

NEW Paradigm Geospatial Information Development & One Map Policy in Indonesia

for Disaster Mitigation and Risk Management



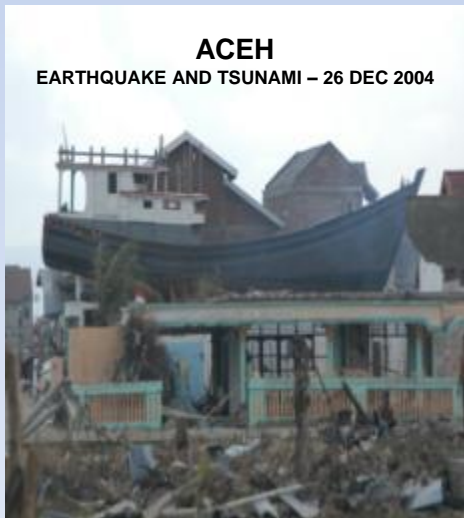
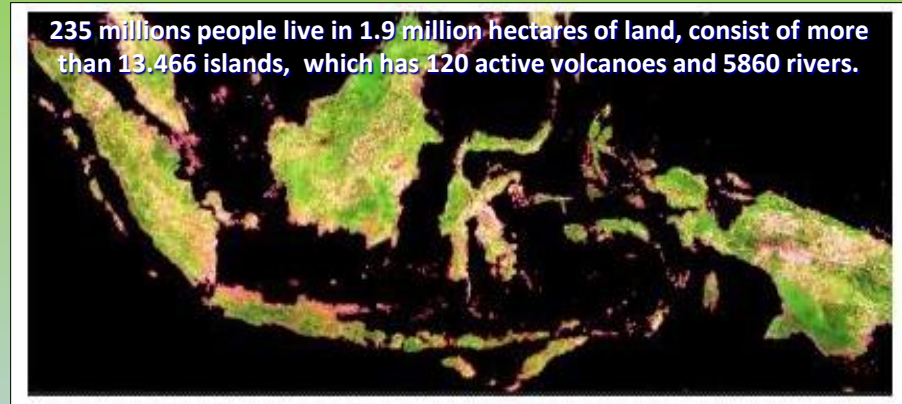
ASEP KARSIDI

**BADAN INFORMASI GEOSPASIAL & I3URI,
INDONESIA**

Beijing, October 2014

INDONESIAN COUNTRY

- COVERED BY RAIN FOREST
- LOCATED AT THREE CONTINENTAL PLATE *EURASIA*, *PASIFIC* AND *INDO-AUSTRALIA*
- PROMT TO ANY KIND DESASTER :
 - HIDRO-CLIMATE DISASTER
 - FLOODS
 - DROUGHTS
 - BUSH FIRE
 - EARTHQUAKES
 - TECTONIC
 - VOLCANIC
 - LAND SLIDES
 - TSUNAMI



WE NEED TO TRANSFORM THE WAY WE THINK

THROUGH GEOSPATIAL APPROACH

TRANSFORMATION IN INDONESIA, State Law Nr.4 Year 2011: Geospatial Information



BAKOSURTANAL (National Coordinating Agency for Surveying and Mapping)

- National Policy Assessment for Surveying and Mapping;
- Founder for Surveying and Mapping;
- Founder for National Geospatial Data Infrastructure.

BADAN INFORMASI GEOSPASIAL (BIG)

- Organizer for Surveying Mapping and Basic Geospatial Information (IGD) development, Chapter IV Article 22;
- Founder for Surveying Mapping and Thematic Geospatial Information (IGT) development, Chapter VII, Article 57;
- Organizer for Geospatial Information Infrastructure (IIG), Chapter V, Article 53.

**Develop Geospatial Information that is accurate, reliable, and accountable;
Easy, fast, and free accessible responsibly; Utilized responsibly.**

THE ROLE OF GEOSPATIAL INFORMATION FOR SUPPORTING DISSATER AND EVACUATION MANAGEMENT

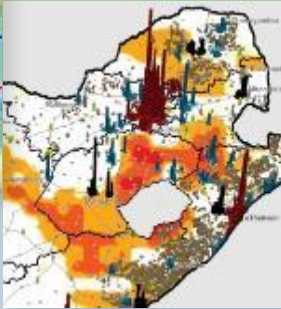
Simulation for Flood Disaster Management



Flood Risk Map



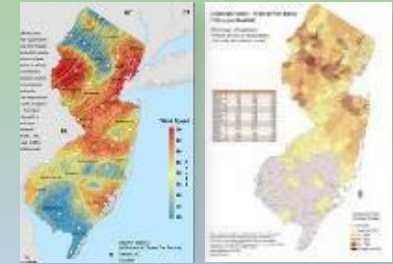
Effects of Flooding



Distribution of Officers in the area of disaster



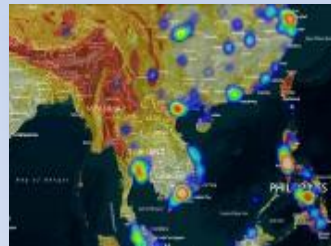
El Nino and La Nina Floods Drought



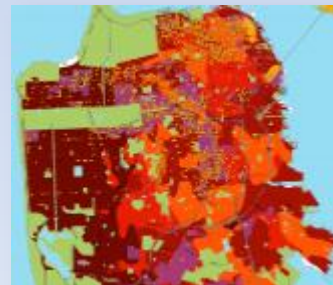
Plantations on Forest Fire Mapping



Earthquake Risk



Police Facilities Distribution on Earthquake Prone Regions



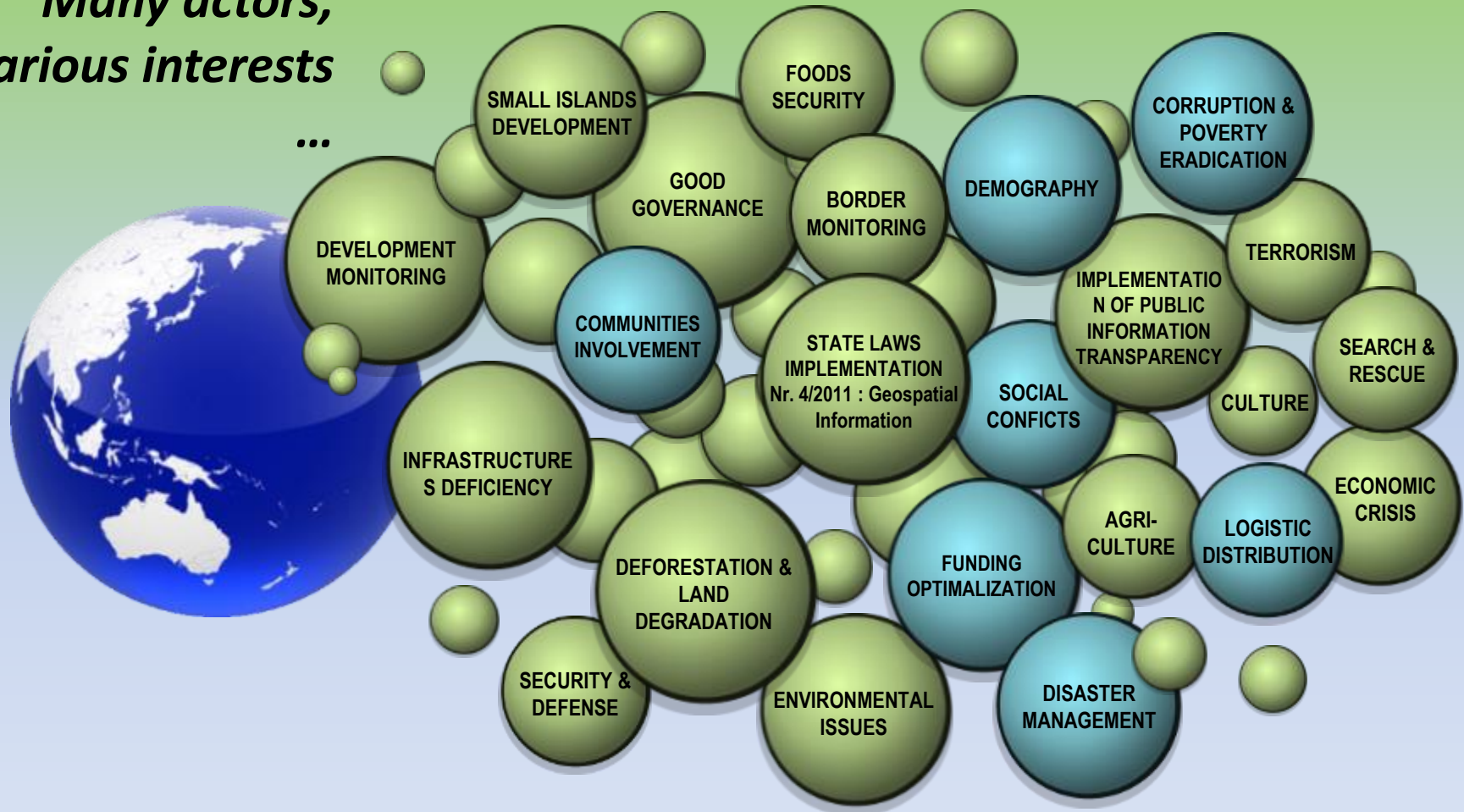
Rob Disaster Study on unemployment



VARIOUS PROBLEMS RELATED TO GEOSPATIAL DATA

**Multi-layers,
Many actors,
Various interests**

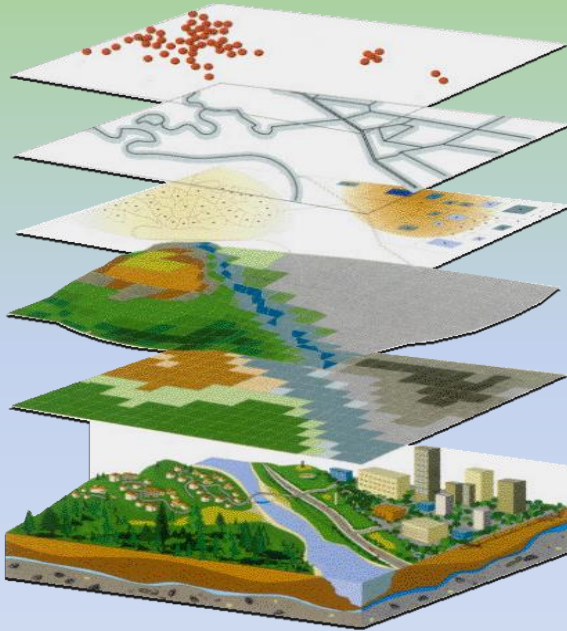
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- ❖ *Colaboration and Synergy* between each Stake Holder constitutes an absolute prerequisite;
- ❖ Opportunity for the Government, Private, Academic, and Public Sectors activities to perform the constellation of *Partnership*.

ONE MAP POLICY

*Statement of the President
of the Republic of Indonesia*



Geospatial data are needed by all government institutions and communities to improve quality of decisions making in all aspects of national developments.

“...Saya ingin hanya satu peta sebagai satu satunya referensi nasional...”
(Rapat Kabinet 23 Desember 2010)

“ONE MAP POLICY”

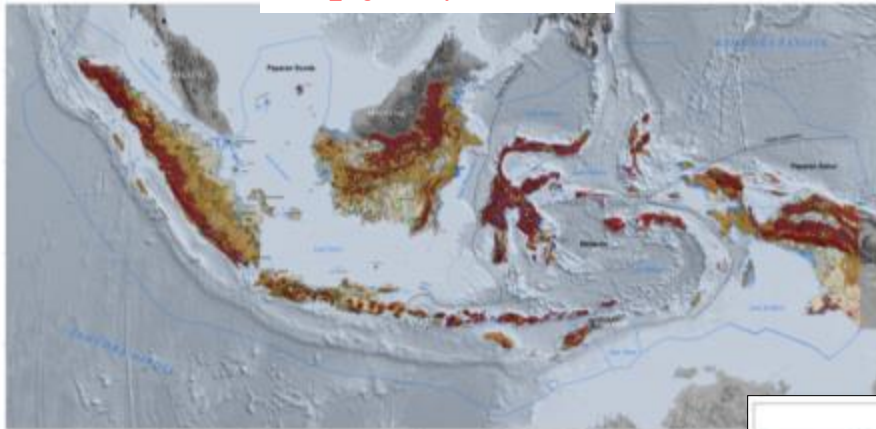
ONE

- Geo.REFERENCE
- Geo.STANDARD
- Geo.DATABASE
- Geo.PORTAL

ONE NATION, ONE GATE, ONE MAP POLICY

Environment Protection and Management

Eco_region Map of Indonesia



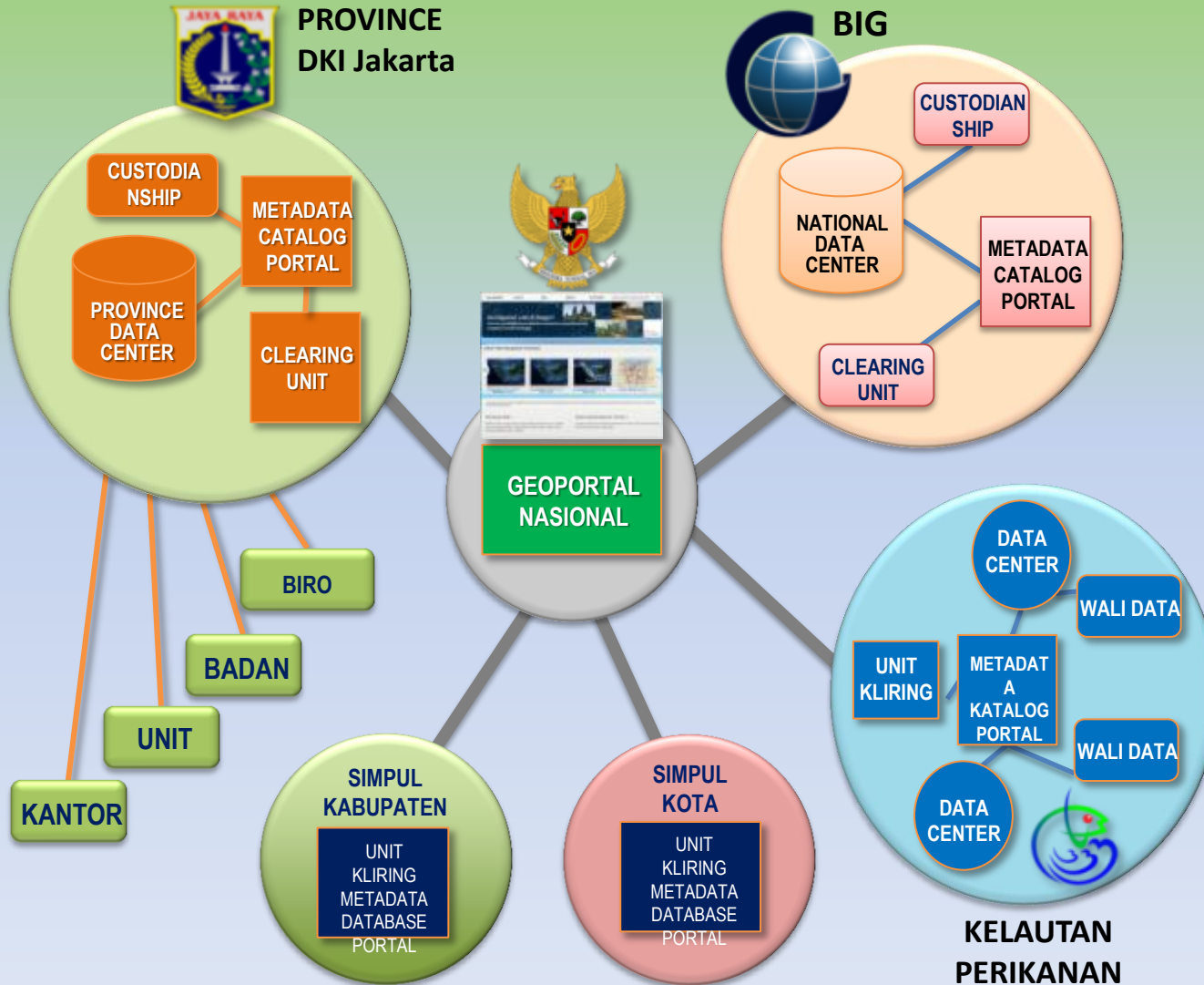
Moratorium of Forest concession Permit



UU No. 4 tahun 2011, Geospasial Information (One Map Policy), UU No. 32 tahun 2009, Environmental Protection and Management (Eco-region Map), President Decree No.10 tahun 2011, Moratorium Forest Concession Permit (Firmer Forest and Peat Land Map)

STRATEGY : THE DEVELOPMENT OF GEOSPATIAL INFORMATION INFRASTRUCTURE NETWORK NODES

Target : *57 Ministries, 34 Provinces, and 508 Regencies/Cities*



PerPres Nr. 85 / 2007 saat ini sudah direvisi Nr. 27 / 2014

RPerPres JARINGAN INFORMASI GEOSPASIAL NASIONAL

Pasal 4 ayat (1)

Jaringan IGN terdiri atas:

- a. Jaringan IG pusat; dan
- b. **Jaringan IG daerah.**

Pasal 4 ayat (2)

Jaringan IG daerah

sebagaimana dimaksud pada ayat (1) huruf b meliputi **Pemerintah Daerah.**

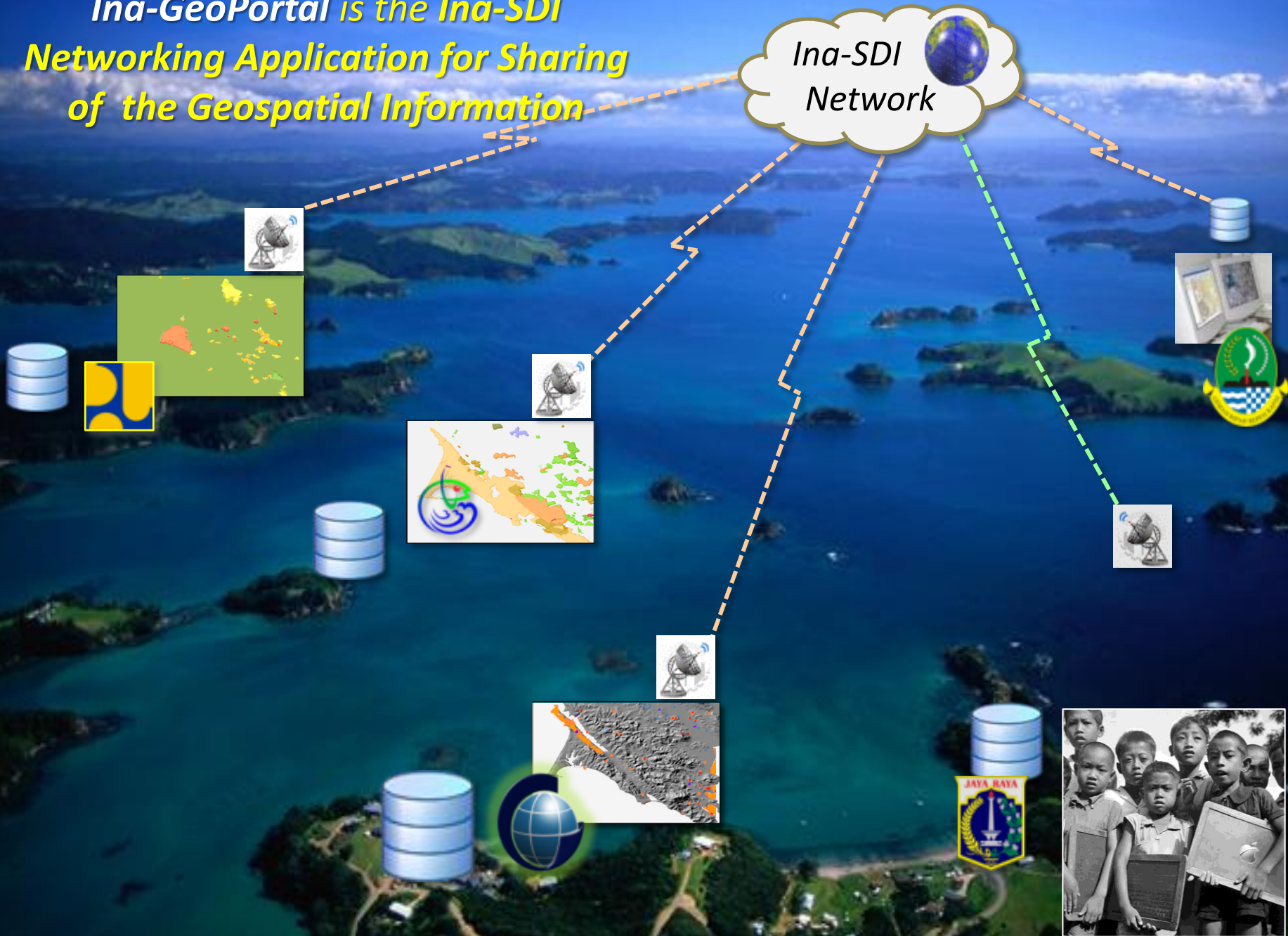
Pasal 4 ayat (4)

Instansi Pemerintah, Tentara Nasional Indonesia, dan Kepolisian Negara Republik Indonesia sebagaimana dimaksud pada ayat (2) dan **Pemerintah Daerah** sebagaimana dimaksud pada ayat (3) bertugas sebagai **Simpul Jaringan.**

Pasal 5 ayat (3)

Dalam hal Simpul Jaringan di **Pemerintah Daerah**, unit kerja sebagaimana dimaksud pada ayat (2) merupakan **satuan kerja perangkat daerah yang ditetapkan Gubernur atau Bupati/Walikota.**

*Ina-GeoPortal is the Ina-SDI
Networking Application for Sharing
of the Geospatial Information*



ONE GEO.PORTAL :

Ina-GeoPortal → <http://tanahair.indonesia.go.id> or <http://maps.ina-sdi.or.id>

Primary Function of Ina-Geoportal:

- ❖ Search
- ❖ Integrate
- ❖ Analyze
- ❖ Sharing
- ❖ Create Map
- ❖ Publish

BASISDATA GEOSPASIAL PRODUKSI & PUBLIKASI

Produksi

Publikasi

8,315 Visitors
27 Aug 2012 - 28 Nov 2012

Thank you



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