









The key message

From measurement to management

- From playing a key role as geodetic engineers in exploring and measuring land and seas of the world
- To playing a new key role as and managers of land and properties
 The need for eradicating poverty and achieving sustainability

The Land Professionals





The Role of Fig

Professional Development

- Developing the profession through providing a global forum for professional discussions and interaction
- Conferences, symposia, commission working groups, ...
 This global forum offers opportunities to take part in the
- development of all aspects of surveying disciplines

Institutional Development

- Building the capacity, through institutional and organisational development at national and international level
- Providing institutional support for professional organisations to adopt standards for education, CPD, and professional code of conduct

Global Development

- Building a better world through contributing to the global agenda
- Cooperation with international NGO's such as the UN agencies, World Bank, and sister organisations
- Joint activities and common policy-making to reduce poverty and enforce sustainable development

The Global Challenges

- Technology development - GPS, GIS, Internet
- Micro-economic reform
- privatization, decentralization, downsizing, quality assurance
- Globalization - from local to global
 - 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

The UN Millennium Development Goals

- Goal 1: Eradicate extreme poverty and hunger
- Goal 2: Achieve universal primary education
- Goal 3: Promote gender equality and empower women
- Goal 4: Reduce child mortality
- Goal 5: Improve maternal health
- Goal 6: Combat HIV/AIDS, malaria and other diseases
- Goal 7: Ensure environmental sustainability
- Goal 8: Develop a Global Partnership for Development

The framework includes 18 targets and 48 indicators enabling the ongoing monitoring of annual progress

The first seven goals are mutually reinforcing and directed at reducing poverty in all its forms. The last goal – global partnership for development - is about he means to achieve the first seven

Surveyors play a key role in in terms of providing some of fundamental preconditions for development

These preconditions are embedded in the MDGs and spelled for achieving the MDGs.

FIG should make the world under-stand the important contribution of the surveying profession in his regard.

The UN Millennium Development Goals

Goal 1: Eradicate extreme poverty and hunger Reduce by half the proportion of people living on less than a dollar a day Reduce by half the proportion of people who suffer from hunger

Goal 2: Achieve universal primary education Ensure that all boys and girls complete a full course of primary education

Goal 3: Promote gender equality and empower women #Eliminate gender disparity in primary and secondary education preferably by 2005, and at all levels by 2015

Goal 4: Reduce Child mortality Reduce by two thirds the mortality rate among children under five

Goal 5: Improve maternal health Reduce by three quarters the maternal mortality ratio

Goal 6: Combat HIV/AIDS, malaria and other diseases Hait and begin to reverse the spread of HIV/AIDS Hait and begin to reverse the incidence of malaria and other major

Goal 7: Ensure environmental sustainability integrate the principles of sustainable development into country policies and programmes; reverse loss of environmental resources indexce by half the proportion of people without sustainable access to safe dividing water a/chave significant improvement in lives of at least 100 million slum develors, by 2020

by 3200⁻ Coal E Corpeting a global partnership for development Bowelog further an open training and financial system that is nelesased. Interdictable and non-domination, relation a commitment to good generateue medicable and non-domination, relation and a source of the second and and the second second second second second second source and the second second second second second second source and the second second second second second second address the second second second second second second second address the second second second second second second second address the second second second second second second second address the second second second second second second second address the second second second second second second accomparison set plannacentical companies, provide access to allordable ariff- and indebted which be possible to a second seco





















The role of the surveying profession

The MDGs is a powerful concept towards development, security and human rights for all. The surveying profession plays is key role by providing:

- Geographic information in terms of mapping and databases on the natural and built environment
- Secure tenure systems
- Systems for land valuation, land use management and land development
- Systems for transparency and good governance



From Cadastre to Holistic and Pro Poor Land Management

- Holding of rights to lands
- Economic aspects of land
- Control of land use and land development

Administering the people to land relationship through

- Land Policy
- Land Management
- Good Governance
- and
- Building the capacity to deal with this

The increasing role of property rights...

"Civilised living in market economies is not simply due to greater prosperity but to the order that formalised property rights bring"

Iernando de Soto - 1993

What is a good property system ?

- People in general can participate in the land market; widespread ownership; everybody can make transactions and have access to registration
- The infrastructure supporting transactions must be simple, fast, cheap, reliable, and free of corruption.
- The system provides safety for housing and business, and for capital formation

Only 25-30 countries in the world apply to these criteria.





















UN-Habitat has asked FIG (ITC) to develop a prototype Develop STDM as a conceptual model Develop specifications for prototype development Develop a prototype Test STDM prototype with real data

· Procedures for review and quality control



Cooperation Agreement with the World Bank

Mutual representation at conferences, forums and meetings

- Mutual representation in collaborative projects
- Joint publications
- Joint promotion
- Organizing a joint WB/FIG high profile conference late 2008 at the WB headquarters in Washington DC







The big swing • Measurement Surveyors will still do measurements but this special expertise is no longer the core activity due to technology development • Management Surveyors will increasingly contribute to building sustainable societies as experts in managing land and properties The Land Professionals







Spatial Enablement

Spatial enablement offers opportunities for visualisation, scalability, and user functionalities.

- Attachment of information to images of the parcel and property
- Identification of "the place" in ways that are understandable by non-technical people (Google Earth)
- Capacity of businesses and citizens to manipulate the information through service oriented IT- architecture.
- Integration of government information systems
- Provision of seamless information to institutions and government













