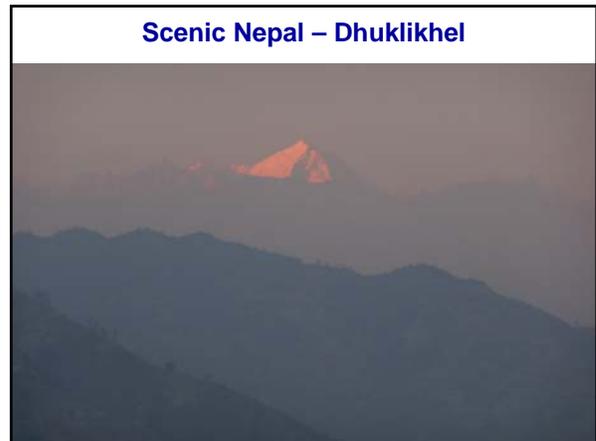


**Promoting the Interaction between
Education, Research
and Professional Practice**

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 President
 Aalborg University, Denmark

LAND MANAGEMENT TRAINING CENTRE, KATHMANDU UNIVERSITY
 DHULIKHEL, NEPAL, 16 FEBRUARY 2009



**International Trends
in Surveying Education...**

- **Management Skills - versus specialist skills**
 from traditional technical skills and push button technologies
 to interpretation and management of data meeting the needs of the clients
- **Project Organised Education - versus subject based**
 from traditional technical skills (knowing how)
 add-on approach
 to management and problem solving skills (knowing why)
 focus on "learning to learn"

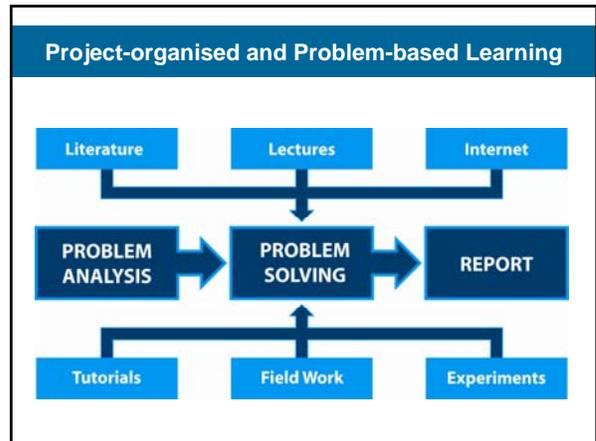
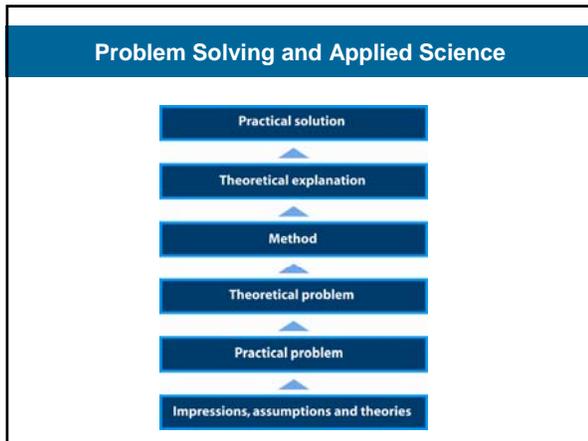
**...International Trends
in Surveying Education**

- **Virtual Academy - versus classroom lecture courses**
 from traditional on-campus activities
 to a more open role of serving the profession and the society
- **Lifelong Learning - versus vocational training**
 from learning for life through university graduation
 to lifelong learning through CPD-strategies and distance learning

The Global Challenges

- **Technology development**
 - GPS, GIS, Internet
- **Micro-economic reform**
 - privatization, decentralization, downsizing, quality assurance
- **Globalization**
 - from local to global
 - events in one part of the world impact on people in other parts of the world
- **Sustainable development**
 - developments that effectively incorporates economic, social and environmental concerns in decision-making
 - meet the needs of the present without compromising the ability of future generations to meet their own needs

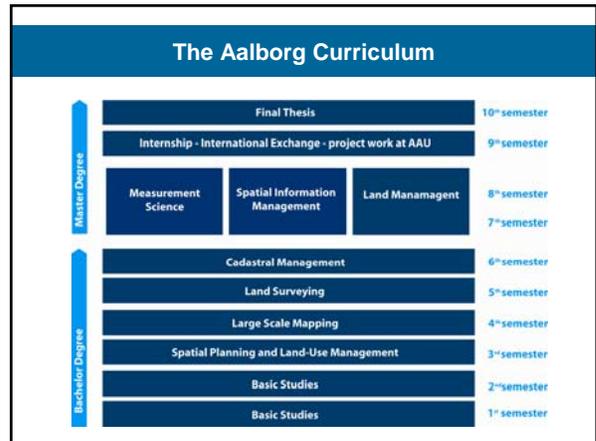




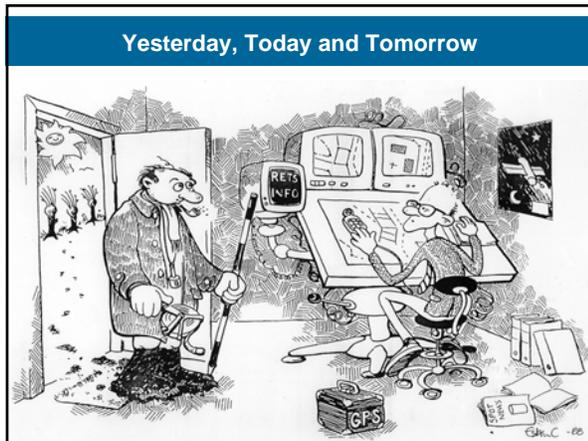
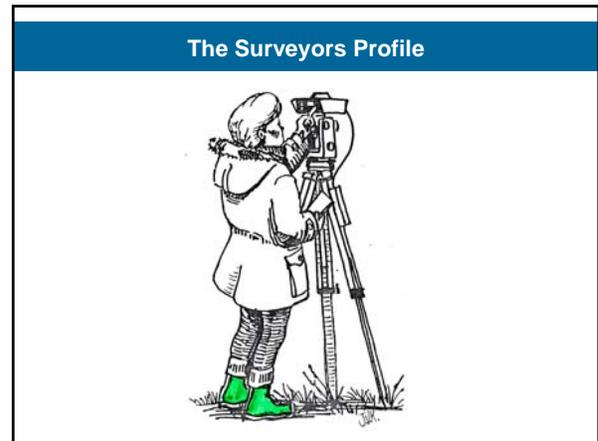
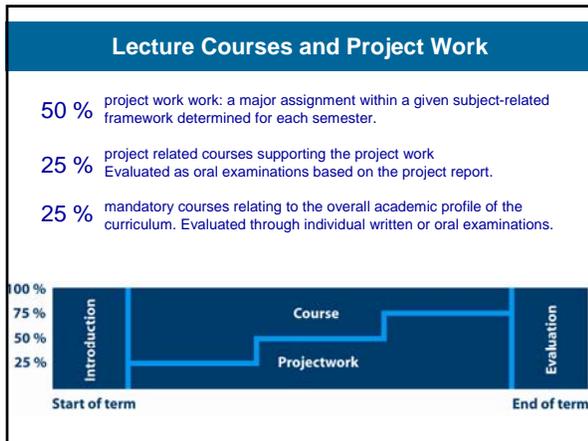
Key Philosophy

Tell me and I will forget
 Show me and I will remember
 Involve me and I will understand
 Step back and I will act

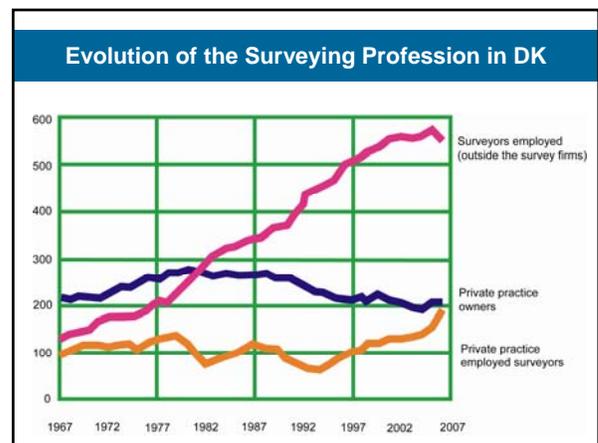
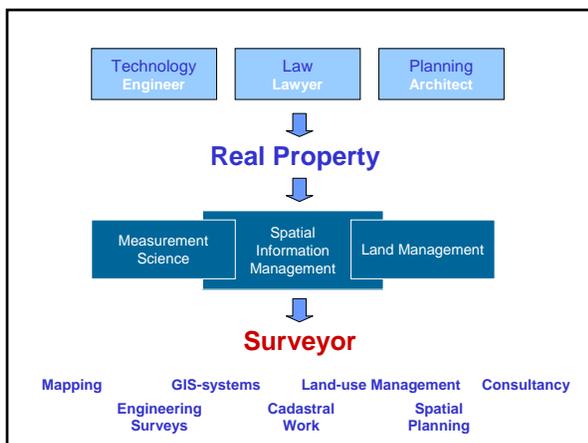
Chinese proverb

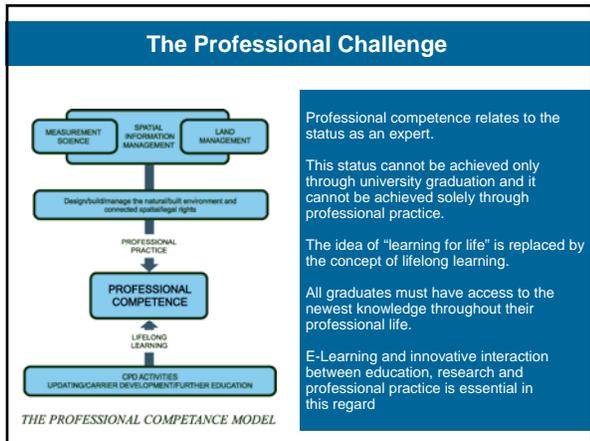
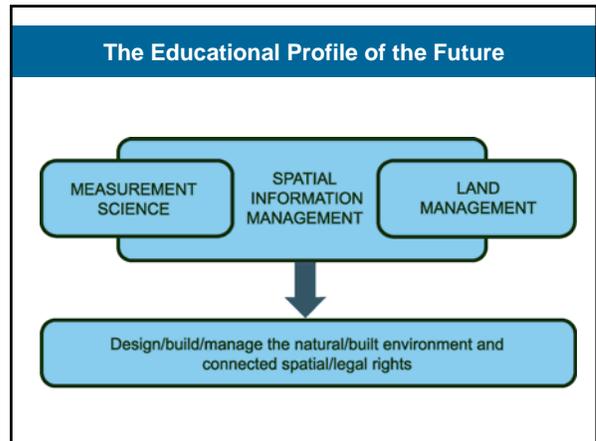
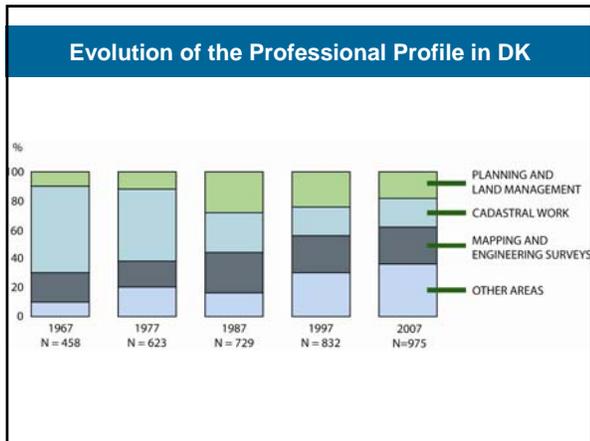


- ### The Aalborg Model
- **Problem Based Learning**
 - Based on real-life engineering problems
 - **Project Organised Education**
 - Project work supported by lecture courses
 - **Group Work**
 - groups of four to six students
 - supervised by the teachers
 - **Interdisciplinary Studies**
 - Integration of theory and practice
 - Focus on Learning to Learn
- “The Aalborg Experience”, Finn Kjærdsdam & Stig Enemark



- ### The big swing
- **From Measurement**
Surveyors will still be high level experts within measurement science, but due to technology development the role is changing into managing the measurements
 - **To Management**
Surveyors will increasingly contribute to building sustainable societies as experts in managing land and properties
- The Land Professionals**





Key Message

Curriculum innovation essentially depends on an efficient interaction between education, research, and professional practice.

