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Chair of UNHPF and of JBGIS

About Surveyors Commitment, Role and education for society and sustainable development

at 8th SEASC 2005 in Brunei Darussalam on 22 Nov.

1. Brunei Darussalam – a model of global surveyors community and its challenges
2. About surveyors commitment and role
3. About modern future oriented education ad CPD
4. FIG – a global early warning system for surveyors profession

Brunei Darussalam – a model of global surveyors community and its challenges



About surveyors commitment and
role for society and sustainable
development

„Without knowledge, an organisation will face obstacles, remain static and be incapable to bring about dynamic changes ...

Brunei minister....

... The changes include attitude, mindset, leadership, administration and management. Islamic administration and management should be adapted in our daily lives ...“

The minister of home affairs in Brunei Darussalam
Pehin Dato Awg Hj Adanan on 15 November 2005



7 key factors of growing economy and wealth (and of Innovation)

1. Natural resources
2. Human resources
3. Technical process
4. Capital
5. Knowledge and its marketing
6. Institutional framework (see D. North!!!)
7. Values, ethics, paradigm of commitment

Source: Prof. Roland Berger

From survey to serve society:

FIG and its members want to serve society and to contribute building a more just, peaceful and sustainable world by

- Implementing MDG, espec. on the fields of property rights, secure tenure, access to land, water, marine and natural resources

From survey to serve society

- Data management, GSDI and NSDI...
- Urban and rural development/urban-rural-interrelationship, resettlement, infrastructure ...
- Survey engineering, location based services...
- Land administration; marine, coastal zone, land, real estate and disaster and risk management
- Geodetic reference systems by GNSS, remote sensing...
- Mapping, 3 D and 4 D cadastre etc.

From Silos to interdisciplinary Networks and Cooperation

- Only together we can aim at and reach comprehensive solutions towards sustainable societies and development.
- About 80 % of all decisions are spatially resp. geo-referenced.
- Therefore surveyors work is a central pillar of each state and its economy!

„To be a good technician
it is not enough
to be a good technician only“

Spanish writer Ortega y Gasset

About modern future oriented education and CPD

There is a common truth across the world:
Education should not only be focussed on modern survey technology and techniques and on data gathering and modelling etc. but also on the whole environment of neighbour disciplines and on understanding and collaborating with them.

The educational aim should be:

**A well grounded specialized
Generalist**

to be more able to play in the first rows!

**FIG – a global early
warning system**

FIG SWOT-analysis

Strength <ul style="list-style-type: none"> - high engagement of functioners and members - high reputation and attractivity - present in more than 100 countries - leading survey representative (incl. business sector) - representation of all branches (state, private...) - providing standards and guidelines for quality of education and professional ethics etc. - contributions to good governance and institutional framework - 	Weakness <ul style="list-style-type: none"> - not everywhere adequate education level - weak representation in planning activities - not enough geodetic university level and no/less tradition and not enough evidence of surveyors in some countries - due to honorary posts and lack of money there is no quick „business like-handling“ possible - still too European and too much northern hemisphere - different sizes and activities of commissions
Options <ul style="list-style-type: none"> - high competence in GIS for enlarging activities - bridging the fields and getting win-win-aspects (e.g. GIS + land management etc.) - influencing political decisions on national aspects of surveying - patronages of rich members for poor member applicants - 	Threats <ul style="list-style-type: none"> - closing of geodesy at universities - not enough students in Western Europe - study of „second choice“ (minor quality of students?) - financial weakness of esp. African members - instable or weak conditions for regional events in many countries - language problems and language proud

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FIG welcomes BIG as new member

- FIG is convinced that we will get mutual benefit to better cope with global and local trends such like
- growing decentralization, subsidiarity and civil society
- need for good governance and poverty reduction as precondition of peace and SD
- increasing importance of NGO and experts ...



B.I.G. president addresses FIG GA



Growing civil society and subsidiarity



Fig.: The growing importance of the local level against increasing civil society and activating state

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Surveyors are specialists of low land reality ... and sustainable development

therefore my VISION as FIG president:
Surveyors should play a manifold role as

enablers for local people, CBO and NGO

mediators between citizens and authorities

advisors to politicians and state institutions



**See you in
Munich 2006!!!!**