

FIG Commission 2 – Professional Education

Work Plan 2011–2014

1. Title

Professional Education.

2. Terms of Reference

- Curriculum development
- Core surveying knowledge
- Learning and teaching methods and technologies
- Educational management and marketing
- Continuing professional development
- Networking in education and training

3. Mission Statement

The mission of Commission 2 is to promote good practices in professional surveying education by:

- exploring the needs of society and endorsing universities and other educational organizations to develop mechanisms and processes that will help to meet those needs
- supporting and promoting advances in survey education through identification of core surveying knowledge
- promoting cooperative ventures in surveying education and research
- supporting the building of capacity for surveying education in the developing world
- reinforcing contacts to educational commissions of related professions
- improving dissemination of information on all of the above

4. General

Commission 2 will continue the work on e-learning, work with identifying core survey knowledge, work with building capacity in surveying education, promote opportunities for young surveyors, promote the FIG academic membership, work with educational management and marketing, and identify educational standards and accreditation procedures.

In general the 2011-2014 work plan aims to:

- Share professional surveying education standards and accreditation
- Share core surveying knowledge
- Share good learning and teaching practices in surveying education
- Share good educational management and marketing processes
- Continue development on the FIG Surveying Education Database
- Promote FIG academic membership of universities and other educational organisations
- Promote opportunities for students and young surveyors within Commission 2 and in FIG in close co-operation with the Young Surveyors Network
- Promote cooperative education and research opportunities

The work of Commission 2 will be done through four working groups. Each of the working groups represents an area of focus in professional surveying education. During the four-year term of office workshops are planned for each of the working groups. The workshops are proposed to be held in conjunction with FIG Working Weeks, Regional Conferences and special workshops held annually with locations and dates given below. Each planned conference will focus on one or more themes from a working group.

5. Working groups

Working Group 2.1 - Curriculum and Core Survey Knowledge

Policy issues:

- Identify the necessary core surveying knowledge and technology for the education in our profession
- Identify and compare curriculum across universities and countries
- Identify the necessary changes in curricula due to the changing technology in our profession

Chair

- Bela Markus (Hungary), e-mail: mb@geo.info.hu

Vice-chair:

- Irina Fartukova (Russia), e-mail: fut-office@miiigaik.ru

Specific project(s)

- Develop a guide for identifying and describing core surveying knowledge

Workshop(s)

- Participation in FIG Working Weeks and other major Commission 2 organised or co-sponsored events with dedicated technical sessions and/or workshops as appropriate.
- SAGES/FIG Workshop, University of Mayaguez, Mayaguez, Puerto Rico, July 19–22, 2011.

Publication(s)

- Summary guide for core surveying knowledge

Timetable

- Draft publications will be presented at Working Weeks during the term of this plan and according to the timetable to be developed by the Working Group Chair.

Beneficiaries

- FIG member associations, FIG Academic Members, surveying businesses, universities offering surveying programs, individual surveying academics and individual surveyors.

Working Group 2.2 – Learning and Teaching Methodology

Policy issues

- Identify the change in the teaching and learning methodology due to the changing technologies in education and in the professional practice.
- Make recommendations for future learning methods under specific circumstances (distant learning, off-the-job-training, life-long learning).

Chair

- Lisa Groenendijk (Netherlands), e-mail: groenendijk@itc.nl

Vice-chair:

- Reinfried Mansberger (Austria), e-mail: reinfried.mansberger@boku.ac.at

Specific project(s)

- Identify and share best practices in e-learning and other new educational methodologies.

Workshop(s)

- Participation in FIG Working Weeks and other major Commission events with dedicated technical sessions and/or workshops as appropriate.
- Moscow State University, Moscow, Russia, 12-18 September 2012

Publication(s)

- Changing technologies and strategies in surveying teaching methodology

Timetable

- Draft publications will be presented at Working Weeks during the term of this plan and according to the timetable to be developed by the Working Group Chair.

Beneficiaries

- FIG member associations, FIG Academic Members, surveying businesses, universities offering surveying programs and individual surveying academics.

Working Group 2.3 – Marketing and Management of Professional Survey Education

Policy issues

- Some parts of the world exhibit a declining interest by potential professionals in surveying education. Other parts of the world have an interest but few opportunities to pursue surveying education. Commercial aspects of education must be recognized but opportunities for cooperation between educational organizations and a logical, universal approach to promote professional survey education need be developed and shared.

Chair

- Chris McAlister (Australia), e-mail: madamefishfighter@rocketmail.com

Vice-chair:

- Marina Vaskovich (Sweden), e-mail: marina.vaskovich@infra.kth.se

Workshop(s)

- Participation in FIG Working Weeks and other major Commission events with dedicated technical sessions and/or workshops as appropriate.
- Workshop in Western Europe (Netherlands, Hungary?)

Publication(s)

- The Status of Surveying Education

Timetable

- Draft publications will be presented at Working Weeks during the term of this plan and according to the timetable to be developed by the Working Group Chair.

Beneficiaries

- FIG member associations, FIG academic members, surveying businesses, universities offering surveying programs and individual surveying academics.

Working Group 2.4 – Accreditation and Quality Assurance

Policy issues

- Academic accreditation of surveying education programs
- Mutual recognition of surveying education degrees

Chair

- Tim Goodhead (United Kingdom), e-mail: tim.goodhead@port.ac.uk

Vice-chair:

- Gary Jeffress (United States), e-mail: gary.jeffress@tamucc.edu

Specific project(s)

- Identifying institutions, procedures and methods used to accredit surveying educational programs

Workshop(s)

- Participation in FIG Working Weeks and other major Commission events with dedicated technical sessions and/or workshops as appropriate.
- Workshop at the University of Portsmouth, Portsmouth, England, August/September 2014.

Publication(s)

- Guide to Academic accreditation criteria for Surveying Education

Timetable

- Draft publications will be presented at Working Weeks during the term of this plan and according to the timetable to be developed by the Working Group Chair.

Beneficiaries

- FIG member associations, FIG Academic Members, surveying businesses, universities offering surveying programs and individual surveying academics.

6. Commission Officers

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