



Where are we heading ?

Is the role of the Surveyors changing?

Yes !

From land surveying to land management

From land surveyors to land professionals



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





Land administration

Land Administration Systems provide the infrastructure for implementing land policies and land management strategies in support of sustainable development.

A "state of the art" book – rather than a text book

Williamson, Enemark, Wallace and Rajabifard 487 pages - ESRI Press Academic, 2010

Land Administration for Sustainable Development











Limitations of Formal Cadastral Systems

- More than 70 per cent of the land in many developing countries are outside the formal systems of land registration and administration
- This relates especially to informal settlements and areas governed by customary tenure
- Traditional cadastral systems do not provide for security of tenure in these areas.













Place Matters

Everything happens somewhere

"If we can understand more about the nature of "place" where things happen, and the impact on the people and assets on that location, we can plan better, manage risk better, and use our resources better."

Location Strategy for United Kingdom, 2008

"Heading toward spatial enabled society"

Spatially Enabled Government

A spatially enabled government organises its business and processes around "place" based technologies, as distinct from using maps, visuals, and webenablement.

The technical core of Spatially Enabling Government is the spatially enabled cadastre.

















Addressing the Challenge

No matter the inequity in terms of emissions and climate change consequences.... there is a need to develop relevant means of adaptation to climate change in both the rich and the poorer countries.

Poverty reduction is - in itself - a means of adaptation to climate change

Sustainable and integrated land-use management is another means

Land Governance and Climate Change

Sustainable Land Administration Systems should serve as a basis for climate change mitigation and adaptation as well as prevention and management of natural disasters.

Incorporating climate change into current land policies

Adopting standards for energy use, emissions, carbon stock potential,...

Identifying prone areas (sea level rise, drought, flooding, fires,...)

Controlling the use of land in relation to climate change and disaster risks

Introducing carbon footprint assessments in relation to land use developments

Controlling building standards and emissions in relation to climate change

Improving resilience of existing ecosystems vulnerable to climate change









	1950	1975	2007	2025	2050
World Urban Population (million)	737	1,518	3,294	4,584	6,398
Percentage	29.1%	37.3%	49.4%	57.2%	69.6%
More Developed Region (million)	427	702	916	995	1,071
Less Developed Region (million)	310	817	2,382	3,590	5,327
		Source:	World Urbani	zation prospec	ets, UN, 2008

last few decades.

Planning Sustainable Cities UN-Habitat, 2009



















Key Message

The importance of good land governance in support of the global agenda should be self evident- but this is not well understood by the public in general.

Land Professionals are custodians of enabling technologies and practices, and should take a lead role in:

- Explaining the role of good land governance to the wider public, and
- Facilitating action

This should also ensure that the land governance perspective, and land professionals, attract high-level political support and recognition.



