UPDATES ON DEVELOPMENT OF NATIONWIDE GEOSPATIAL DATA MANAGEMENT

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CONTENT:

- 1. LEGAL AND POLICY ASPECT
- 2. GEOSPATIAL INFORMATION FOR **SUSTAINABLE DEVELOPMENT**
- 3. NATIONAL GEOSPATIAL **REFERENCE SYSTEM AND DATASET**DEVELOPMENT
- 4. STRENGTHENING INA-SDI
- 5. ONE NATION, ONE GATE, ONE MAP POLICY
- 6. COLLABORATION WITH PARTICIPATORY MAPPING COMMUNITIES
- 7. SUMMARY



INSTITUTIONAL TRANSFORMATION

LAWS, REGULATIONS, AND POLICIES IN GEOSPATIAL INFORMATION MANAGEMENT

BAKOSURTANAL

■ THE NATIONAL BODY OF TRUSTEE IN THE FIELD OF SURVEYS, MAPPING AND SDI











GEOSPASIAL

GEOSPATIAL INFORMATION AUTHORITY (BIG)

- THE NATIONAL ORGANIZER IN THE FIELD OF THE TOPOGRAPHIC SURVEY, BASE MAPPING, AND SPATIAL DATA INFRASTRUCTURE
- THE NATIONAL BODY OF TRUSTEE FOR DEVELOPMENT OF THEMATIC MAPPING



INSTITUTIONAL TRANSFORMATION

LAWS NO. 4 YEAR 2011 REGULATES NATION-WIDE GEOSPATIAL INFORMATION MANAGEMENT



- 1. TO ENDORSE SINGLE REFERENCE SYSTEM AND DATASET FOR INTEGRITY;
- 2. TO ENSURE THE AVAILABILITY, ACCESS, AND UTILIZATION WITH ACCOUNTABILITY;
- 3. TO ACHIEVE USEFULNESS THROUGH COOPERATION, COORDINATION, INTEGRATION AND SYNCHRONIZATION; AND
- 4. TO ENCOURAGE THE USE OF GEOSPATIAL INFORMATION IN GOVERNMENT ACTIVITY AND PEOPLE'S DAILY LIFE

LAW 4/2011, DICTUM 22

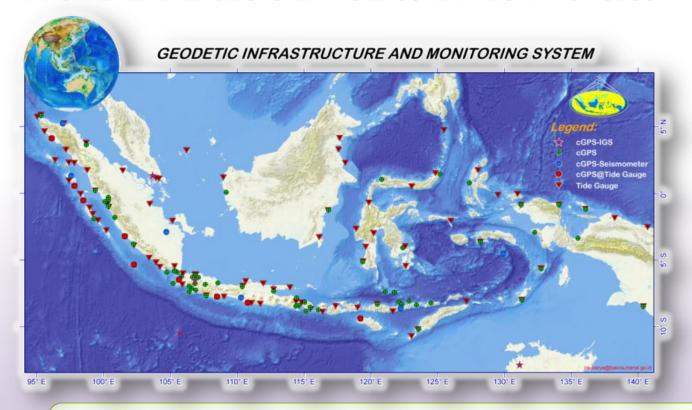


GEOSPATIAL INFORMATION AUTHORITY

BADAN INFORMASI GEOSPASIAL (BIG)



NATIONAL REFERENCE SYSTEM: TO ENSURE INTEGRITY OF GEOSPATIAL INFORMATION

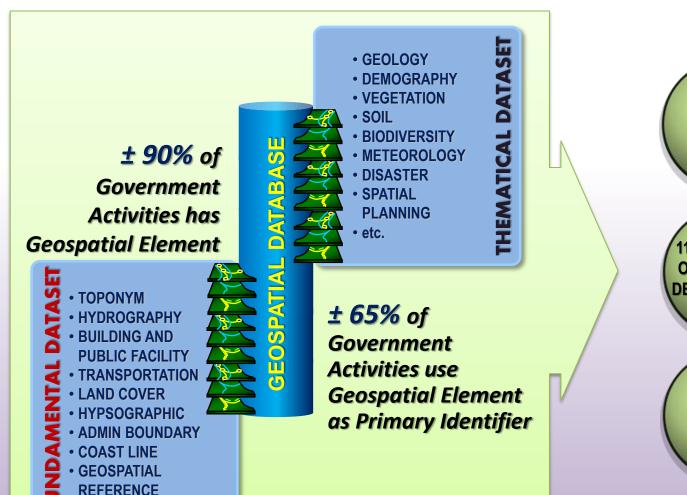


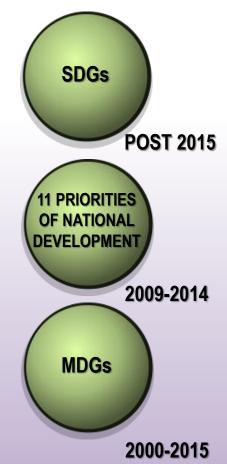
GEODETIC NETWORK:

- APPROXIMATELY SIX THOUSANDS OF GEODETIC FRAMEWORK FOR NATION-WIDE GEOSPATIAL REFERENCE
- ESCALATING INDONESIAN GPS CORS FOR INTEGRATED GEDETIC NETWOORK TO SUPPORTGEODYNAMICS STUDIES AND TSUNAMI EARNI WARNING SYSTEM, AS WELL AS SERVING RTK CORRECTION AND GEODETIC POST PROCESSING.



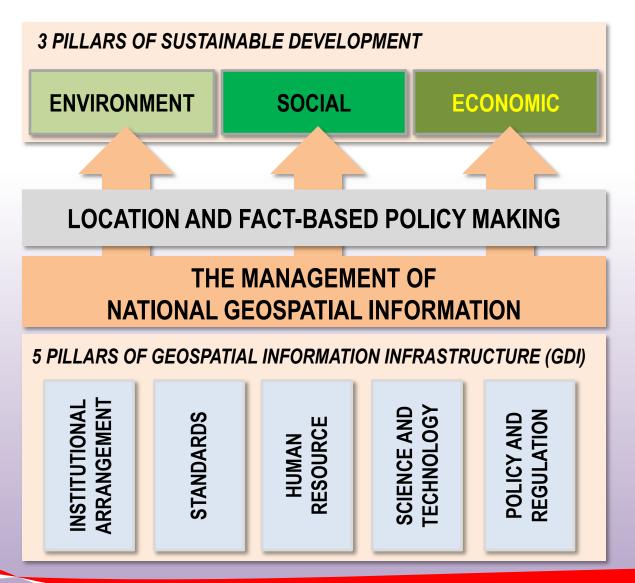
NATIONAL REFERENCE DATASET FOR SUSTAINABLE DEVELOPMENTS







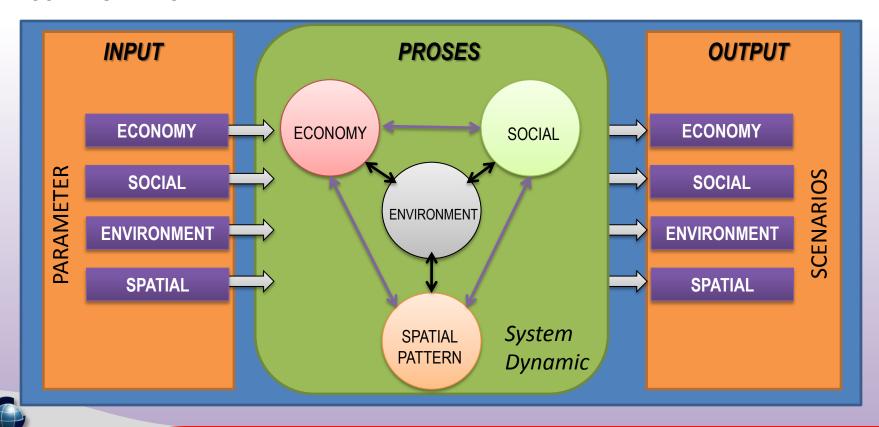
HOW GDI SUPPORT ENVIRONMENT, SOCIAL AND ECONOMIC DEVELOPMENTS



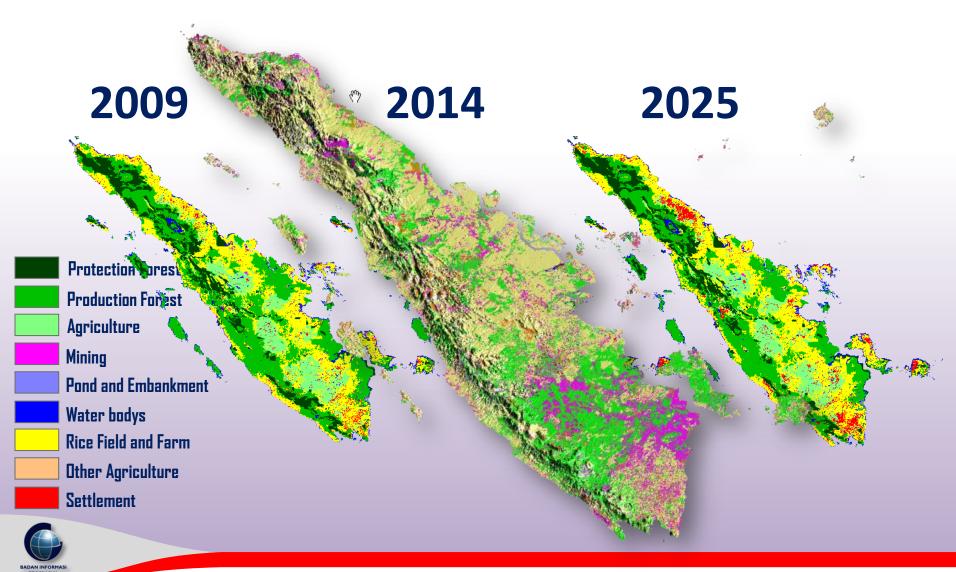


REGIONAL DEVELOPMENT PLANNING: UTILIZATION OF GEOSPATIAL ANALYSES

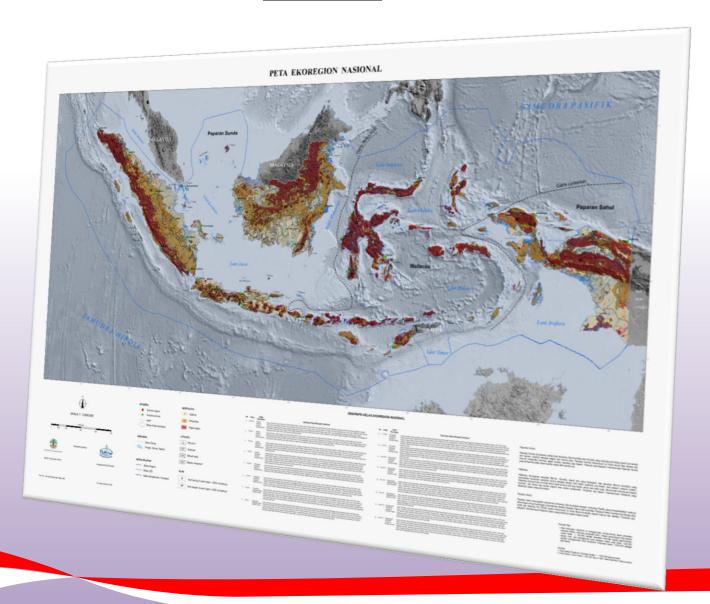
- GEOSPATIAL ANALYSES AND SYSTEM DIYNAMIC MODELLING TO GENERATE REGIONAL DEVELOPMENT PLANNING SCENARIOS;
- MODEL USES SUSTAINABLE DEVELOPMENT PILLARS TO VISUALIZE PREDICTED LAND COVER SETTING.



REGIONAL DEVELOPMENT PLANNING: UTILIZATION OF GEOSPATIAL ANALYSES



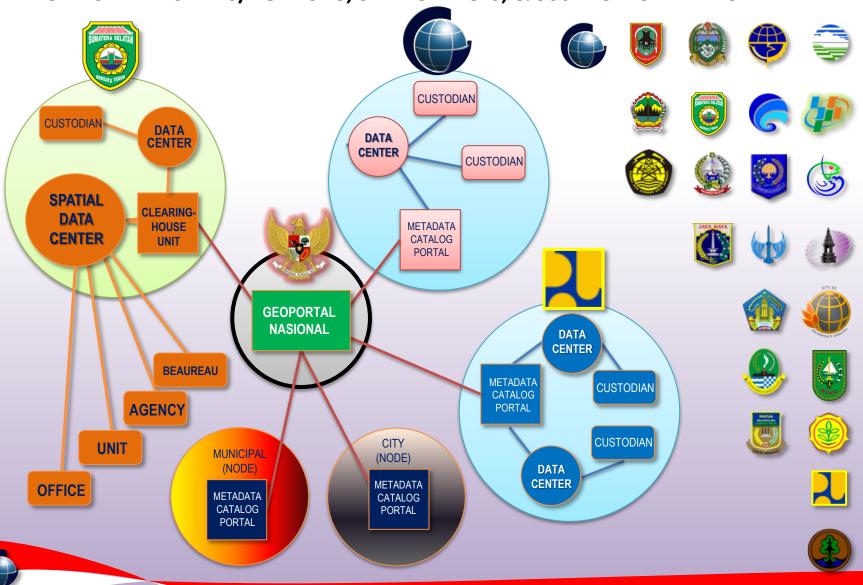
GEOSPATIAL INFORMATION AS A **ECOREGION** BASELINE FOR PRESERVING BIODIVERSITY





STRENGTHENING INA-SDI (Indonesia-geoSpatial Data Infrastructure)

TARGET: 57 MINISTRIES/AGENCIES, 34 PROVINCES, & 500 MUNICIPALITIES



STRENGTHENING INA-SDI (http://tanahair.indonesia.go.id)

NATIONAL GEOPORTAL AS SINGLE GATEWAY TO AUTHORIZED GEOSPATIAL INFORMATION





MAIN FUNCTIONS:

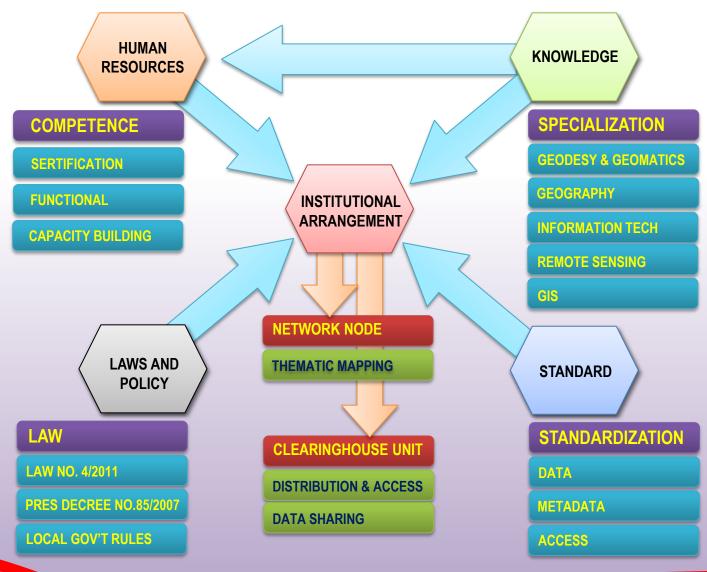
- SEARCH & DISCOVER
- ❖ INTEGRATE
- SHARE DATA AND APPS
- **❖** PRODUCE THE MAPS
- **❖** PUBLISH MAPS
- ❖ ACCESS VIA MOBILE DEVICE



EMPOWER CITIZENS TO BE ABLE TO DEVELOP AND PUBLISH **ACCURATE AND ACOUNTABLE** GEOSPATIAL INFORMATION

STRENGTHENING INA-SDI

MORE THAN JUST NATIONAL GEOPORTAL!





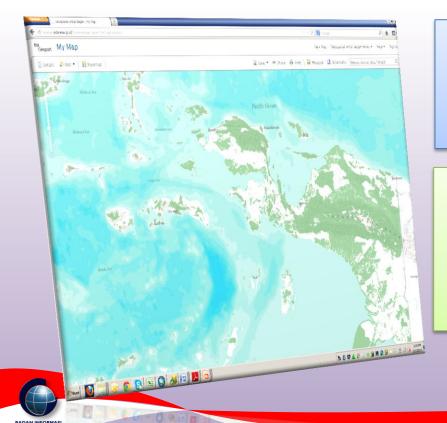
OUTSTANDING SUPPORTS FROM OUR LEADERS

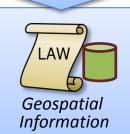




GOOD GOVERNANCE FOR SUSTAINABLE FOREST MANAGEMENT







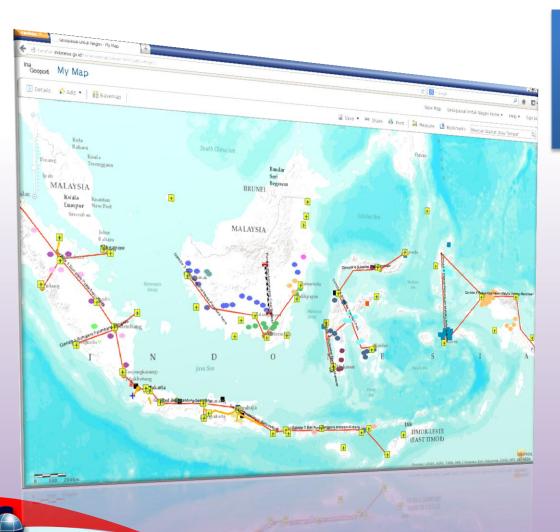
a reliable reference for enabling decision makers to to avoid boundary dispute and make the right decisions

REVISED SINGLE
FORESTRY MAP EVERY
SIX MONTHS WITH
PUBLIC PARTICIPATION
FROM (AS PEER
REVIEW)

ONE LAND, ONE NATION AND ONE LANGUAGE.

INDONESIA also needs to be united by ONE MAP.

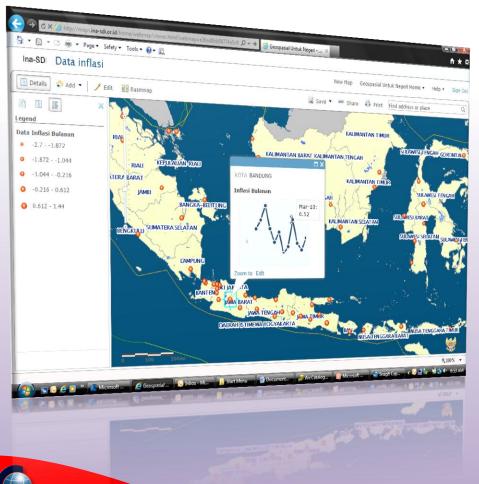
PROVIDING ACCESS TO GEOSPATIAL INFORMATION TO SUPPORT INDONESIAN ECONOMIC ACCELERATION AND EXTENSIFICATION



GLOBAL DYNAMICS AND ECONOMIC CONDITION DRIVES COUNTRIES TO DO ECONOMIC TRANSFORMATION

- CHANGING GLOBAL SITUATION
 RAISES COMPETITIONS
- BOOSTING EXPORT PRODUCTS
 NOT RAW MATERIALS
- RAISING PROSPERITY LEVEL TO
 MEET CONSTITUTION DEMAND
- OVERCOMING HIGH RATE OF
 POVERTY AND ECONOMIC GAPS

PROVIDING A TOOL TO COORDINATE IN INDONESIAN ECONOMIC ACCELERATION AND EXTENSIFICATION







http://geoservices.ina-sdi.or.id:

Power Plant 10.000MW Phase I (MoESDM); Fishpond (MoKKP);



http://geoservice.bakosurtanal.go.id:

State Border; Provincial Border; Land Cover



http://gis.dephub.go.id:

Poverty Line (BPS)



http://sigi.pu.go.id:

Spatial Plannings

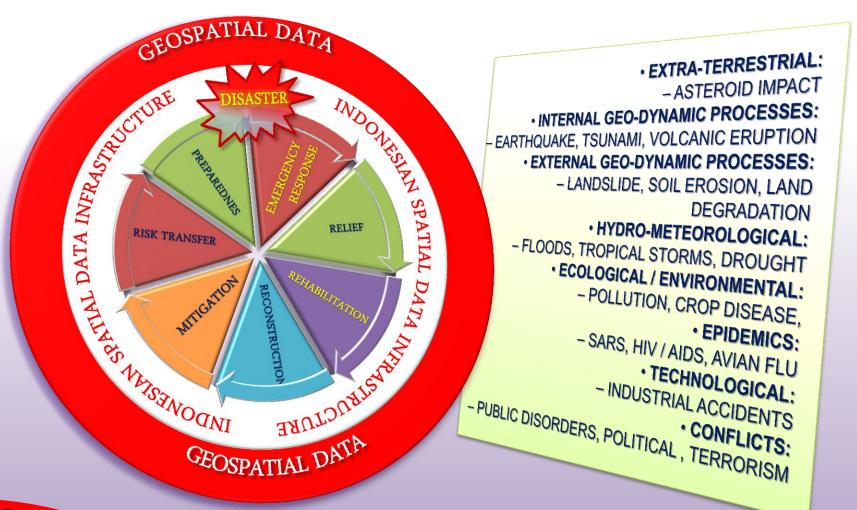


http://geoservices.ina-sdi.or.id:

Environment



PROVIDING GEOSPATIAL INFORMATION IN ALL PHASE OF DISASTER MANAGEMENT





PROVIDING GEOSPATIAL INFORMATION IN ALL PHASE OF DISASTER MANAGEMENT



PROVIDING GEOSPATIAL INFORMATION IN ALL PHASE OF DISASTER MANAGEMENT





EMPOWER ALL LEVEL OF
DECISION MAKINGS TO BE
ABLE TO COLLABORATE
DISASTER RESPONSES FROM
ACCURATE AND ACOUNTABLE
GEOSPATIAL INFORMATION

COLLABORATION WITH PARTICIPATORY MAPPING (PM)

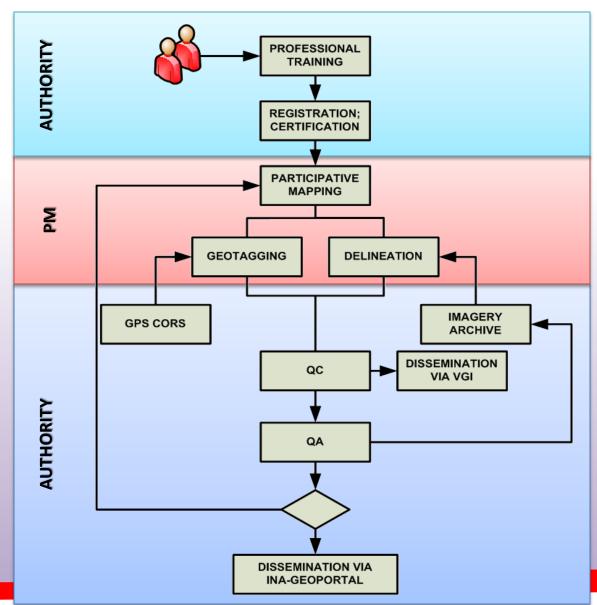
CONSTRUCTIVE COLLABORATION TO ENRICH DATA FOR SUSTAINABLE DEVELOPMENT

COLLABORATION:

- QUALITY CONTROL
- PROFESSIONAL TRAINING
- **❖** INCENTIVES
- CONTINUOUS PARTNERSHIP

PARTNERS:

- ❖ OPENSTREETMAP INDONESIA
- ❖ NETWORK FOR PARTICIPATORY MAPPER (JKPP)
- INDONESIAN DISASTER COMMUNITY (MBI)
- **❖** NAVIGASI.NET





SUMMARY

- 1. IMPROVEMENTS IN QUALITY AND QUANTITY, AS WELL AS IN GEOSPATIAL INFORMATION MANAGEMENT WILL BENEFIT INDONESIA TO IMPLEMENT SUSTAINABLE DEVELOPMENT.
- 2. INA-SDI ABLE TO BE FUNCTIONED AS "COMMON MEDIA" FOR ALL LEVEL OF GOVERNMENTS, PRIVATE SECTORS, AND CITIZENS TO ACHIVE SUSTAINABLE DEVELOPMENT GOAL EFFECTIVELY, THROUGH COOPERATION, CORDINATION, INTEGRATION AND SYNCHRONIZATION; AND.
- 3. UN-GGIM COULD PROMOTE GLOBAL SPATIAL DATA INFRASTRUCTURE PROGRAMS TO INITIATE SYNCHRONIZED EFFORT TO MOVE THE SUSTAINABLE DEVELOPMENT AGENDA FORWARD, THROUGH THE ACHIEVEMENT OF THE INTERNATIONALLY AGREED DEVELOPMENT GOALS, SO WE WILL LIVE IN THE FUTURE WE WANTED.

