



Political and Implementation Challenges of Integrating Land Information into a Coherent Land Administration System for Sustainable Development

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Issue

“The Institutional Level Challenge (Political & Implementation challenges): To establish appropriate institutional and organizational infrastructures to manage the integration of topographic mapping and cadastral information into a coherent land administration system for sustainable development.”

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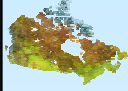


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Recommendation

“that member States develop appropriate institutional, legal and technical processes to integrate land administration and topographic mapping programs within the context of a wider national strategy for spatial data infrastructure.”



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Presentation Outline

1. Introduction
2. Key Political Challenges
3. Key Implementation Challenges
4. Conclusion and Recommendations

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Introduction

1. The Canadian Context
2. Key Challenge: Institutional Creation and Reform
3. Land Administration and Institutional Evolution
4. Dialogue on Key Political and Implementation Challenges

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Key Political Challenges

1. Obtaining the Attention and Funding of Government
2. Influencing Senior Decision Makers
 - The GeoConnections example
 - “Issues-Driven” strategy
 - Results-Based Logic Model
 - Constituent “Push”
3. Technology Application and Safeguards

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Defining Roles

Government, Academia, Private Sector

1. Canadian Context
2. “Canada Lands” Example
3. Strategy to define scope of activities, e.g. “own only what you must; influence all you can”
4. Application to Marine Cadastre and National Mapping Strategy.






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Key Implementation Challenges

1. Breaking Down Institutional Barriers
 - Adoption of a National Spatial Reference System
 - A common approach to:
 - Property Rights Registration
 - Land Survey Standards
 - Technical data management platforms







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Key Implementation Challenges (cont'd)

1. (cont'd)
 - Fiscal constraints driving cooperation and collaboration in building CGDI
 - Programs:
 - Geo Connections
 - GeoBase
 - Organizations:
 - Inter-Agency Committee on Geomatics
 - Canadian Council on Geomatics



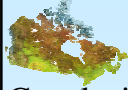
Key Implementation Challenges (cont'd)

2. Developing Common Standards
 - Legacy of multi-standards by many organizations
 - Developing standards for data interchange in CGDI
 - Lack of standardization - a barrier to data integration and interoperability



Conclusion and Recommendations

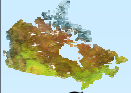
Key Political Challenges	Possible Solutions
<i>Influencing Senior Decision Makers</i>	<i>Involvement in participatory governance models</i>
	<i>Clearly illustrating how geospatial infrastructure directly supports their mandate</i>
	<i>Public Awareness Campaigns</i>
	<i>Communicating that land records are a national heritage and must be protected for future generations</i>
<i>Defining Roles for the Private Sector, Government and Academia</i>	<i>Through a consultative process develop a joint strategy that supports each participant's objectives, with clearly defined roles</i>
	<i>Develop criteria to test participation</i>

Conclusion and Recommendations (Cont.)

Key Implementation Issues	Possible Solutions
<i>Breaking Down the Institutional Barriers</i>	<i>Identify key leaders or champions in each participating department that have the authority to implement change</i>
	<i>Involve participants from participating organizations in strategic planning exercises</i>
	<i>Involve participants at the working level in participating in joint business process re-engineering exercises</i>
	<i>Engage constituents in program and/or application development</i>
	<i>Develop strategies to reduce or eliminate financial barriers to accessing data</i>



Conclusion and Recommendations (cont'd)

Key Implementation Issues	Possible Solutions
<i>Developing Common Standards</i>	<i>Take a leadership role in developing and encouraging the use of common standards.</i> <i>Developing a user awareness campaign promoting the benefits of using common standards.</i>