

Land Administration and Spatial Data Infrastructures – Trends and Developments

Prof. Ian P. WILLIAMSON, Australia

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ABSTRACT

Historically, the strength of a land surveyor lies in the ability to use and understand both measurement science and land management, and to apply these skills in a wide range of land related activities ranging from sustainable development to environmental management. In response to the theme of this conference which focuses on the role of Geomatics in Global Sustainable Development it is appropriate to consider how these skills have evolved and are evolving within the broad surveying discipline.

It is proposed that a major dimension of the measurement science skill is reflected in the growing importance of spatial data infrastructures (SDI) and the land related skills are reflected in the re-discovery that the role of land administration plays in serving economic, environmental and social priorities in society. While SDI play a much broader role than supporting land administration, land administration could be considered a key driver in SDI evolution.

The objective of this paper is to identify SDI and land administration trends and developments by drawing on the research of past, current and future projects undertaken by researchers in the Centre for SDI and Land Administration at The University of Melbourne.

CONTACT

Ian P. Williamson
Department of Geomatics
The University of Melbourne
Victoria
AUSTRALIA 3010
Tel. + 61 3 8344 4431
Fax + 61 3 9347 4128
E-mail: ianpw@unimelb.edu.au
Web-site: http://www.geom.unimelb.edu.au/research/SDI_research/

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Ian P. Williamson
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