

LADM FOR NATIONAL DEVELOPMENT PLANNING

Data User Perspectives

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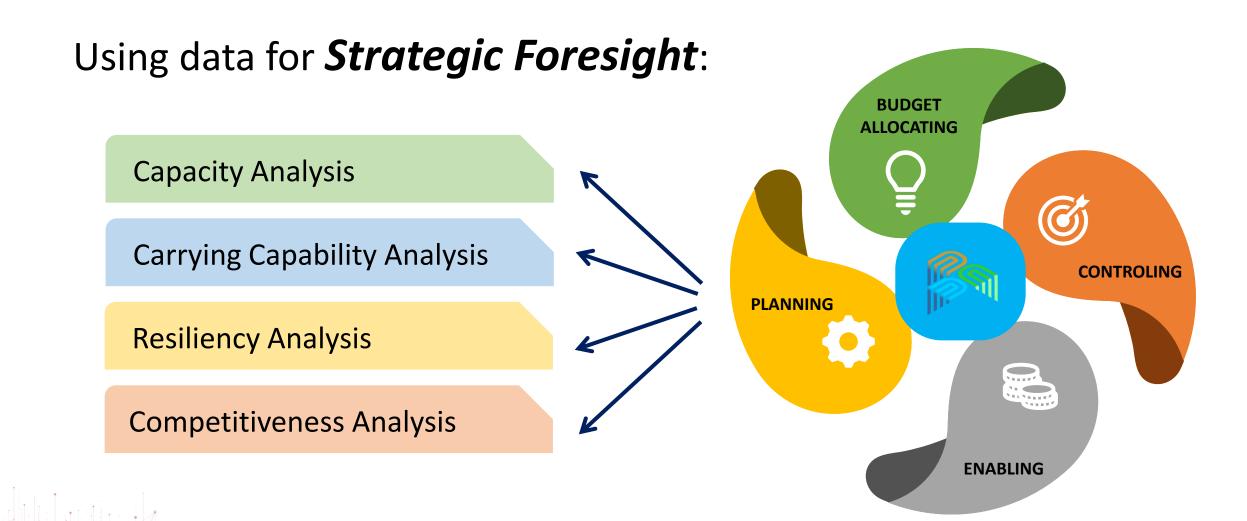
Wednesday, 25 September 2024



Introduction

Our Function, Services and Product





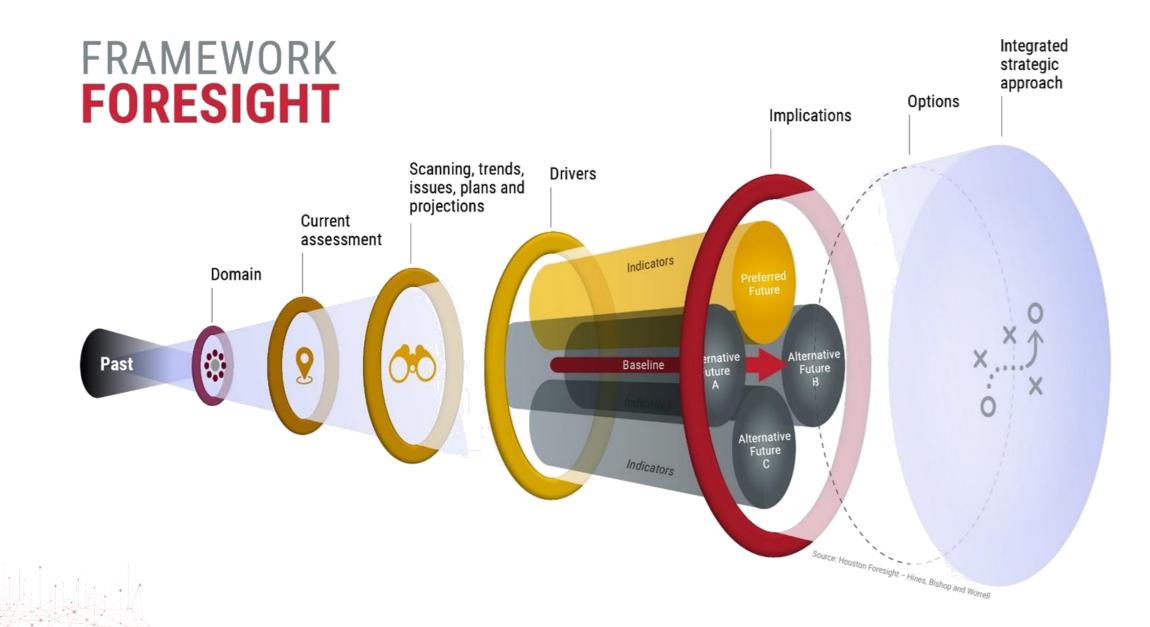
V.U.C.A

volatile uncertain complexity ambiguity

strategic foresight is regarded as a <u>proactive</u> and <u>systematic</u> approach that enables countries <u>to prepare for the</u> <u>future</u>, <u>navigate uncertainty</u>, and <u>make</u> **informed decisions** that contribute to their <u>long-term success</u> and <u>resilience</u>.

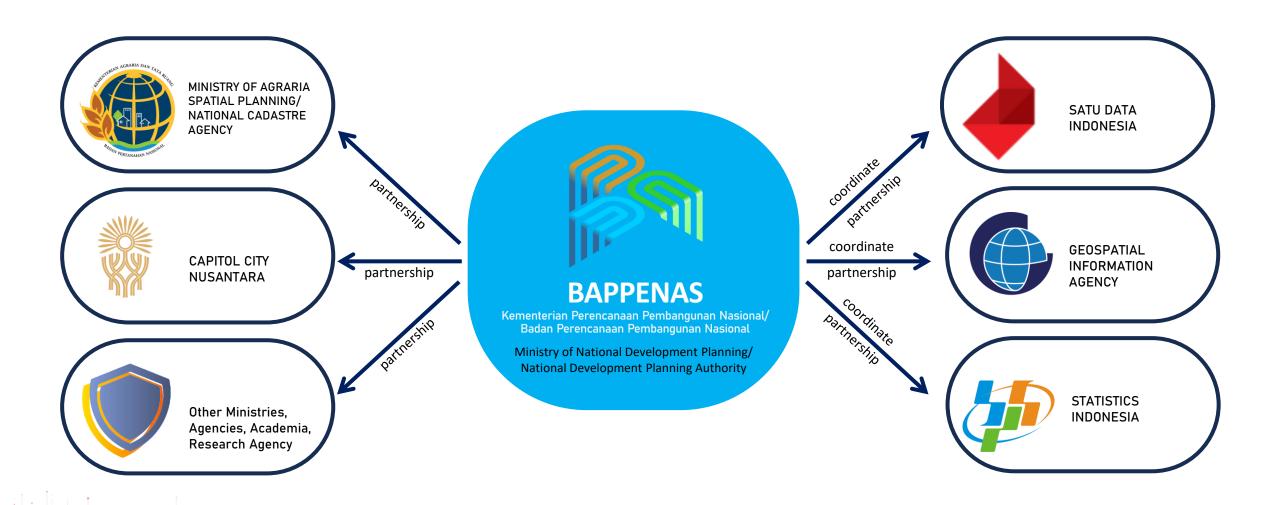


Function, Services and Product



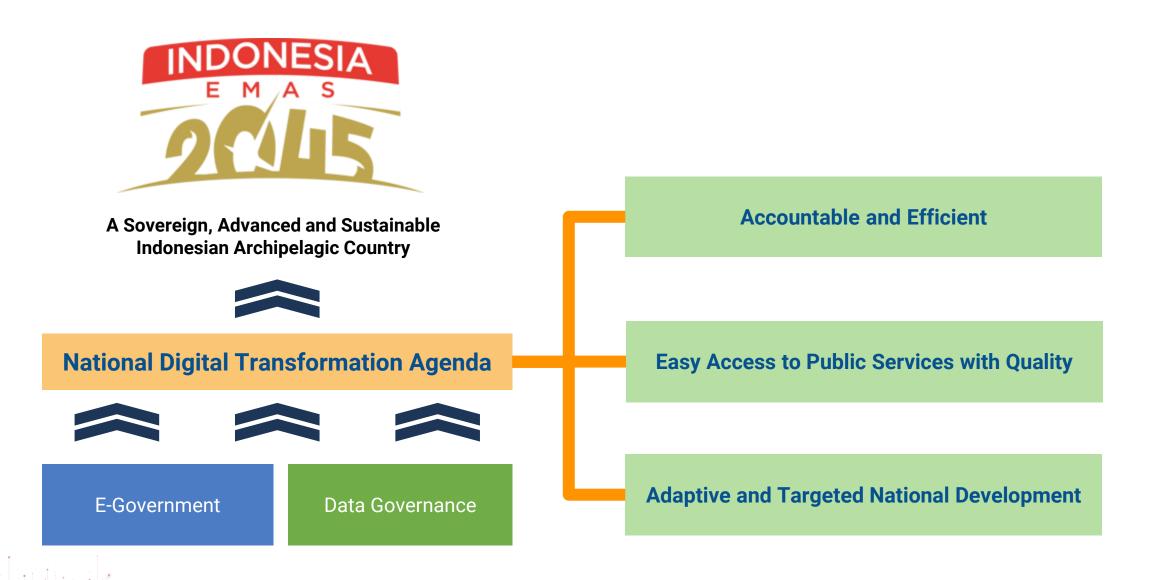
Institutional Arrangements





Recent Product: National Long-Term Plan (20 years)

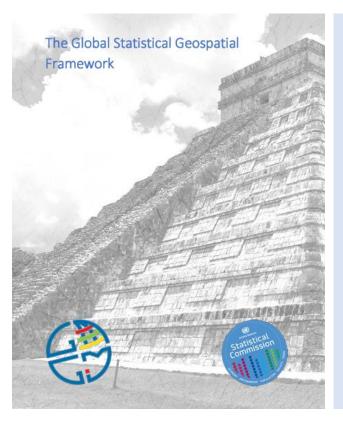




How we use your data [your data customer activity]

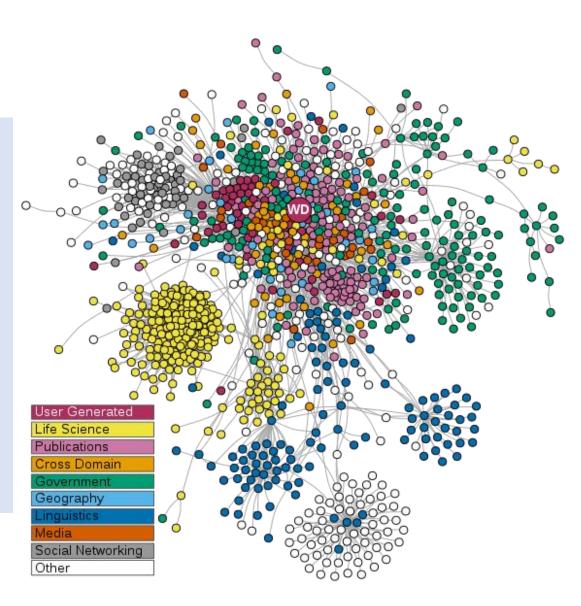


We use your product and integrate them



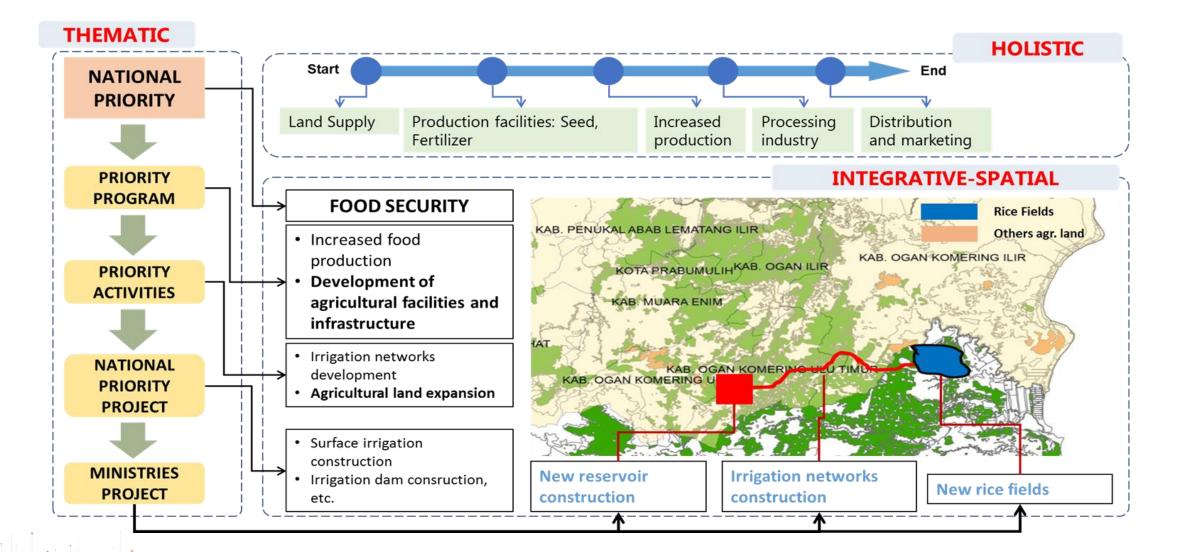
Principal of Linked Data (Berners-Lee, 2006):

- Uniform Resource Identifiers (URIs) for identifying things/objects.
- 2. HTTP URIs that are used to search for, interpret, and differentiate between things/objects.
- 3. Each Information related to things/objects in open standards format (eg: RDF, SPARQL, etc.)
- 4. Uses an HTTP URI base for publication over the Web.



https://unstats.un.org/unsd/statcom/51st-session/documents/The_GSGF-E.pdf

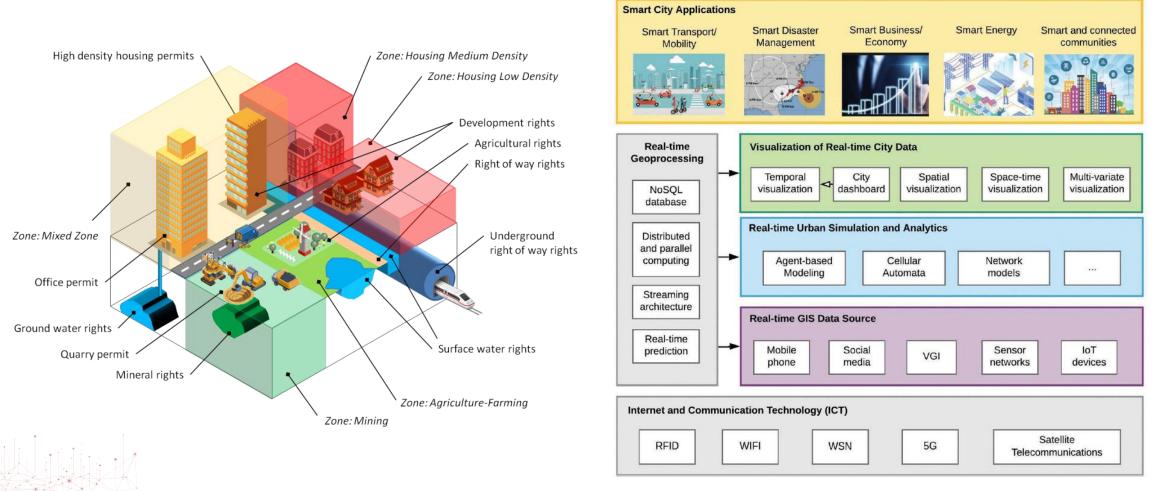
We use your product and using them for scenario planning



We use your product to serve society



"A digital twin (of a city) is a mirror image of a physical process that is articulated alongside the process in question, usually matching exactly the operation of the physical process which takes place in real time" (Batty, 2018)



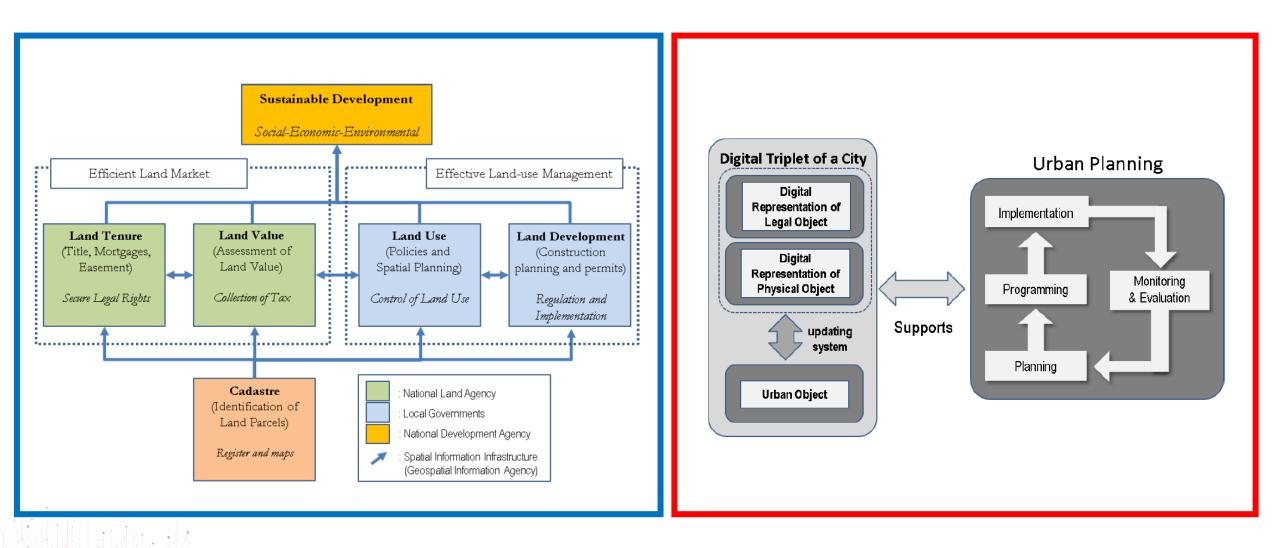


We use your product to serve capitol city





We use your product to develop building and to regulate people Spatial Plan should be "Expected Land Use" inside its own boundary



Urgency for data standardization [your data customer requirement]

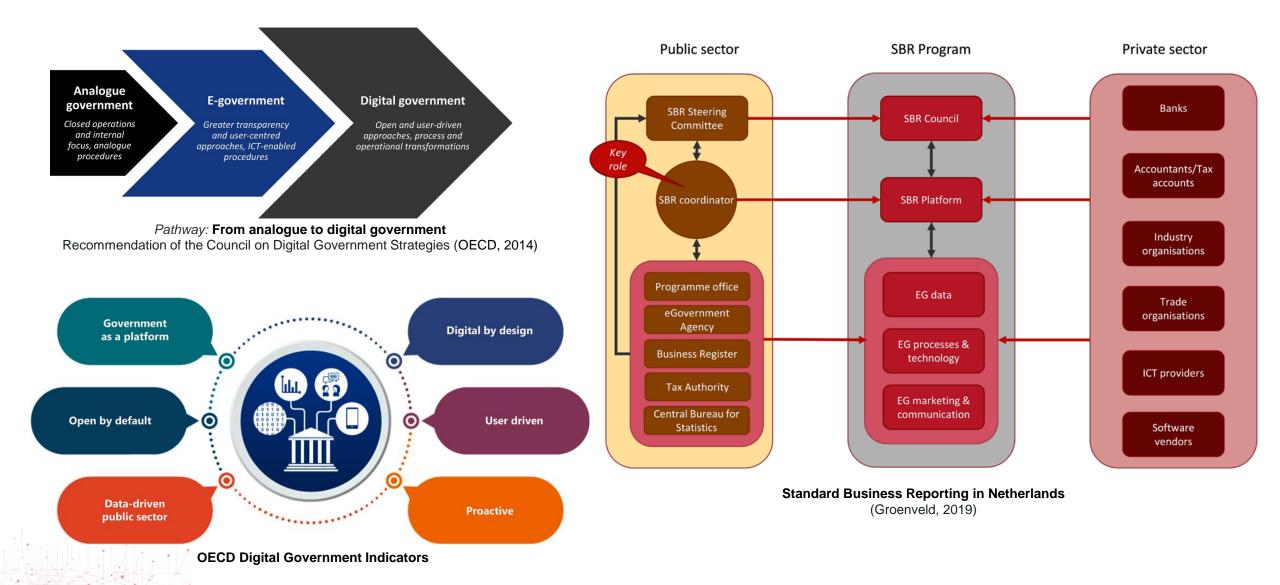


We need nationwide data standardization to progress Indonesia knows the importance of data standardization





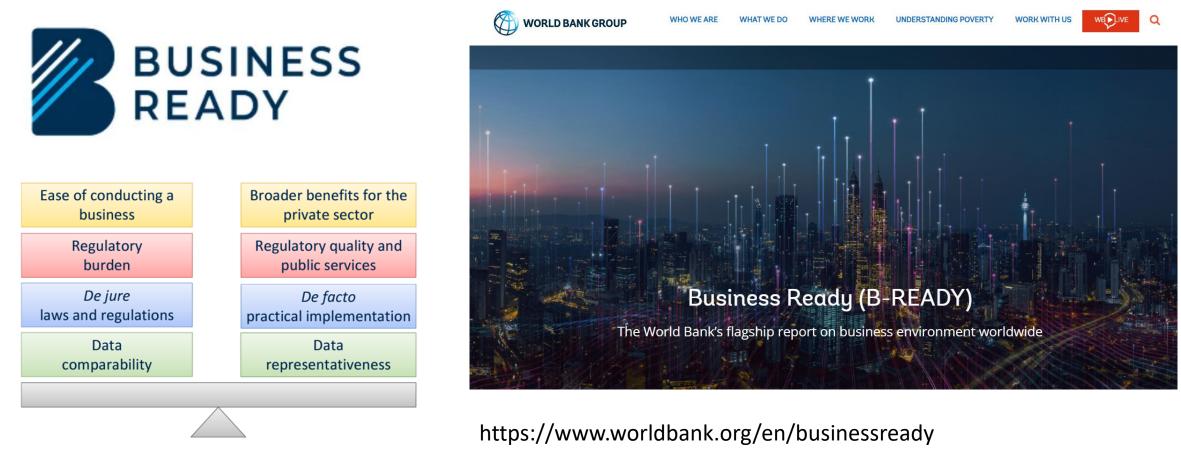
We need nationwide data standardization to progress Indonesia is moving toward OECD accession





We need nationwide data standardization to progress

Indonesia is improving business environment



Source: B-READY team.

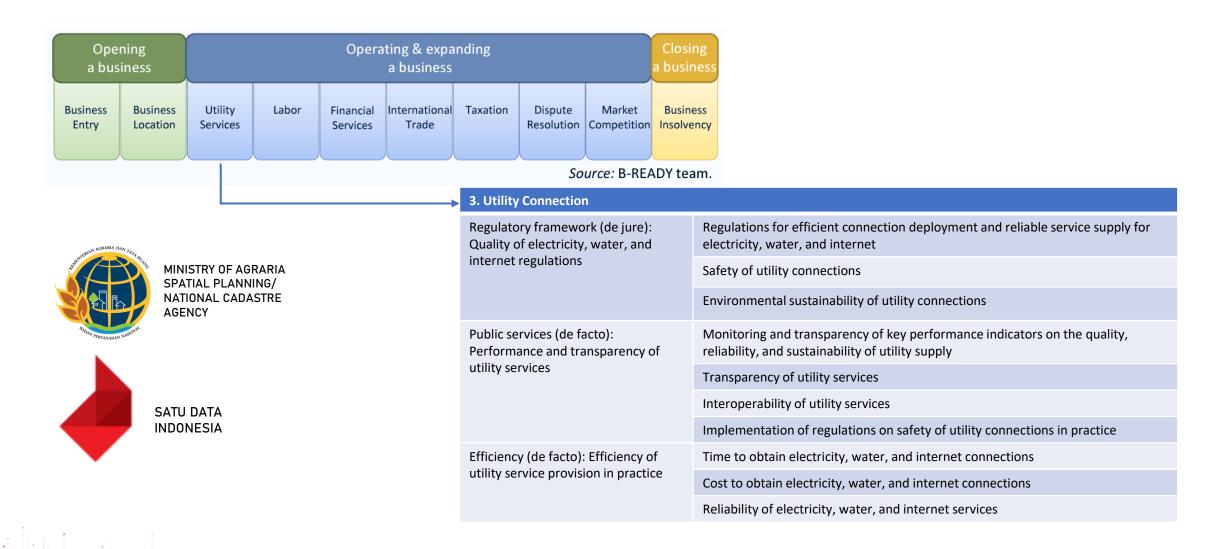


We need nationwide data standardization to progress Indonesia is improving data for – 2. business location permit

| Opening a business | | Operating & expanding a business | | | | | | | Closin a busine | | |
|-----------------------|---|-------------------------------------|---------------------|--|-----------------------|--|-----------|---|---|---|---|
| Business Entry | | iness ation | Utility Services | Labor | Financial Services | International Trade | Taxation | Dispute Resolution | Market Competition | Busines Insolven | |
| | | | | | | | | So | <i>urce:</i> B-REA | ADY tear | n. |
| | | | | | | | 2. Busine | ess Locatior | า | | |
| | | | | | | Regulatory framework (de jure): | | | Good regulatory practices for land administration | | |
| MENTERIAN AGRARIA D | MINISTRY OF AGRARIA SPATIAL PLANNING/ NATIONAL CADASTRE AGENCY | | | Quality of regulations for immovab property lease, property ownership and urban planning | | | | Good regulatory practices for building regulations and environmental license | | | |
| | | | | | | | | Restrictions on property leasing and ownership | | | |
| IADAN PERTANAHA | | | | Public services (de facto): Quality of public services and transparency of the services and transpa | | | • | Availability of online services and reliability of infrastructure for property transactions | | | |
| | | | | | | information | | | | Interoperability of services for property transactions | |
| | | | | | | | | | | Availability of online information on immovable property | |
| | | SATU DATA | | | | | | | | Availability of online services for building permitting and environmental licenses | |
| | | INDONESIA | | | | | | | | Interoperability of building permitting systems | |
| • | | | | | | | | | | | Transparency of information for building permits and environmental licenses |
| | | | | | | Efficiency (de facto): Efficiency o obtaining a business location in | | | | Time to purchase a property and obtain an occupancy permit, building permits, and environment-related permits | |
| | | | | practice | practice | | | Cost to purchase a property and obtain an occupancy permit, building permits, and environment-related permits | | | |

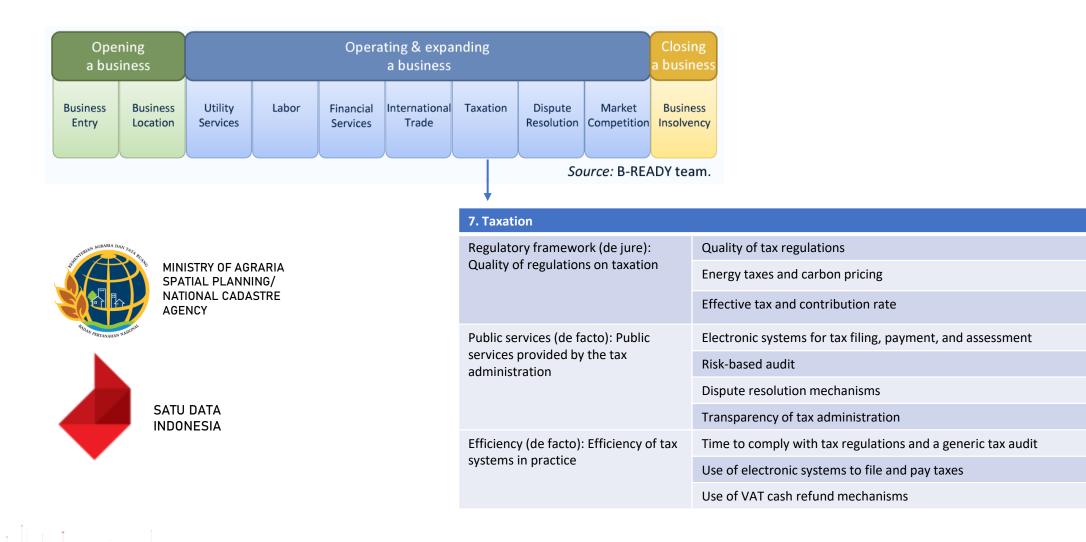


We need nationwide data standardization to progress Indonesia is improving data for – 3. utility connection





We need nationwide data standardization to progress Indonesia is improving data for – 3. utility connection





We need nationwide data standardization to progress

indicators)

Indonesia is improving data for property transfer, urban planning, and environment permitting

| | 1.1 | Regulatory Standards for Land Administration (11 indicators) |
|-------------------|-------|---|
| | 1.1.1 | Property Transactions Standards (4 indicators) |
| | 1.1.2 | Land Dispute Resolution Mechanism (4 indicators) |
| | 1.1.3 | Land Administration System (3 indicators) |
| | 1.2 | Restrictions on Property Lease and Ownership (19 indicators) |
| | 1.2.1 | Restriction for Domestic Firms to Lease Property (5 indicators) |
| AGRARIA | 1.2.2 | Restriction for Domestic Firms to Own Property (4 indicators) |
| NNING/ .DASTRE | 1.2.3 | Restriction for Foreign Firms to Lease Property (5 indicators) |
| DASIRE | 1.2.4 | Restriction for Foreign Firms to Own Property (5indicators) |
| | 1.3 | Gender (1 indicator) |
| | 1.3.1 | Gender Incentives for Professional Participation (1 indicator) |
| | 1.4 | Regulatory Standards for Building Regulations and Environmental Licenses (31 indicators) |
| | 1.4.1 | Building Regulations Standards (13 indicators) |
| | 1.4.2 | Building Energy Codes and Standards (4 indicators) |
| | 1.4.3 | Zoning and Land Use Planning (1 indicators) |
| | 1.4.4 | Environmental Clearances in Construction (10 indicators) |
| | 1.4.5 | Dispute Mechanisms for Building Permits and Environmental Clearances in Construction (3 indicators) |
| | | |

Pillar I-Quality of Regulations for Immovable Property Transfer, Urban Planning, and Environmental Permitting (62



MINISTRY OF A SPATIAL PLAN NATIONAL CAD AGENCY





We need nationwide data standardization to progress

Indonesia is improving data for property transfer, urban planning, and environment permitting

| 2.1 | Availability and Reliability of Online Services (20 indicators) | | | | | |
|---------------------|---|--|--|--|--|--|
| 2.1.1 | Property Transactions-Digital Public Services (6 indicators) | | | | | |
| 2.1.2 | Property Transactions-Reliability of Infrastructure (5 indicators) | | | | | |
| 2.1.3 | Property Transactions-Coverage (4 indicators) | | | | | |
| 2.1.4 | Building Permits and Environmental License-Digital Public Services (5 indicators) | | | | | |
| 2.2 | Interoperability of Services (6 indicators) | | | | | |
| 2.2.1 | Interoperability for Property Transactions (4 indicators) | | | | | |
| 2.2.2 | Interoperability for Building Permits (2 indicators) | | | | | |
| 2.3 | Transparency of Information (20 indicators) | | | | | |
| 2.3.1 | Transparency of Information for Immovable Property (8 indicators) | | | | | |
| 2.3.2 | Gender Data on Property Ownership (1 indicator) | | | | | |
| 2.3.3 | Transparency of Information for Building Permits and Environmental Licenses (8 indicators) | | | | | |
| 2.3.4 | Transparency of Information on Zoning and Land Use (3 indicators) | | | | | |
| Pillar II | I-Efficiency of Obtaining Business Location (8 indicators) | | | | | |
| 3.1 | Time to obtain a Business Location (4 indicators) | | | | | |
| 3.1.1 | Time to Transfer Property (1 indicator) | | | | | |
| 3.1.2 | Time to obtain a Building Permit (1 indicator) | | | | | |
| 3.1.3 | Time to obtain an Occupancy Permit (1 indicator) | | | | | |
| 3.1.4 | Time to obtain an Environmental Clearance in construction (1 indicator) | | | | | |
| | Cost to Obtain a Business Location (4 indicators) | | | | | |
| 3.2 | Cost to Obtain a Business Location (4 indicators) | | | | | |
| | Cost to Obtain a Business Location (4 indicators) Cost to transfer property (1 indicator) | | | | | |
| 3.2 | | | | | | |
| 3.2 3.2.1 | Cost to transfer property (1 indicator) | | | | | |



MINISTRY OF AGRARIA SPATIAL PLANNING/ NATIONAL CADASTRE AGENCY





We need nationwide data standardization to progress Indonesia is planned to improve data for LAS and RRR (TBD)

| | Indicators | Components | | | |
|---|-----------------------------|--|--|--|--|
| 1 | Disclosure of land registry | Legal framework specifies who can obtain information on land ownership at the | | | |
| 1 | information | immovable property | | | |
| 2 | Disclosure of cadastral | Legal framework provides who can consult cadastral plans of private land plots | | | |
| | information | | | | |
| 3 | Infrastructure for land | Existence of cadaster/mapping agency (institution in charge of surveying each plot | | | |
| | administration | of land) | | | |

Table 5. Subcategory 1.1.3–Land Administration System

Table 9. Subcategory 1.2.4-Restriction for Foreign Firms to Own Property

| | Indicators | Components |
|---|---|---|
| 1 | Restriction of ownership on the area of the land for foreign firms | Restriction of ownership on the area of land for foreign firms |
| 2 | Restriction on the duration of ownership for foreign firms | Restriction on the duration of ownership for foreign firms |
| 3 | Restriction on property ownership based on location for foreign firms | Restriction on property ownership based on location for foreign firms |
| 4 | Restriction on the ownership of agricultural land for foreign firms | Restriction on the ownership of agricultural land for foreign firms |
| 5 | Restriction on the ownership for foreign firms by certain type of buildings | Restriction on ownership for foreign firms by certain type of buildings (residential, commercial, industrial) |

Table 13. Subcategory 1.4.3–Zoning and Land Use Planning

| | Indicators | Components |
|---|---------------------------------|--|
| 1 | Land use and zoning regulations | i) Requirements for trunk infrastructure availability (water, electricity, sanitation) |
| | | ii) Hazard maps or related means that identify areas in which construction is not |
| | | permitted due to natural hazards |
| | | iii) Hazard maps or other tools that identify minimum separation between residential |
| | | and hazardous occupancies |
| | | iv) Maps or related means that identify areas in which construction of buildings is |
| | | not permitted in relation to natural resources |
| | | v) They do not exist |



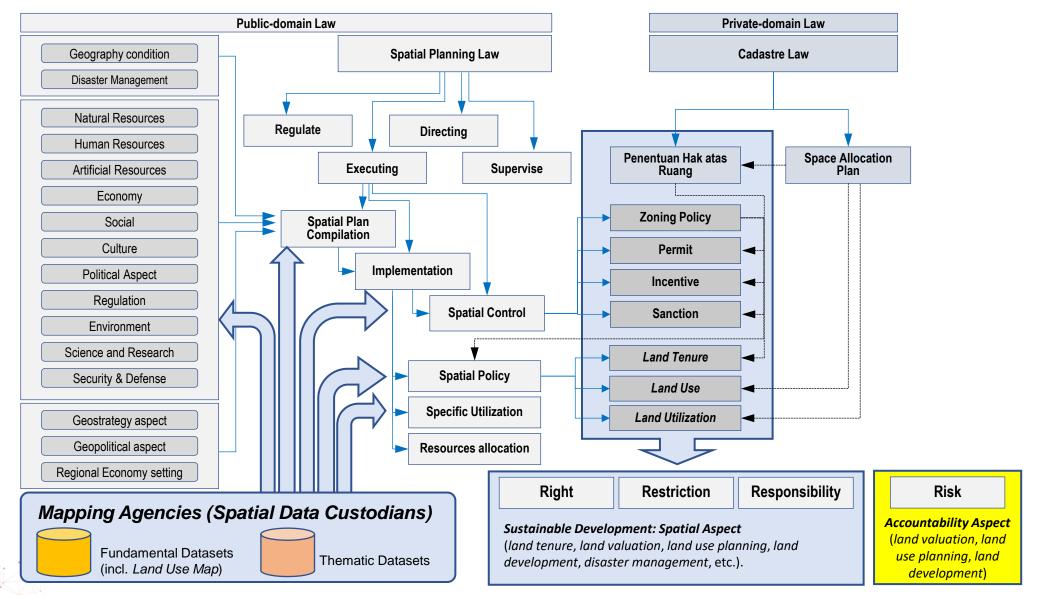


Recommendations [your data customer wishes]



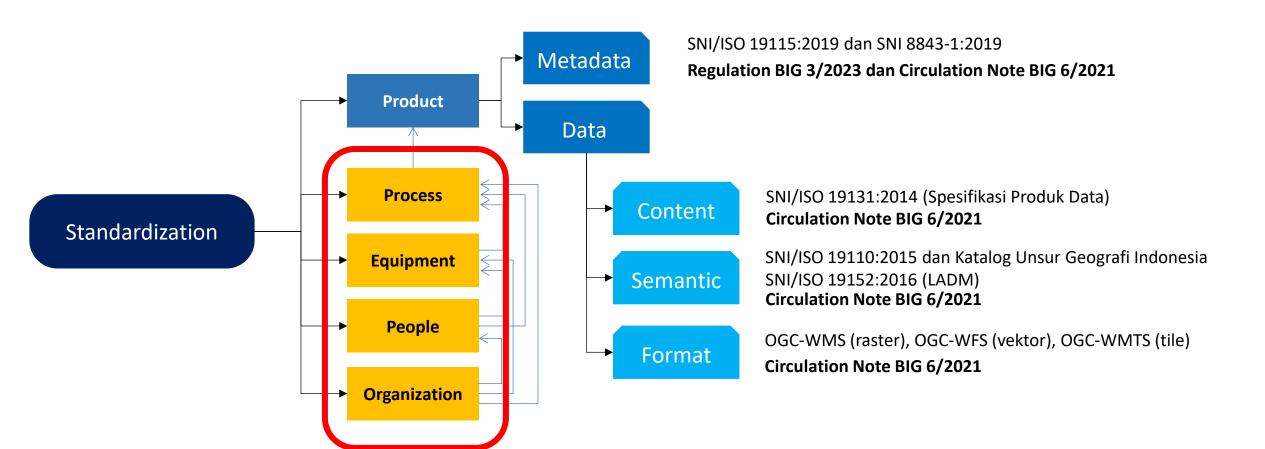
Indonesia need more R for Risk

Recent Law introduce Risk-based Permit Assessment





Countries need guidelines to implement standard Success story is the best guideline





Terima Kasih

Thank You