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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)

FIG 15th United Nations Regional Cartographic Conference for Asia and the Pacific, Kuala Lumpur, April, 2000

SDIs, Land Administration and Sustainable Development - The UN-FIG Bathurst Declaration

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FIG

Acknowledgement

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FIG **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

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FIG **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

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FIG

The Cadastral Concept

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FIG **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.

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FIG

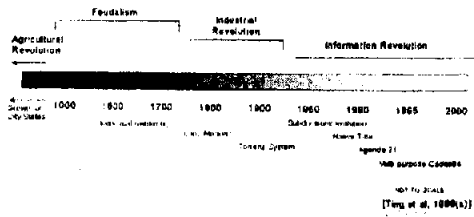
TREND

The changing humankind to land relationship results in changing land administration infrastructures and consequently changing requirements for spatial data infrastructures

FIG

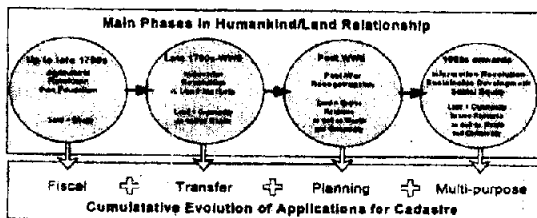
Dynamic humankind-land relationship

SKETCH OF EVOLUTION OF WESTERN LAND ADMINISTRATION SYSTEMS



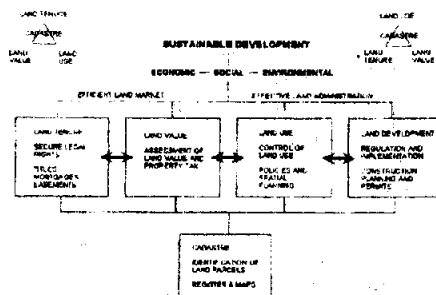
FIG

Evolution of Cadastres



FIG

Sustainable Development



FIG

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

FIG

DILEMMA

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

FIG

Declaration considered

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

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FIG

and relationship between

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

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FIG

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

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FIG

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

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FIG

The Bathurst Declaration calls for:

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

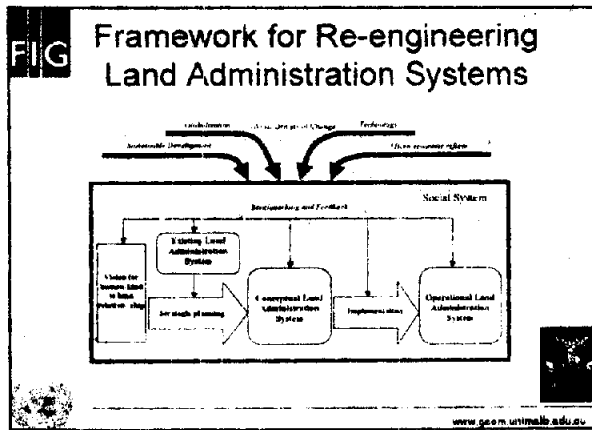
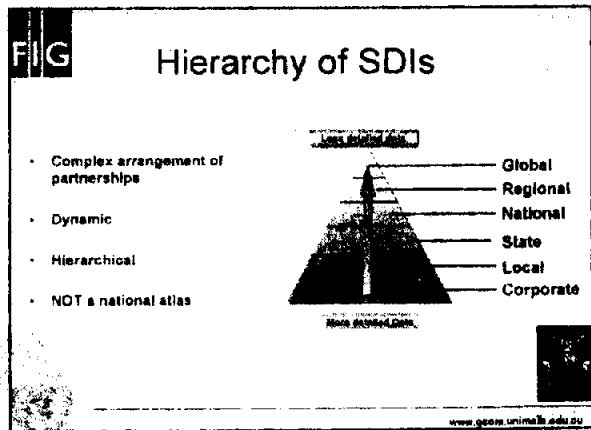
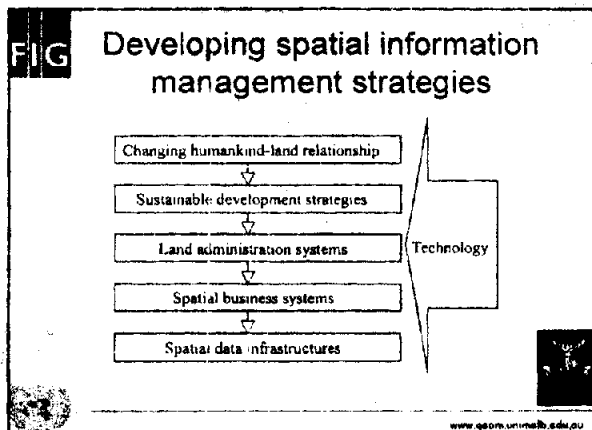
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FIG

The Bathurst Declaration calls for:

- investing in land administration infrastructure
- dissemination of land information;
- cooperation between land administration professionals;
- participation by local communities;

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

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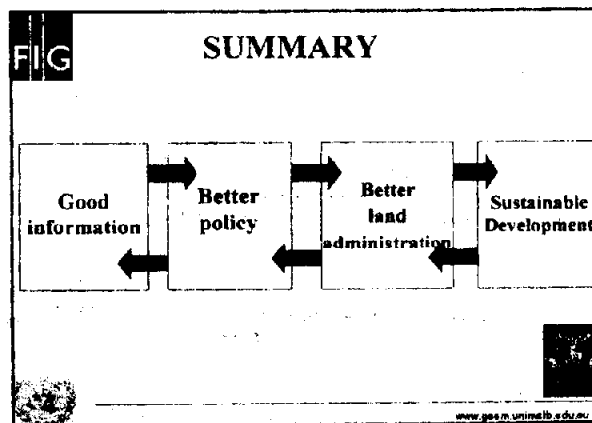


FIG CONCLUSIONS

Sustainable development is not possible without sound land administration

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FIG

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*

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FIG

**These issues will be discussed
at the Cadastral Workshop**

Thursday 2.00-5.30pm

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