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Strengthening Geospatial Information Management in Indonesia

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Geospatial Information for National Sustainable Development

NSDI: NATIONAL SPATIAL DATA INFRASTRUCTURE

National

Geospatial

Information

Sharing and

Network

- Presidential Decree
- No. 27/ 2014 (NSDI)

GEOSPATIAL DATA PRODUCTIONS

Geospatial Information Law No. 4 / 2011

ONE MAP POLICY Coordination & Supervision

Presidential Regulation No. 9 / 2016
Acceleration of OMP Implementation at 1:50.000 Scale Map

GEOSPATIAL INFORMATION UTILIZATION & MODELING

National Planning Law

POLICY

GOVERNANCE

HUMAN RESOURCES

DATA & STANDARD

TECHNOLOGY

STATISTIC DATA
(Social and Economy)



THEMATIC GeoSpectial Costs

Outs

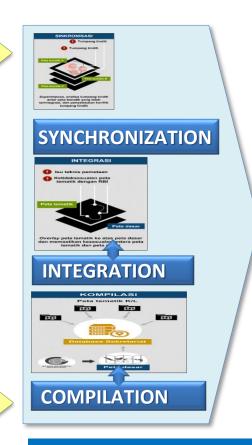
Occupation

October Control

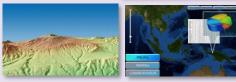
Networks

Networks

GEOSPATIAL DATA
AND INFORMATION







By integrating multi sectors, product of one map will be used for developing or for updating district spatial planning which contributes to sustainable development

National Sustainable Development Program

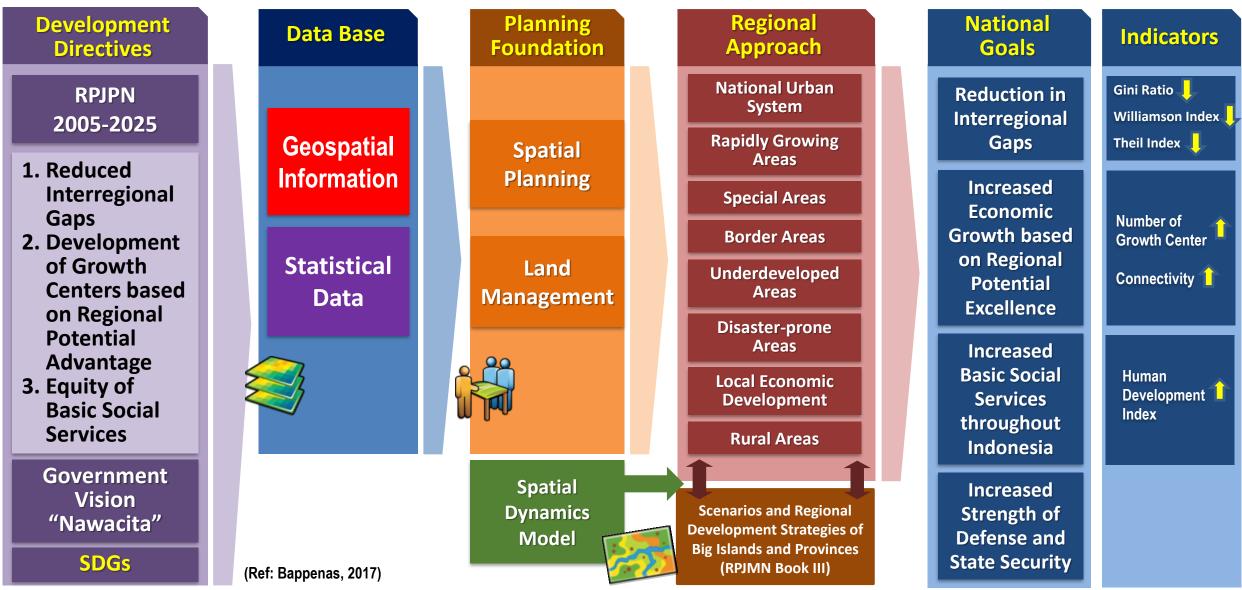


Harmony With Nature: Social-Economic Environment

DATA AND INFORMATION SHARING



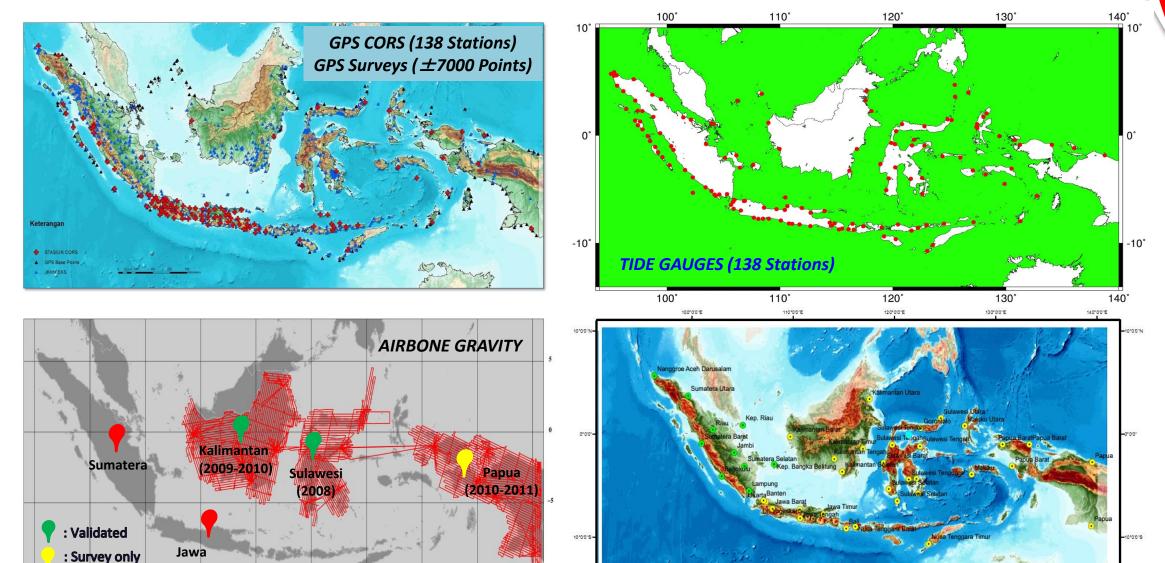
The Roles of Geospatial Information and Statistical Data for National Development Planning





Geodetic Reference Frames of Indonesia





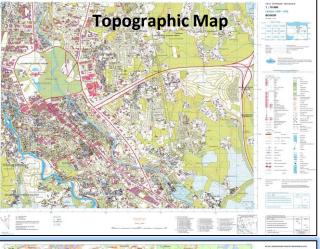
: No survey

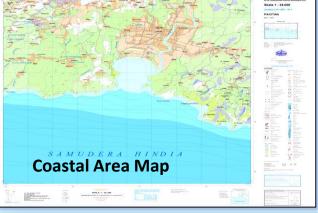
GRAVITY (34 Main Stations)

Basemaps of Indonesia

Status of Topographic Base Map of Indonesia (2016)

Scale	National Coverage	Available (NLP)	Available (%)	Unavailable (NLP)	Unavailable (%)
1:1.000	-	very limited	very limited	-	-
1:5.000	379012	1579	0.42%	377433	99.58%
1:10.000	91547	1074	1.17%	90473	98.83%
1:25.000	13020	4781	36.72%	8239	63.28%
1:50.000	3899	3506	89.92%	393	10.08%
1:100.000	1259	26	2.07%	1233	97.93%
1:250.000	309	309	100.00%	0	0.00%
1:500.000	103	103	100.00%	0	0.00%
1:1.000.000	37	37	100.00%	0	0.00%



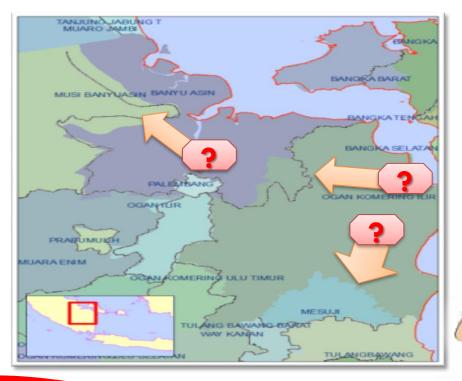




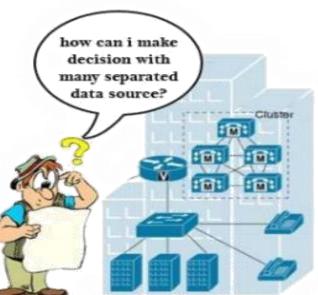


Thematic Maps of Indonesia

Many Layers and Many Actors



- More than one institutions produced and published the same thematic map without coordination;
- Several maps were not created by authorized institutions;
- Different geospatial information was published such as the number of islands and the size of forest areas;
- Overlaps of land uses permits (licenses);
- Base Geospatial Information was rarely used as the basis for creating maps;
- ❖ Satellite imageries for the same area were purchased by more than one institutions.



THE PROBLEMS OF THEMATIC MAPS:

- Non-Uniform Georeference.
- Limited Data Availability.
- Out of date and Inaccurate.
- Difficult Accessibility.
- No Optimum Utilization, etc.

Low quality decision making process and consequently degrade the achievement of the national development goals



Thematic Maps of Indonesia

One Map Policy

- One Georeference
- One Standard
- One Database
- One Geoportal

Activity of OMP

- Compilation
- Integration
- Synchronization
- Data Sharing

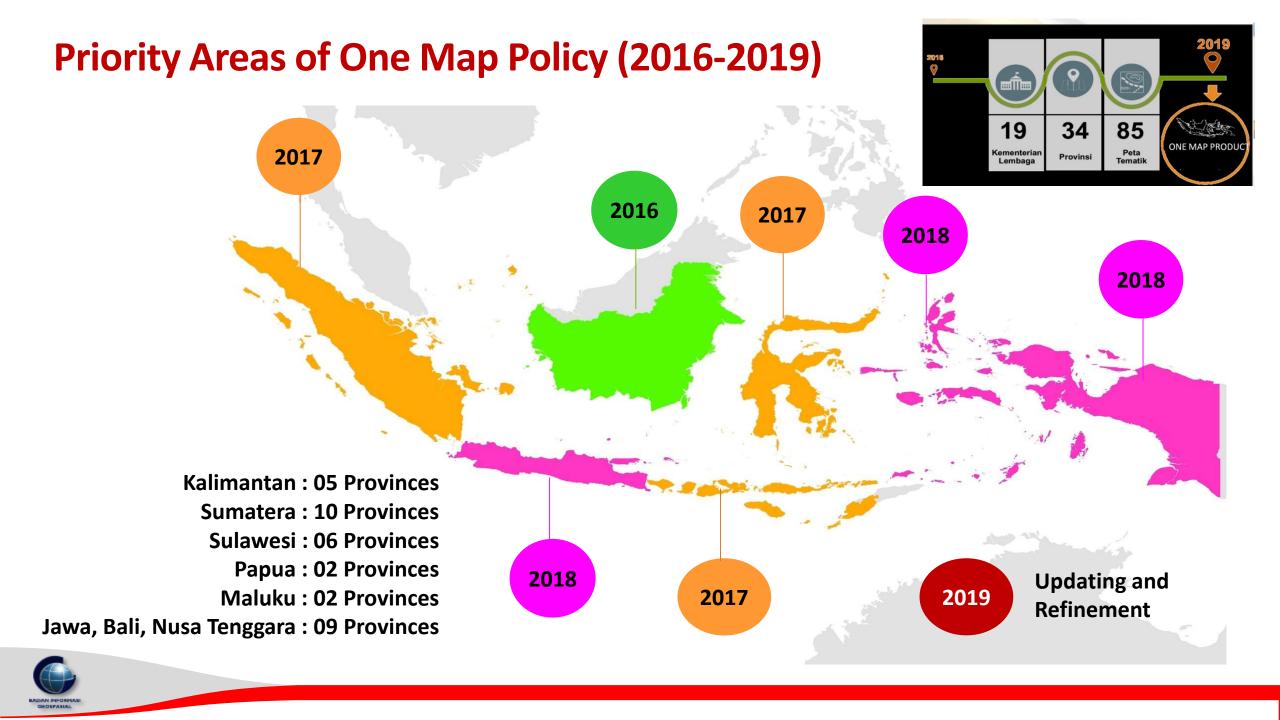


Acceleration of One Map Policy (Presidential Regulation 9/2016)

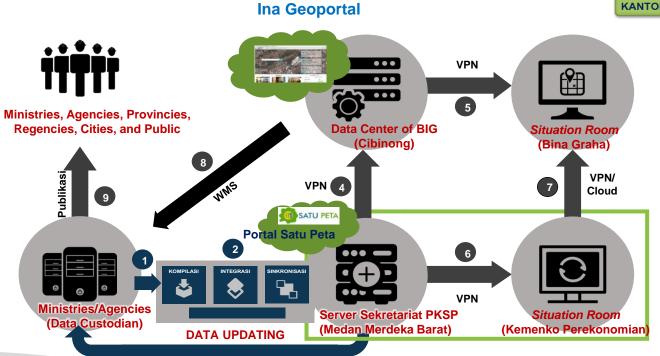
Value

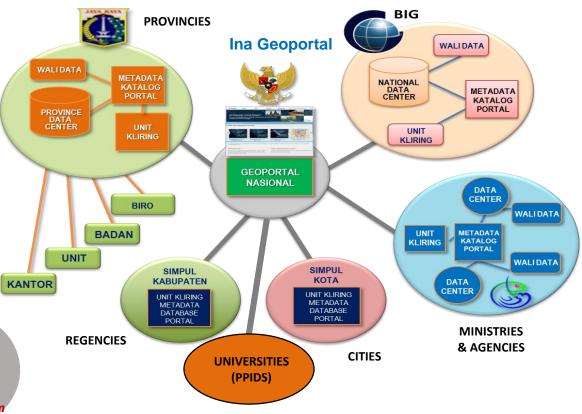
- Unified National Geospatial Data and Information
- Reliable and Accountable Spatial Planning
- Reliable and Accountable Development Policy





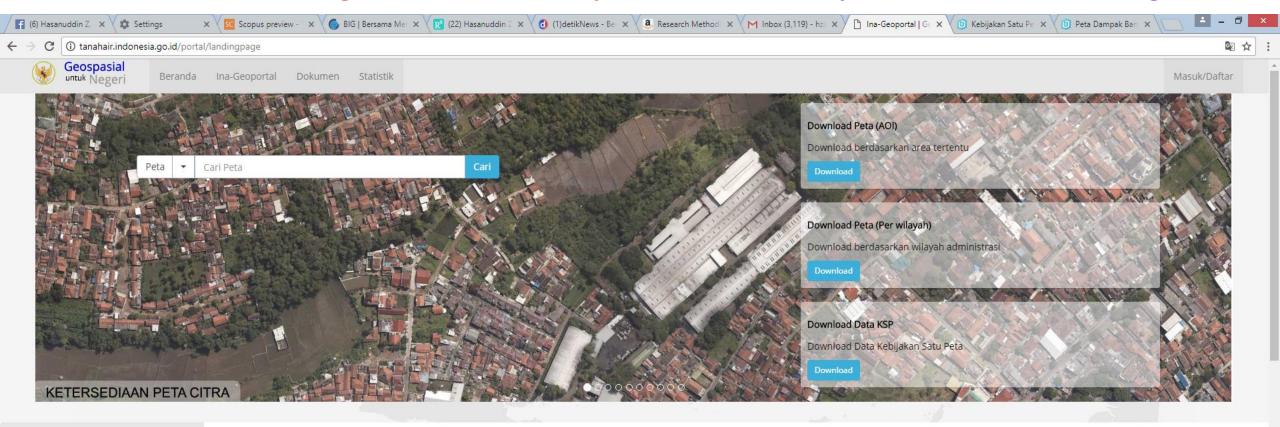
NATIONAL GEOSPATIAL INFORMATION NETWORK (NGIN)





Status of NGIN Nodes					
	TARGET	CONNECTED			
Ministries/Agencies	57	28			
Provinces	34	21			
Regencies/Cities	514	20			
Universities	34	18			

Ina-GeoPortal: Jaringan Informasi Geospasial Nasional http://tanahair.indonesia.go.id



Ina-Geoportal - Galeri WebApps

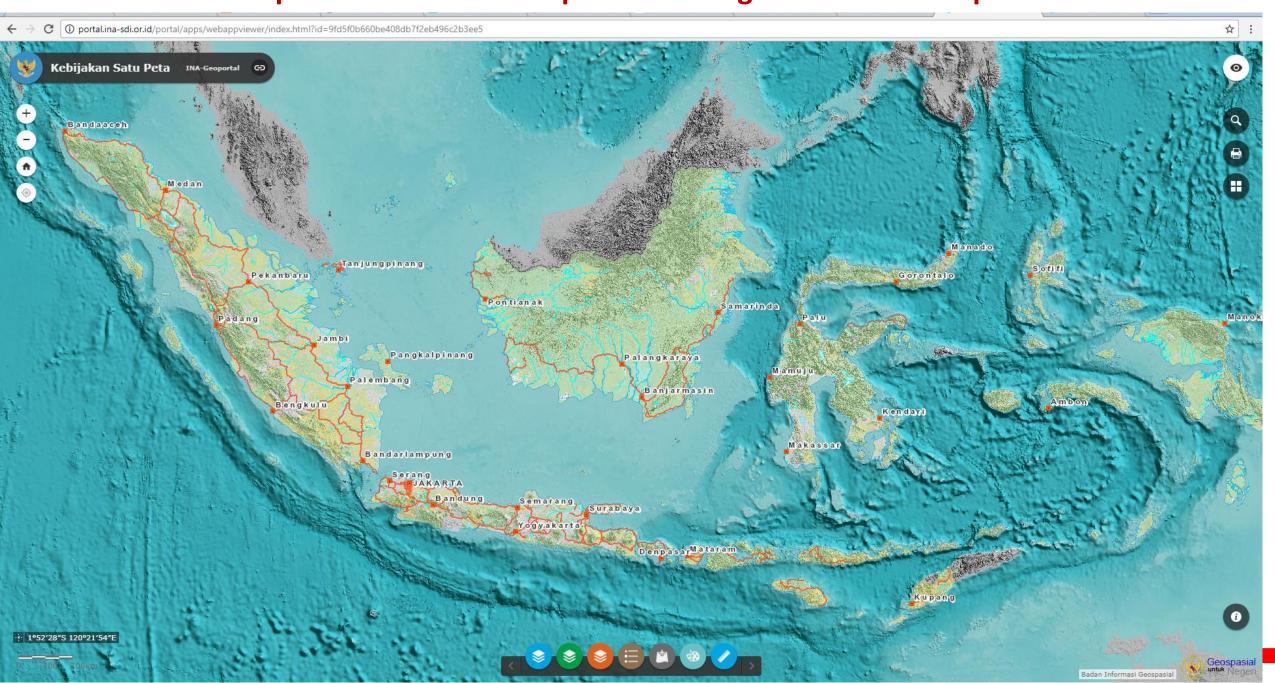


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Peta Rupa Bumi Indonesia dapat di unduh gratis dari InaGeoportal BIG



Data IGT Terintegrasi INDONESIA yang ada di Ina-Geoportal BIG (September 2017)



Thank you very much

