

## **DOMAIN DESCRIPTION ORGANIZATIONAL (CONCEPTUAL) ASPECTS**

**CHAIR: MICHAEL SUTHERLAND**

University of New Brunswick  
Department of Geodesy and Geomatics Engineering  
Canada

Discussions will be organized around:

- What are the problems to be addressed?
- What are the potential solutions?
- What are our recommendations?

As a catalyst for critical and analytical thinking toward addressing the sessions' foci, the organizational working sessions will initially focus on:

- Clarifying, in order to obtain consensus, what is meant by “operationalization,” financing, and working processes in relation to organizations dealing with 3D cadastre;
- Identifying other consensus items relevant to the discussions.

Notwithstanding the dynamics of the discussions, the following topics should then be included (among others):

- Organizations and Good Governance
  - Understanding, at the policy level, the need for 3D cadastral information (the importance of 3D information to governance, and the need to formulate a cadastral mental model of the world in at least 3 dimensions)
  - Collaboration, cooperation, and integration of organizations to enhance data sharing (towards a cadastre of “richer” content)
  - Strategic design to optimize the management of 3D cadastral information
  - Organizational structures and 3D cadastral information
  - Understanding the need for appropriate technology (choice of hardware and software)

- Understanding clients' needs
- The need for qualified and motivated human resources
- Operational Aspects
  - The need to understand the big picture (policy and strategy) to optimize operations (quality of the human resource)
  - Task design and task-person relationships
  - Optimal database design and implementation to meet clients' needs and organizational goals
  - Methods of 3D cadastral data collection, processing, and output
  - Appropriate use of technology (equipment, software etc.)
- Financial aspects
  - Are cadastral organizations being adequately funded, relevant to their importance to society?
  - Public vs. private investment in the cadastre
  - Organizational self-sufficiency requirements and cost recovery

The foregoing was listed as stimulus for energetic discussions and not as an agenda.