutions.
- These alumni is going to join the job market and change the way of designing, planning and building because they will use modern IT-technologies to save time and money and increase the quality of work.

Project Consortium

- Minia University (MU), Faculty of Engineering, Minia - Egypt
- Ain Shams University (ASU), Faculty of Engineering, Cairo - Egypt
- Technische Universität Dresden (TUD), Faculty of Transportation and Traffic Sciences, Dresden - Germany
- University of Natural Resources and Applied Life Sciences (BOKU), Institute of Transport Studies, Vienna – Austria

Individual experts

- Dipl. Ing. Maria-Ilona Kiefel, Kiefel und Partner GmbH Berlin, Germany
- Prof. Dr. Csaba Koren, University Győr, Hungary
- Eng. Wagdy Hamada, The Arab Contractors Osman Ahmed Osman & Co., Cairo, Egypt
- Eng. Abdalla El-Hennawi, General Authority for Roads, Bridges & Land Transport, GARBLT, Cairo, Egypt

IREITEU Project Achievements

- New IT-lab at both Egyptian Universities



IREITEU Project Achievements

- Training of project teams at both Egyptian Universities



IREITEU Project Achievements

- Teaching new educational materials



IREITEU Project Achievements

- A good network has been established



New Possibilities

- Training
 - Trainers
 - Students
 - Non-university staff
 - public
- Center of Excellency!
 - Modern technology
 - International standards

What is Next?

- Deepen the cooperation between Minia and Ain Shams Universities (establishment of a network of intelligence)
- Strengthening Egypt's infrastructure and traffic research potential - **FP7?**
- Enhancing the engineering higher education by a prototype project implementing Bologna process (**vertical education**) instead of the current system (**horizontal education**) - **Tempus IV?**



Thank you