



**BADAN INFORMASI
GEOSPASIAL**

**20
22**

**COUNTRY
REPORT**

**GEOSPATIAL INFORMATION
MANAGEMENT OF
INDONESIA**



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GEOSPASIAL

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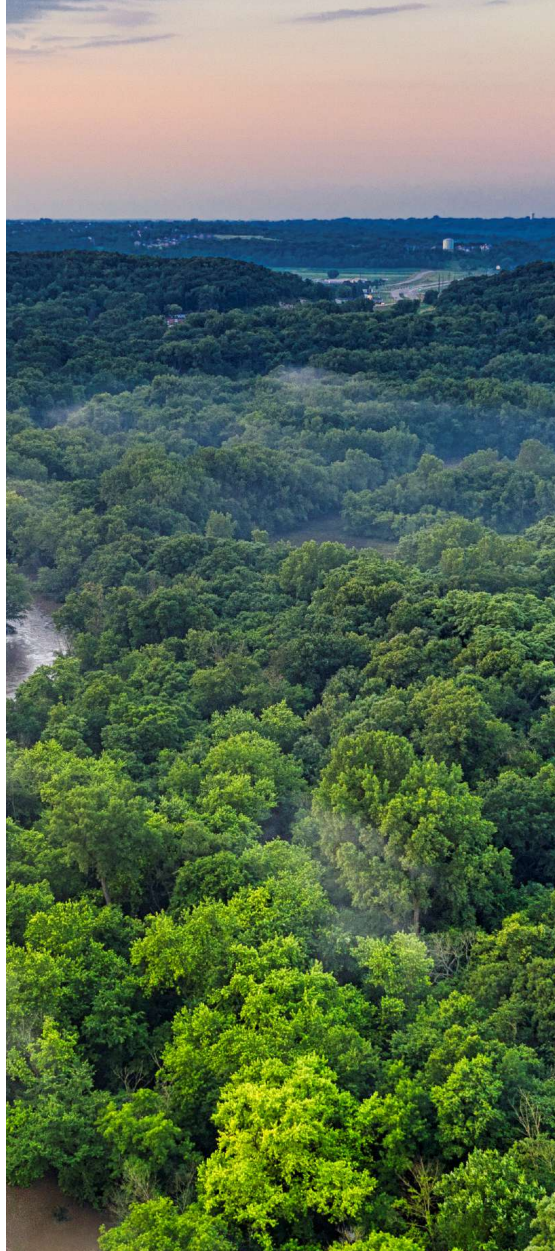
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SUMMARY

Geospatial Information Management in Indonesia following Law on Geospasial Information No 4/2011. After being a guide for 9 years, in 2020, law on Job Creation No 11/2020 was issued.

Overall, there are 5 substances that have changed in the structure of Law on Geospatial Information. It all boils down to accelerating the provision of large scale base maps

GEOSPATIAL INFORMATION MANAGEMENT AFTER LAW ON JOB CREATION NO 11/2020



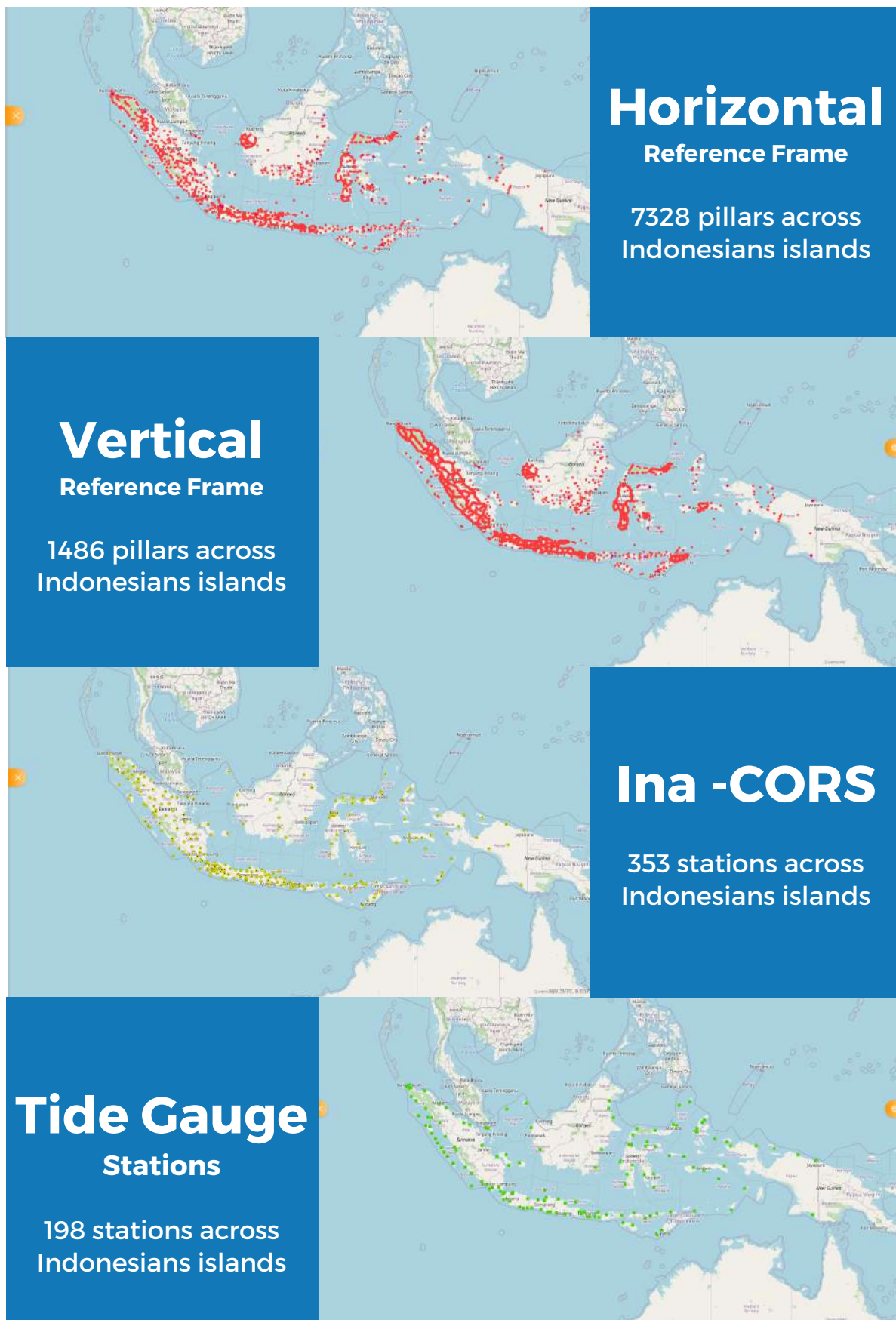
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- Regulation regarding the administration of Geospatial information
- Arrangements related to the integration of basic maps of land and sea areas
- Simplification of base map scale
- Arrangements regarding Geospatial Information Professionals
- Expanding possibilities for funding

GEOSPATIAL REFERENCE FRAME



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Law on Geospatial Information 4/2011 and Government Ordinance : 9/2014



TOPOGRAPHIC MAP (RBI)

- Cover land area only
- coastline using Mean Sea Level (MSL)
- MSL as vertical reference
- Map Scale : 1:1.000.000 to 1:1.000

COASTAL AREA MAP (LPI)

- cover coastal area (60%-70% land area and 30%-40% marine area)
- coastline using lowest tide level
- MSL as vertical reference on land area and lowest tide level as vertical reference on marine area
- Map scale : 1:250.000 to 1:10.000



MARINE AREA MAP (LLN)

- cover most of the marine area
- coastline using lowest tide level
- Lowest tide level as vertical reference
- Map Scale : 1:500.000 to 1:50.000



Law on Job Creation 11/2020 and Government Ordinance : 45/2021

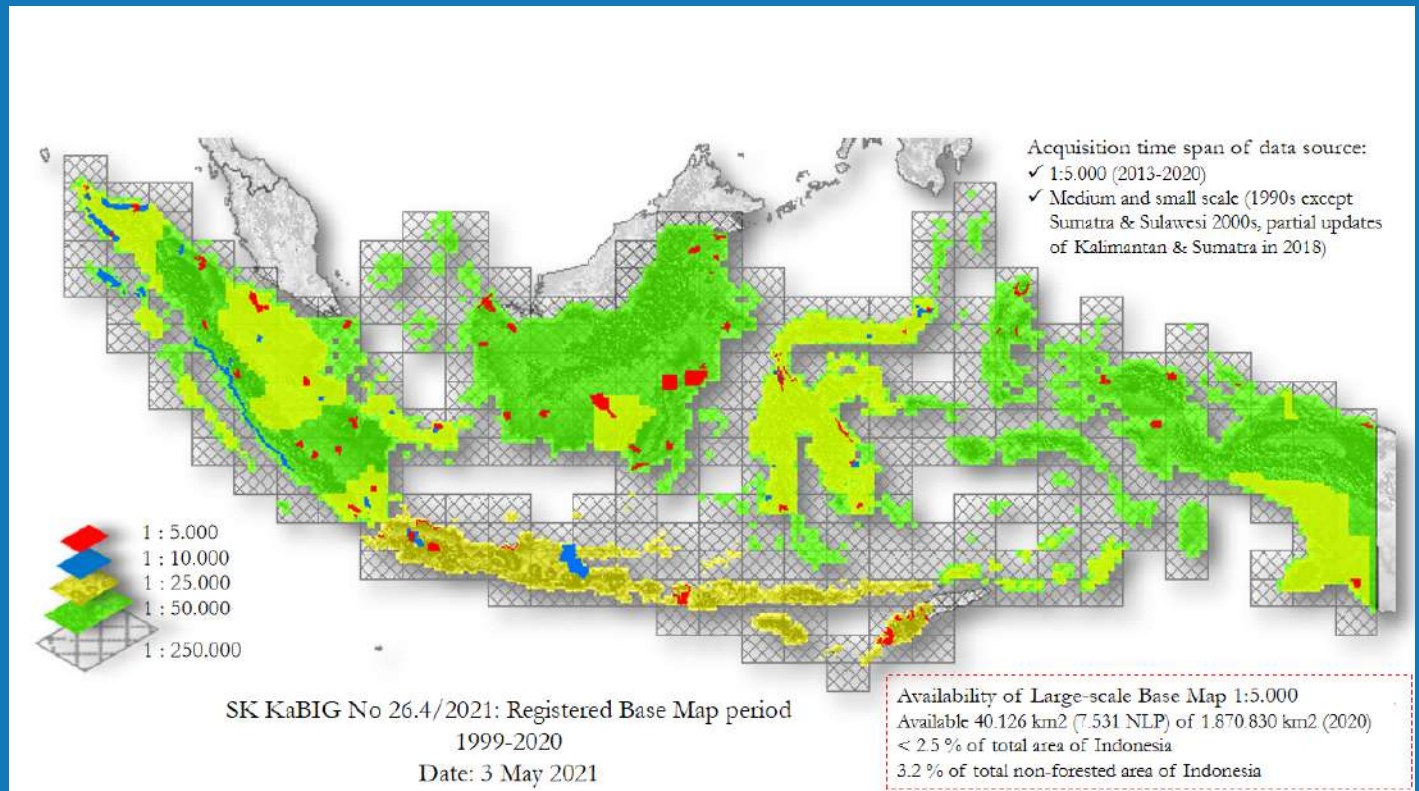
Topographic Map (RBI)

- cover land, coastal and marine area
- coastline using Mean Sea Level (MSL) integrated with lowest tide level
- Geoid as vertical reference
- Map Scale : 1:1.000.000 to 1:1.000



"there is only one type of basemap which is RBI (Rupabumi Indonesia)/Topographic Map . RBI integrates all element of the base map, both on land, coastal and marine

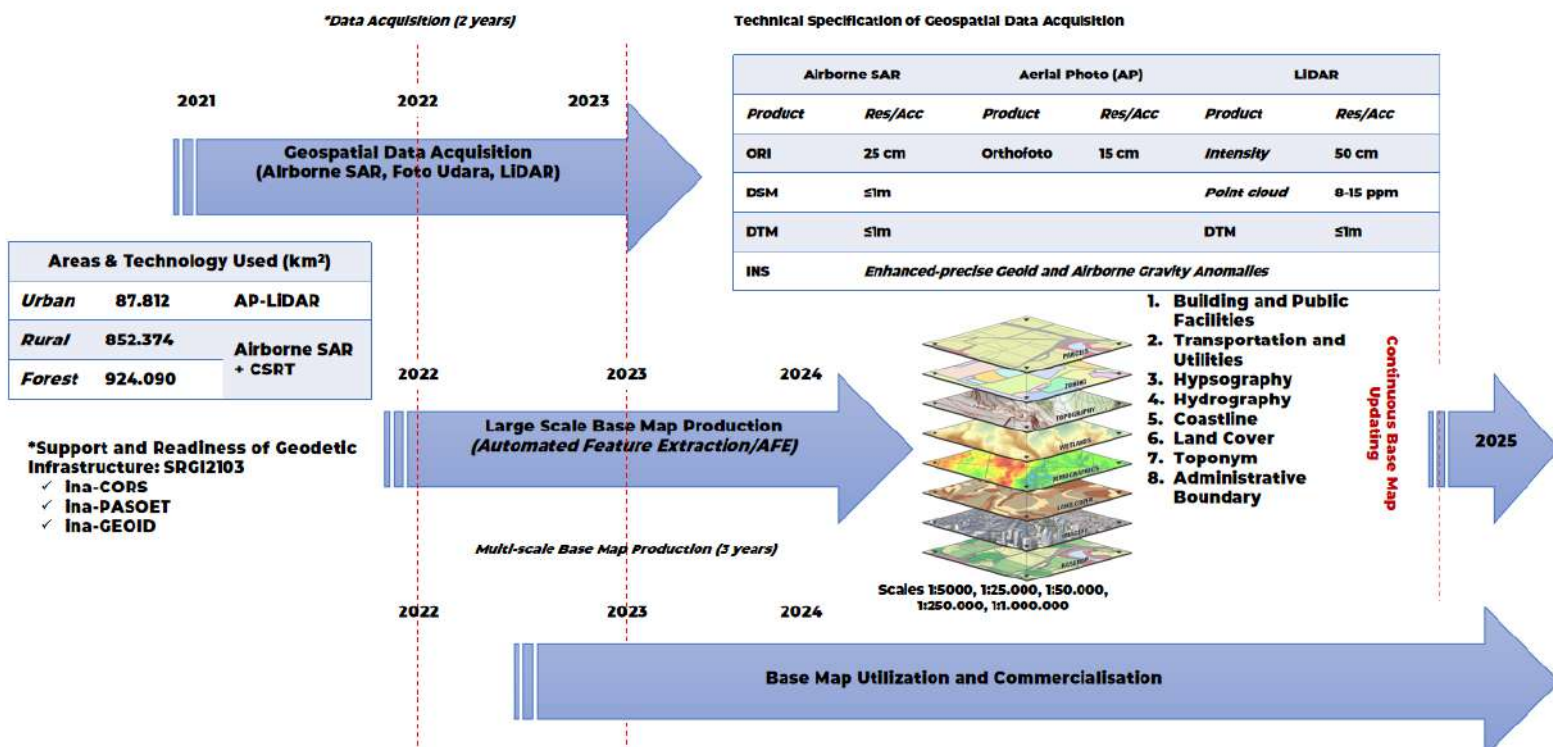
BASEMAPS STATUS



BASEMAPS STRATEGY



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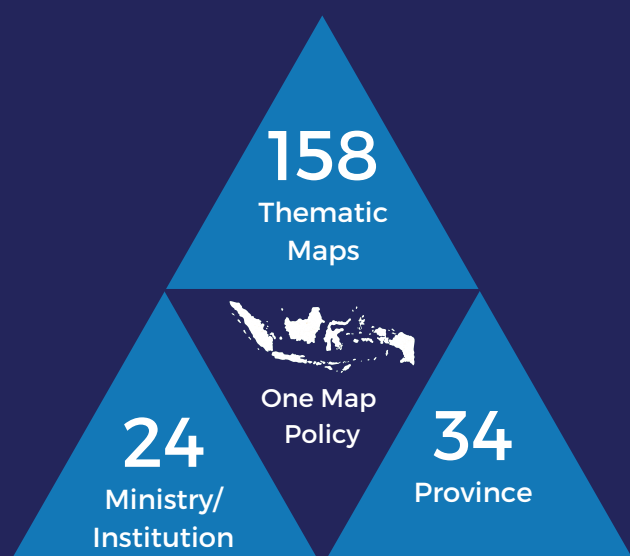
ONE MAP & ONE DATA INDONESIA



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ONE MAP status

2016 - 2024 One Map Policy Roadmap



Presidential Decree No 9/2016 about One Map Policy Acceleration on 1:50.000 map scale

Presidential Decree No 23/2021 about revision on Presidential decree No 9/2016

One Map Objective



1

Reference
Standard
Database
Geoportal

One Map Stages

Compilation Integration Synchronization Share

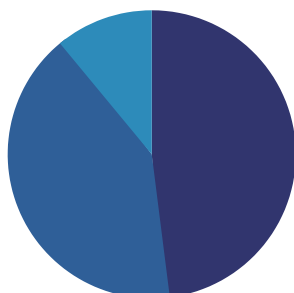
One Map Benefit

As reference for quality improvement:

- Spatial planning
- Natural resources management
- Sustainable development planning
- Dissaster risk reduction management.
- Policy making and decision making.
- Digital economy development.

ONE MAP POLICY INTEGRATION ACHIEVEMENT

spatial data has not been compiled
11%



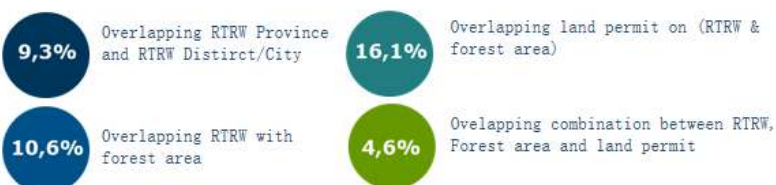
Integrated
48%

Verification Stages
41%

Indicative map of overlapping thematic maps (PITTI)



Overlapping problem on National Landuse:

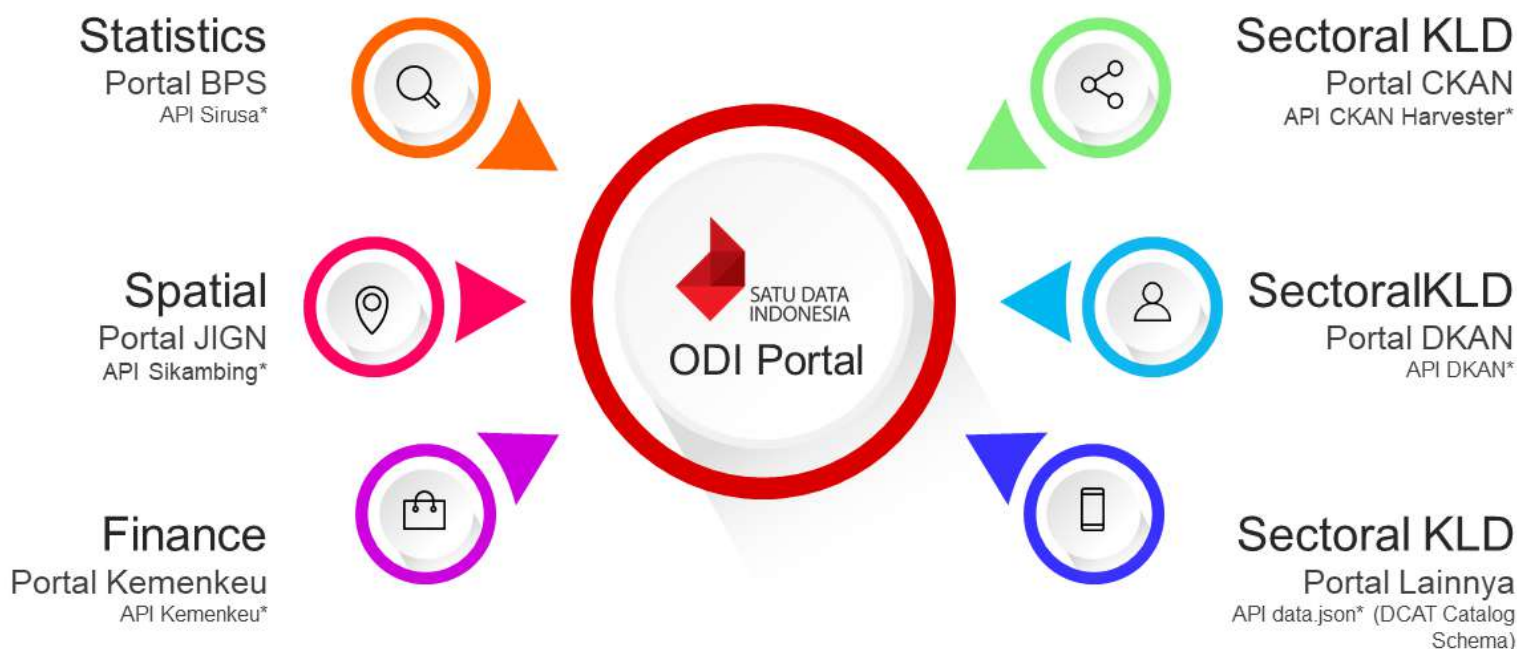


ONE MAP & ONE DATA INDONESIA

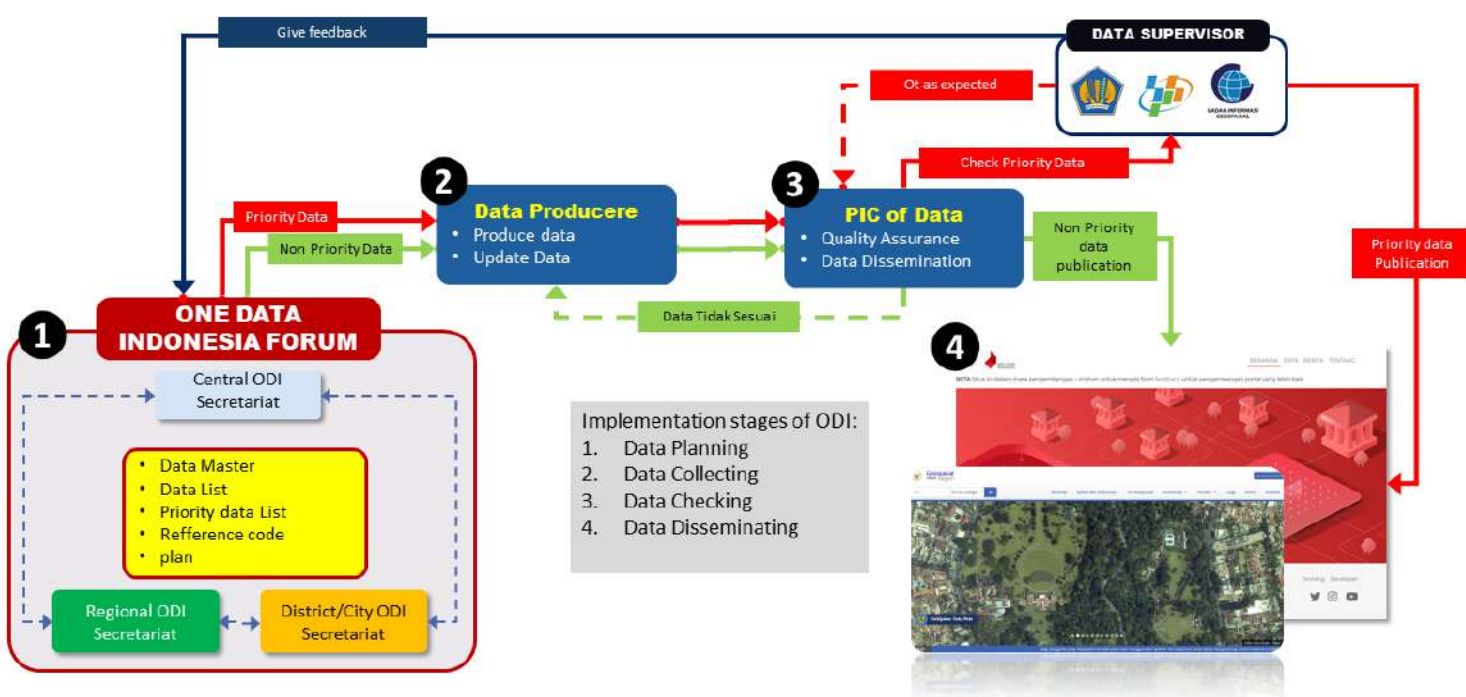


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ONE DATA Indonesia



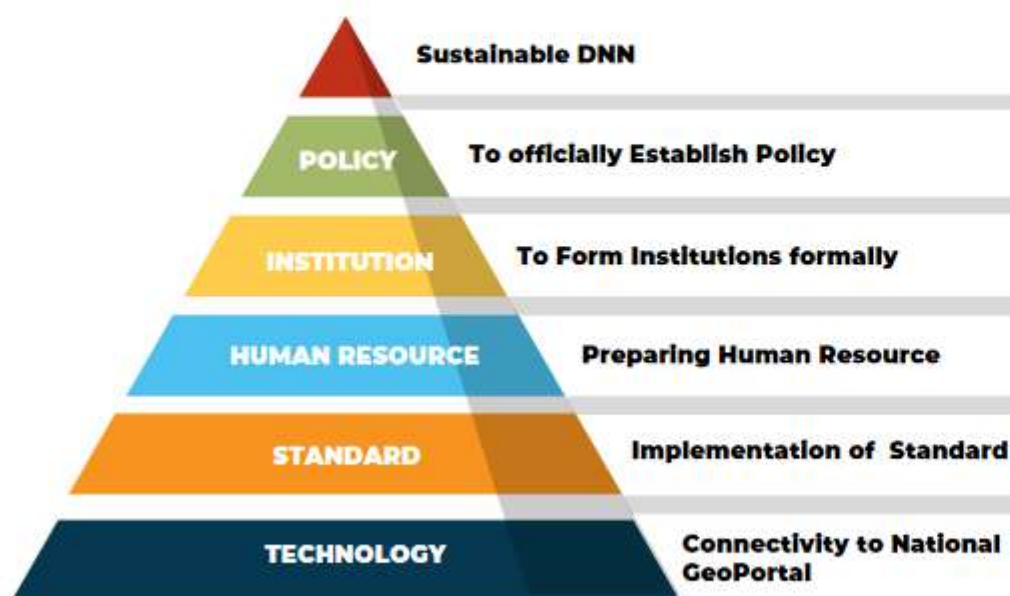
Implementation Flowchart





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NSDI DEVELOPMENT AND STATUS

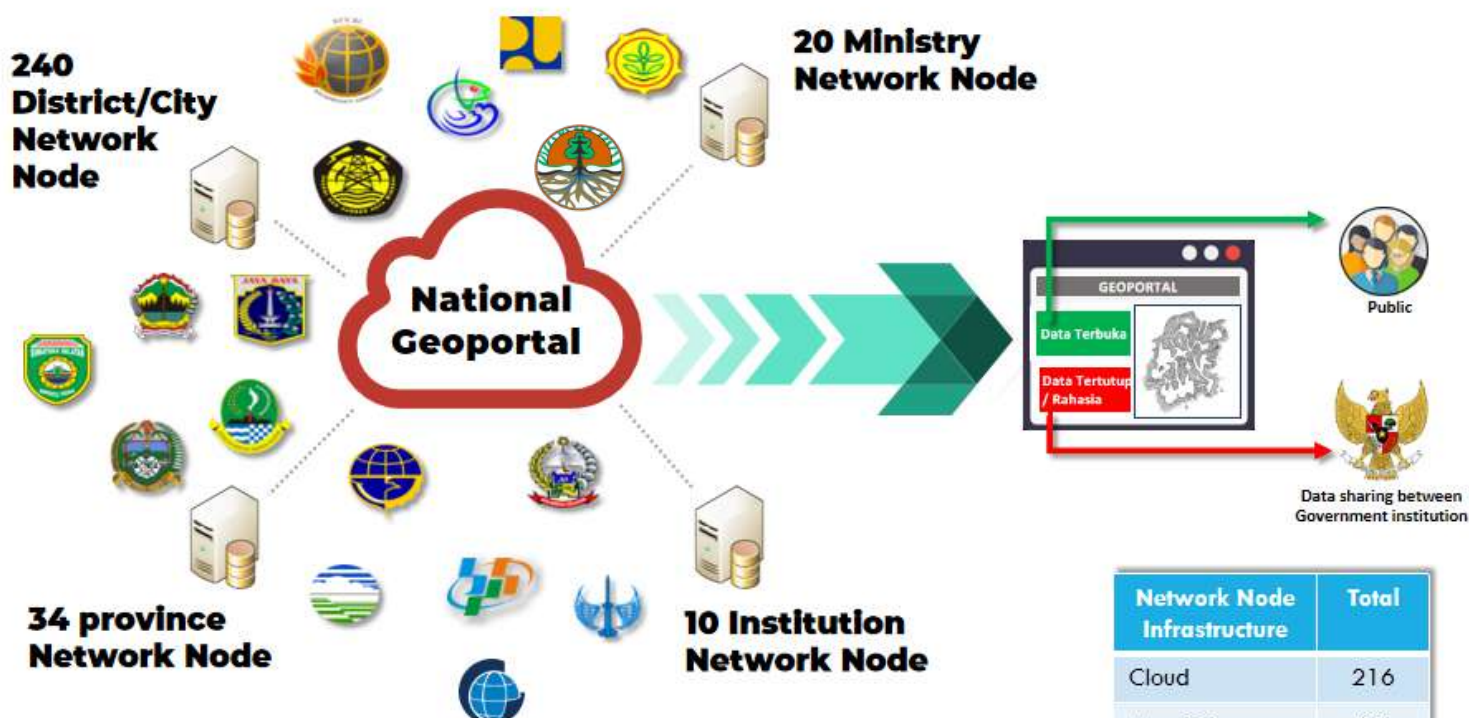


Data Producer

Technical unit that
collecting, processing,
saving and utilization
of GD and GI

PIC of Data

Technical unit that
saving, securing dan
disseminating of GD
and IG



Network Node Infrastructure	Total
Cloud	216
Mandiri	88
Total	304

HUMAN RESOURCES IN GEOSPATIAL INFORMATION



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SKKNI

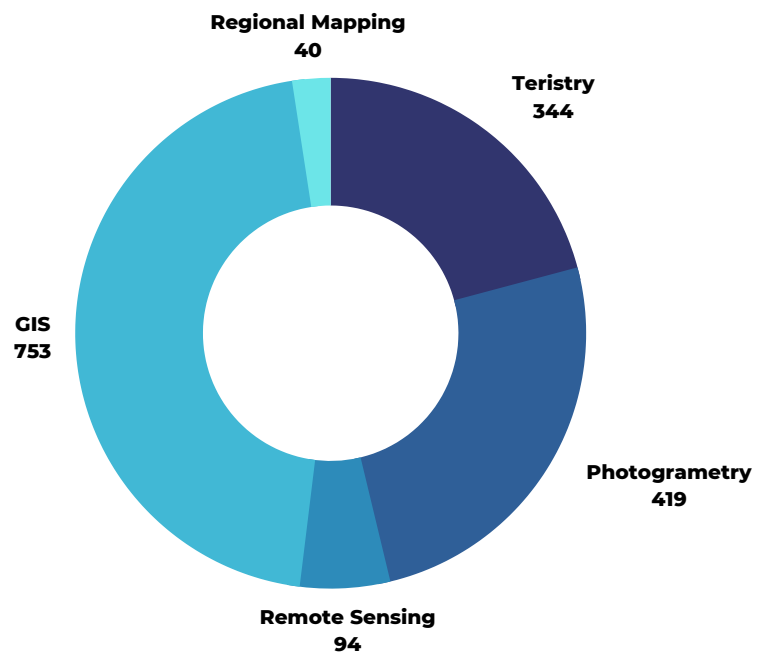
The formulation of work ability which includes aspects of knowledge, skills and/or expertise, as well as work attitudes that are relevant to the implementation of duties and job requirements that are determined in accordance with the provisions of the legislation.

KKNI

A framework for ranking competency qualifications that can juxtapose, equalize, and integrate the fields of education and the field of job training and work experience in order to provide recognition of work competencies in accordance with the work structure in various sectors.

Certified Expert

February 2021 status



PORTAL SDM IG

PORTAL S

Portal Sistem Manajemen dan Pengemb

<https://porsig.big.go.id/>



Registrasi Sertifikat
Bidang IG



e-Learning SKKNI
dan KKNI IG





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FUTURE

GEOSPATIAL INFORMATION MANAGEMENT OF INDONESIA

2020 - 2022 QUICKWIN

- Geospatial Information human resources capacity building
- legal and technical strengthening
- acceleration of geospatial information for national priorities

2024 - 2030 INTEGRATING GEOSPATIAL INFORMATION AND STATISTICS

- optimizing data sharing for the fulfillment of SDGs and supporting K/L/P activities
- strengthening the integration of network nodes at the central government, regional and private levels



2020 - 2024 LARGE-SCALE BASEMAP COMPLETION

- optimizing the role of data producer
- optimizing the use of geospatial information
- large-scale basemap completion and Thematic Geospatial Information fulfillment for National Midterm Development plan

2030-2045 IMPLEMENTING THEMATIC GEOSPATIAL INFORMATION FOR DATA SHARING

- one map policy operates for the Indonesian Golden Era
- Maintenance, strengthening of sustainable geospatial information

Integrated Geospatial Information Framework(IGIF) will be one of Indonesia's references in preparing the National Midterm Development Plan 2024 - 2029 and the National Long term Development Plan 2024 -2049