





FIG Policies - 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





Current FIG policies

Do Surveyors have a role to play in the global agenda?

Yes!

Simply, no development will take place without having a spatial dimension

And no development will happen without the footprint of the surveyor



The role of the land professionals

Dealing with the land issue will require skills in the following areas:

- High level geodesy models to predict future change
- Modern surveying and mapping tools to support management and implementation
- Spatial data infrastructures to support decision making on the natural and built environment
- Secure tenure systems and sustainable systems for land valuation, land use management and land development
 Systems for transparency and good governance

Land governance is an interdisciplinary and cross-cutting area mixing technical, natural and social science



Key Message

Facing the challenges requires an innovative and adaptable approach to both curriculum design and course delivery within the framework of an overall quality culture.

Building the capacity will eventually depend on an efficient interaction between education, research, and professional practice.

FIG Commission 2 Work Plan 2011-2014

- WG 2.1 Curriculum and Core Survey Knowledge
 Understanding core curriculum needs for a consistent and interchangeable education for professional surveyors.
- WG 2.2 Learning and Teaching Methodology

 Identifying best practices for learning and teaching methodologies for universal continuous development of the surveying profession
- WG 2.3 Marketing and Management
 Developing a logical, universal approach to promotion of professional survey education
- WG 2.4 Accreditation and Quality Assurance
 Promoting quality survey education meeting international needs for developing a universal understanding of the role of surveyors in society

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Sermary, Bonn (4.5 years) Options Options Options Permark, Alborg University (5 years) Options <pOptions</p> Options Options <p





Learning to Learn

Professional and technical skills can be acquired and updated later in ones carrier, while skills for problem solving and skills for learning to learn can only be established through the process of academic training at the universities.

Skills of dealing with the unknown problems of the future











Virtual Academy

- Web-based course provision
 Lecturing based on virtual learning documents
- Wed-based course libraries - Available for ongoing improvement
 - Available for professional practice
- Web-based spatial data libraries
 Available for courses and project work
- Web-based distant learning courses
 Offered as CPD activities, summer schools etc.
 Integrated platforms for professional knowledge



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And....promotion for attracting students

Facing the challenges				
Lack of students	Year	Enrol	Grad.	
 Too big a gap between supply and demand 	2000	52	17	
	2001	39	23	
	2002	38	30	
Option for double degree and new specialisations in cooperation with Lund University, Sweden	2003	35	30	
	2004	32	35	
	2005	25	46	
 Option for offering a range of specialisations as master programs under the Bologna agreement. 	2006	26	35	
	2007	28+21	25	
	2008	25+19	20	
Option for offering the program also in Copenhagen	2009	23+14	27	
	2010	19+11	21	
	Rate of unemployment < 1%			



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Quality Management

•Structural Challenges

- Local level: Department structures - National level: Performance criteria, resources
- International level: Agreements such as Bologna
- Call for leadership, focus on the professional competence of the graduates
- Accreditation, monitoring and assessment
- Evaluation towards minimum standard criteria Monitoring the labour market of the graduates
 - Establishing and Advisory Boards of stakeholders

· Creating a quality culture

- Internal monitoringHandbook of Quality Management
- Quality circle





Looking Ahead

- Academic Members enhancing the potential
 - Pursuing the potential of the Academic network Providing opportunities and clear benefits of being an academic member
 - Facilitating interaction at national, regional and global level
 Enhancing interaction between academia and professional practice.
- Surveying Education Database interactive communication Promoting updating and accessibility
 Providing opportunities for interaction (curriculum design; research projects; etc)
 - Facilitating institutional development at regional level
 - Sharing initiatives on recruitment, gender equity, etc.
- Global Academic Partnership building the capacity Promoting Land Governance in support of society and the global agenda, including:
 Positioning Infrastructures,
- Spatial data Infrastructures, - Land administration infrastructures

