FIFTEENTH UNITED NATIONS REGIONAL CARTOGRAPHIC CONFERENCE FOR ASIA AND THE PACIFIC
Kuala Lumpur, 11-14 April 2000
Item 9 (d) of the provisional agenda*

REPORTS ON ACHIEVEMENTS IN SURVEYING, MAPPING AND CHARTING IN ADDRESSING NATIONAL, SUBREGIONAL, REGIONAL AND GLOBAL ISSUES, INCLUDING: LAND REFORM, LAND MANAGEMENT, PLANNING AND DEVELOPMENT

Powerpoint Presentation
(By Ian Williamson)
SDIs, Land Administration and Sustainable Development - The UN-FIG Bathurst Declaration

Ian Williamson

Department of Geomatics
The University of Melbourne

Director United Nations Liaison, International Federation of Surveyors

Objective of presentation

- SDI development must be driven by business needs
- Relationship between land, sustainable development and SDIs
- UN-FIG Bathurst Declaration
- Importance of addressing cadastral and land administration issues in UNRCC and PCGIAP

Land Administration

- Land Administration: process of determining, recording and disseminating information about the tenure, value and use of land when implementing land management policies
- Most countries in region have major land administration projects underway

Sustainable Development

Development that effectively incorporates economic, social, and environmental factors within a framework of institutional, political, legal and technological systems conducive to appropriate decision making.
The changing humankind to land relationship results in changing land administration infrastructures and consequently changing requirements for spatial data infrastructures.

Evolution of Cadastres

- Fiscal
- Transfer
- Planning
- Multi-purpose

Cumulative Evolution of Applications for Cadastre

Dynamic humankind/land relationship

- The relationship has always been dynamic
- Cadastral trends have been driven by this dynamic relationship
- Current & future priority: sustainable development
- Future trend: Multi-purpose cadastres

Sustainable Development

- Current land administration systems are based on 19th Century paradigms and as such are inadequate in addressing sustainable development objectives.
Declaration considered

• Future humankind/land relationships;
• The role of land in sustainable development;
• Land tenure and land administration systems;
• Re-engineering land administration systems.

and relationship between

• Land, Water and Food
• Land Tenure, Markets, Planning and Valuation

The Bathurst Declaration calls for

Recognition that without effective access to property, economies are unable to progress and the goal of sustainable development cannot be realised

The Bathurst Declaration calls for:

a global commitment to halving the number of people in the world who do not have secure access to property rights by the year 2010

The Bathurst Declaration calls for:

• legal security of tenure and access to property;
• institutional reforms
• re-engineering land administration systems.

The Bathurst Declaration calls for:

• investing in land administration infrastructure
• dissemination of land information;
• cooperation between land administration professionals;
• participation by local communities;
Developing spatial information management strategies

Changing humankind-land relationship

Sustainable development strategies

Land administration systems

Spatial business systems

Spatial data infrastructures

Hierarchy of SDIs

- Complex arrangement of partnerships
- Dynamic
- Hierarchical
- NOT a national atlas

Framework for Re-engineering Land Administration Systems

Sustainable development is just rhetoric without appropriate land administration and spatial data infrastructures

SUMMARY

CONCLUSIONS

Sustainable development is not possible without sound land administration
CONCLUSION

UNRCC and PCGIAP must give priority to cadastral and land administration issues if member Nations are to develop the next generation of spatial data infrastructures.

These issues will be discussed at the Cadastral Workshop

Thursday 2.00-5.30pm