

A Whole-of-Government Approach to Bruneian Geospatial Data Management

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SUMMARY

Management of geospatial data from multiple sources can be challenging, especially with the rapid development in spatial industry with more geospatial data acquired and shared among organisations. In many countries, geospatial data is frequently distributed based on specific themes or interests for better analysis and decision making. Despite the ability to improve internal processes within organisation or disciplinary, the management of the overall geospatial data at national level can become more complex as more isolated data can be created within the whole government. Thus this study aims to investigate the strategy on geospatial data management, focusing at the national level. For example, Australia is one good example with their experience and maturity in spatially enabling government and spatial data infrastructure. The spatial data infrastructure has potential to be a better platform for geospatial data management with proper policies in hand. On the other hand, Singapore as a one level government has been observed to be successful in managing its land resources with a high population in limited space.

This study investigates issues on institutional arrangement and policy making within different stages of the e-government and national spatial data infrastructure. The outcome of this study is able to provide prioritization between different principles in formulating the best approach in geospatial data management strategy, specifically for Brunei Darussalam. This country has implemented spatial data infrastructure for about five years, however, some important necessities on geospatial data are still lacking such as spatial data policy, clearinghouse and metadata. Thus these current issues will link up with the findings from this study in order to provide a recommendation for Brunei geospatial data management strategy.