

Implementing 3D Spatial Data Infrastructure for Oman - Issues and Challenges

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Key words: 2D Geospatial datasets; 3D Geospatial datasets; 2D SDI; 3D SDI

SUMMARY

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Key words: 2D and 3D Geospatial datasets, 2D SDI, 3D SDI

SUMMARY

This paper reviews the state of current 2D and 3D Spatial Data Infrastructure (SDI) in Oman. Based on the review, several issues will be discussed and relate with 3D geospatial datasets and other services within government, private sector and other users in the country. The review shows that there are several issues and challenges in order to implement full 2D as well as full 3D SDI. Currently, the state of Oman has made noticeable progress in 2D SDI but not yet in 3D domain. To date, there are no serious efforts and initiatives by the authority to materialize the 3D SDI. At the end, this paper will describe a comprehensible framework for implementing the 3D SDI, where several issues and challenges will be discussed. We expect, these issues and challenges of 3D SDI in Oman could trigger better solutions and services for several potential users.

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