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Dr. Antonius B. Wijanarto

Division Head of Geospatial Information Communication Technology
Geospatial Information Agency
Indonesia

Indonesia NSDI: Development Progress

Abstract

Access to authoritative data that could be easily shared between parties is very important. The logical step forward was to implement an environment in which stakeholders, using technology, standards, and shared geospatial information, could interact to better achieve their objectives at different political or administrative levels. On August 3, 2007, the Regulation of the President of the Republic of Indonesia No. 85/2007 took effect for the implementation of the NSDI. The NSDI project will help achieve good governance of Indonesian geospatial data between national, provincial, and local governments, as well as nongovernmental organizations. The NSDI will support more efficient administration, especially in eliminating duplicate sets of the same data. The vision is for geospatial data to be more easily acquired and created throughout the island nation by a strong foundational system. This will support regional development planning for provincial governments, as well as manage natural resources, protect the environment, and mitigate natural hazards, ultimately contributing to the overall economic development of Indonesia. The former agency charged with this vision was the National Coordinating Agency for Surveys and Mapping (Bakosurtanal), which is evolving into the Geospatial Information Agency (BIG) as mandated by Geospatial Information Act. Before, Bakosurtanal was responsible for only providing basemaps up to a scale of 1:25,000. The new mandate for BIG is to provide an implementation strategy and funding for basemaps at various scales, from 1:1,000,000 all the way to 1:1,000.

Managing the NSDI project will involve many complex activities related not only to administrative matters but also to creating the right technical environment within government institutions to be able to evaluate, select, and manage geographic information. The first phase of the project will be completed by mid-2014 and will involve nine state institutions and two provincial governments. It will be considered successful if the developed NSDI complies with the original operational concept, uses approved standards, and increases the usefulness of Indonesia's geospatial assets. Once the NSDI is established, every institution involved will be thinking of how to keep the momentum of this historic project going. More participants will be included, more applications designed to use the system, and a working committee created to continue to define the direction and policies of this national treasure. This paper will evaluate and report the progress of NSDI Development in Indonesia that also summarizes each step of development and what to expect.