Building a National Geospatial Information System: Malaysian's Experiences

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Malaysia is currently moving towards a Spatially Enabled Government and Society through e-initiatives (e-government) and c-initiatives (c-government). Under e-initiatives there are many systems have been developed and implemented including e-Cadastre, e-Mapping and e-Land under the Ministry of Natural Resources and Environment (NRE). Besides that we have Geospatial Information Systems (GIS) in various government agencies, departments and local authorities as well as private sectors that can be grouped into e-initiatives. Therefore, we need to connect them into c-initiatives for the purpose of optimizing the benefits and usage of geospatial and non-geospatial data among government and non-government agencies as well as general public. In c-initiatives under the Malaysian Centre for Geospatial Data Infrastructure (MaCGDI), NRE, government agencies and private sectors are able to connect various geospatial communities through Malaysian Geospatial Data Infrastructure (MyGDI). The MyGDI acts as an Enabling Platform for Spatially Enabled Government and Society. They can easily share and exchange geospatial information and also publish their metadata through Malaysia Geoportal. Under MaCGDI, NRE we have established a National Geospatial Data Centre (NGDC), State Geospatial Data Centre (SGDC) and Local Geospatial Data Centre (LGDC) in order to facilitate and speed up the process of sharing and providing the high quality fundamental geospatial data to the users for economic, social and environmental development in the country. In the near future, under New Government Initiatives we are looking ahead to connect also to non-geospatial communities to make it fully Digital Malaysia so that they can access and get the required geospatial data very quickly and instantly for the purpose of managing their information geospatially.