

### LADM FOR NATIONAL DEVELOPMENT PLANNING

Data User Perspectives

Dr. Agung Indrajit, ST, M.Sc

Head of Data and Information for National Development Secretary at Secretariat of Satu Data Indonesia Ministry of National Development Planning Republic of Indonesia

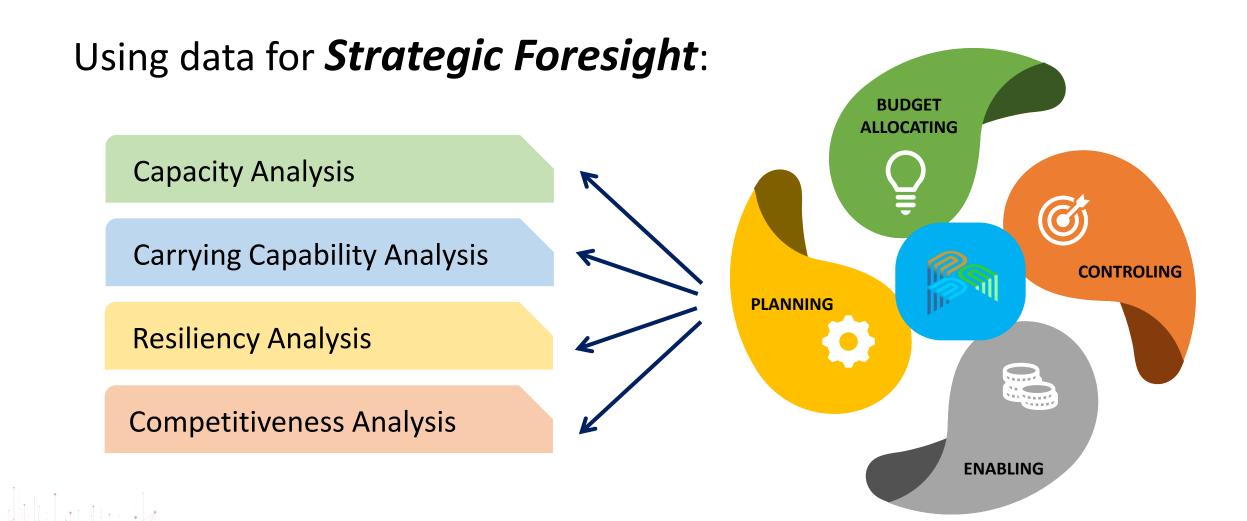
Wednesday, 25 September 2024



# Introduction

**Our Function, Services and Product** 





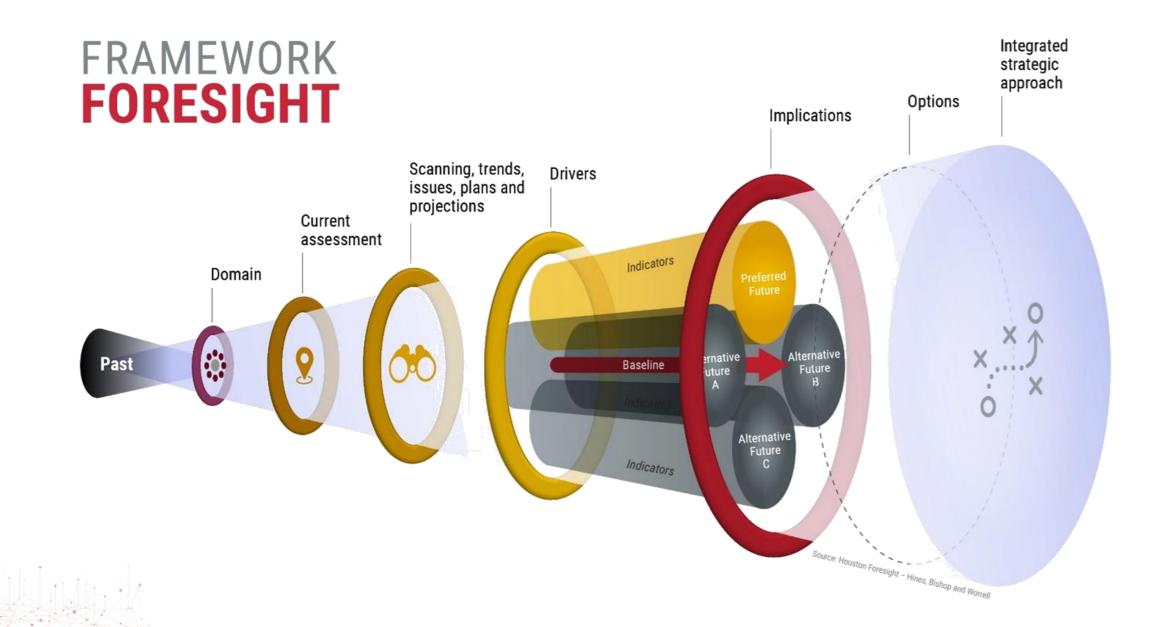
## V.U.C.A

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>.

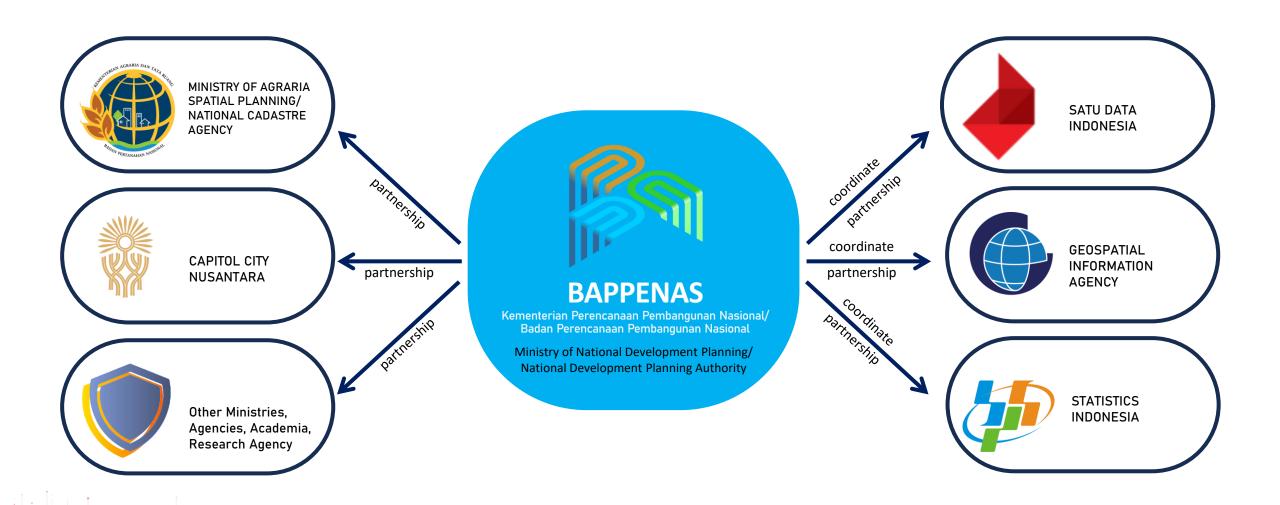


#### **Function, Services and Product**



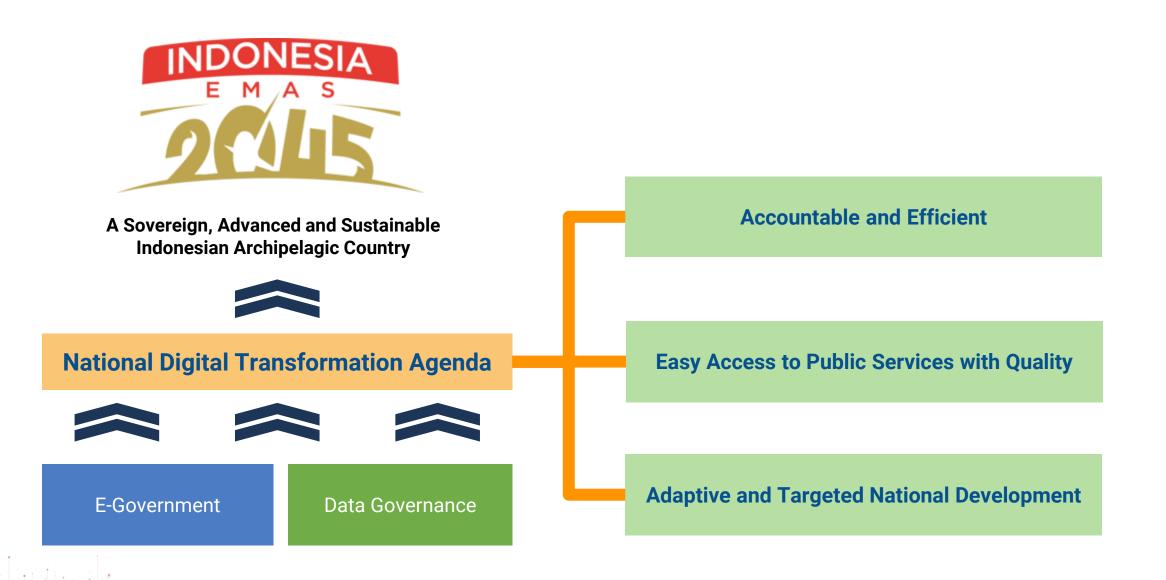
#### **Institutional Arrangements**





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

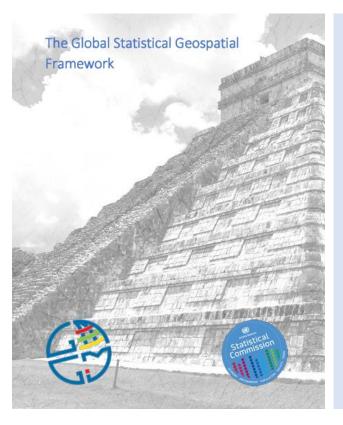




# How we use your data [your data customer activity]

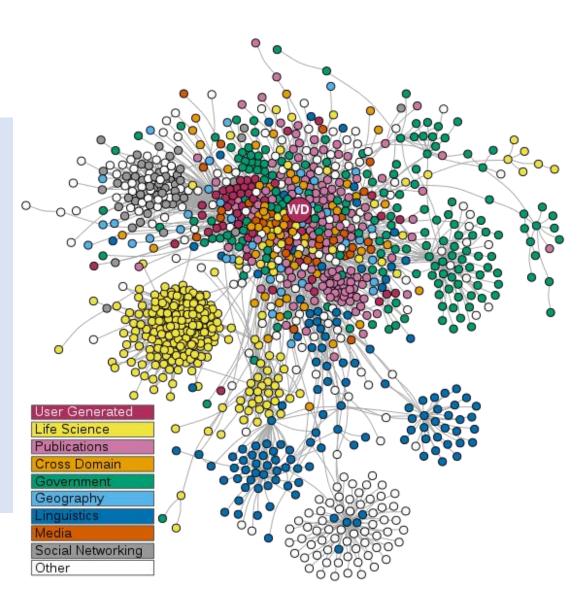


#### We use your product and integrate them



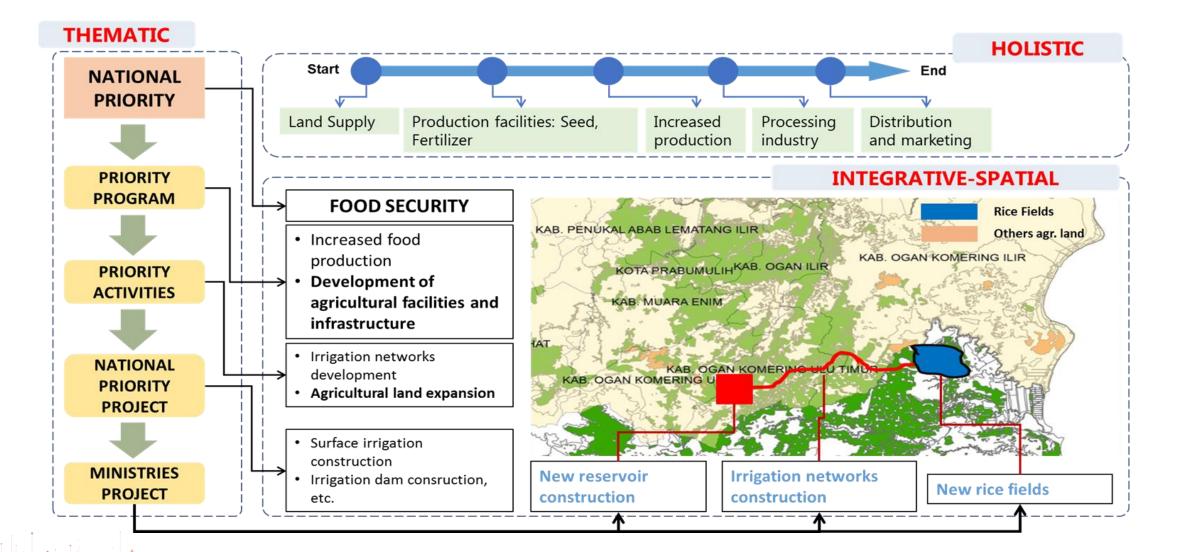
#### Principal of Linked Data (Berners-Lee, 2006):

- 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

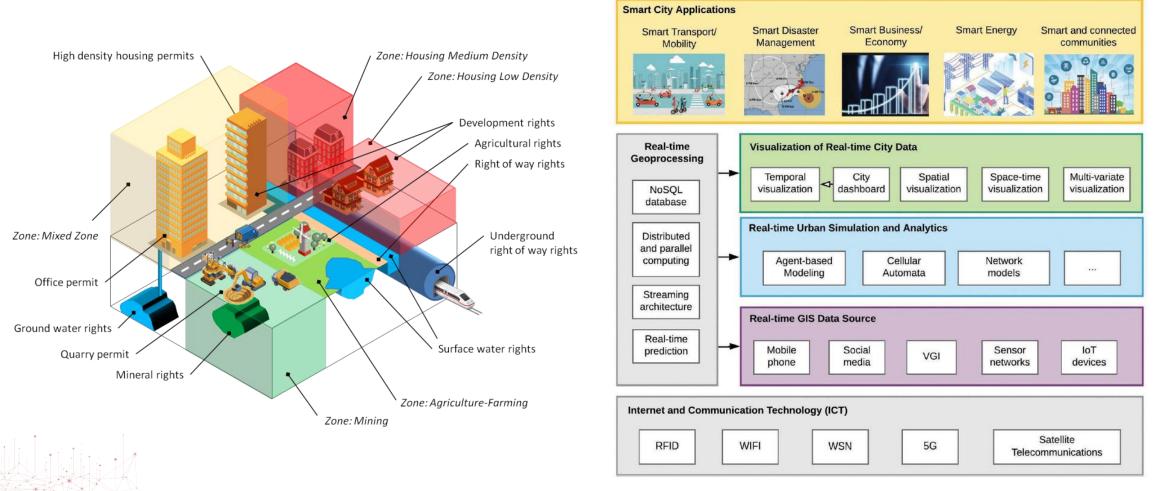
#### We use your product and using them for scenario planning



#### 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)



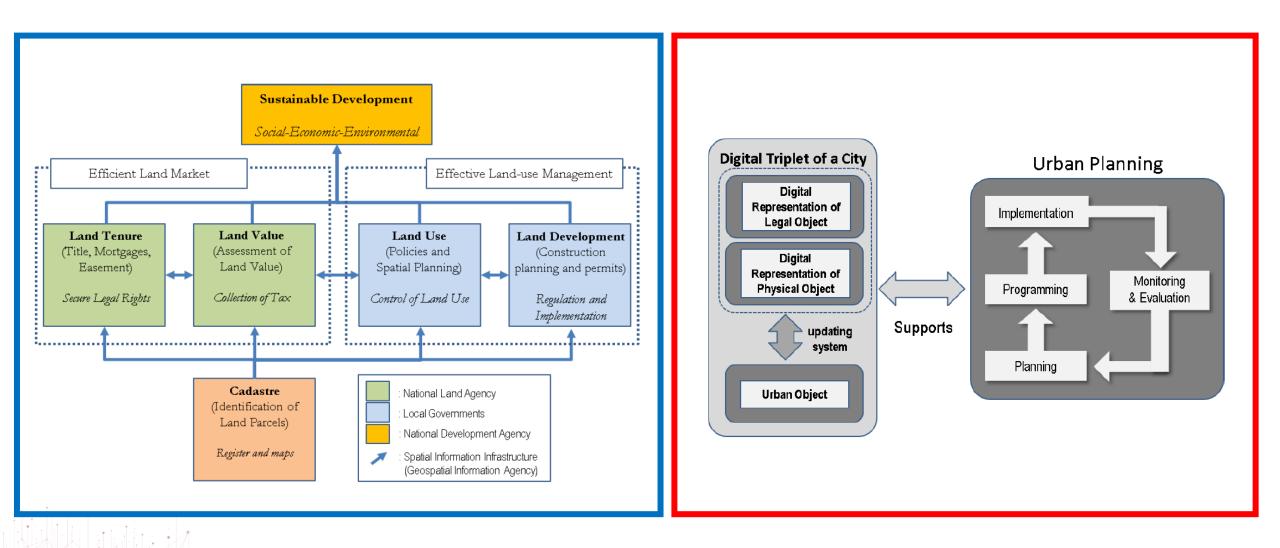


#### We use your product to serve capitol city





### 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]

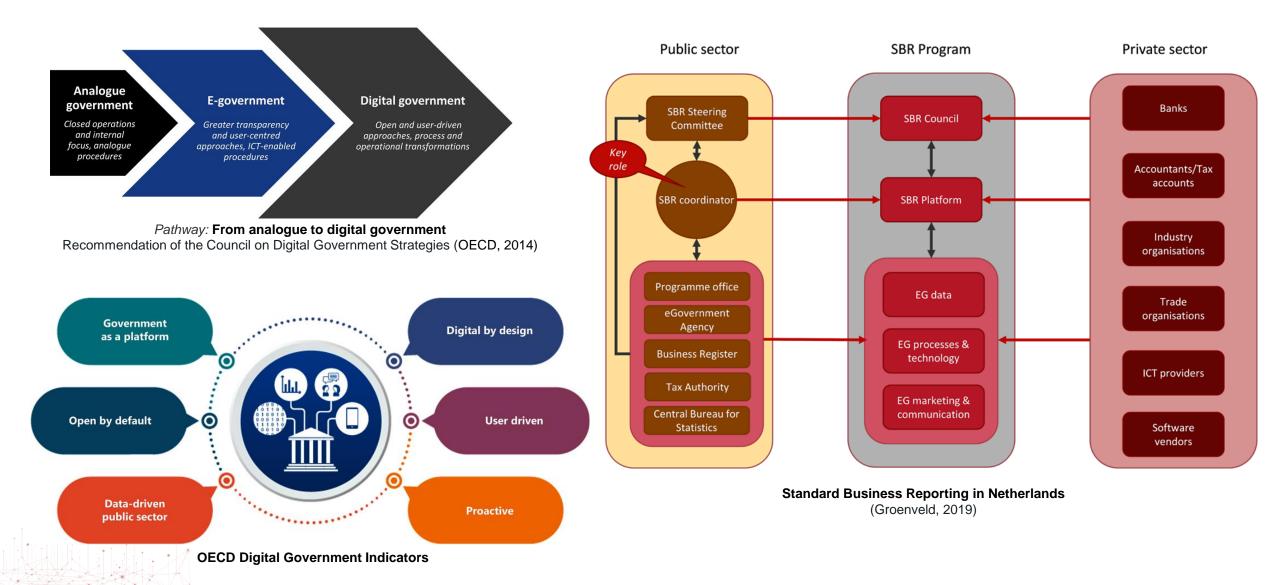


#### We need nationwide data standardization to progress Indonesia knows the importance of data standardization





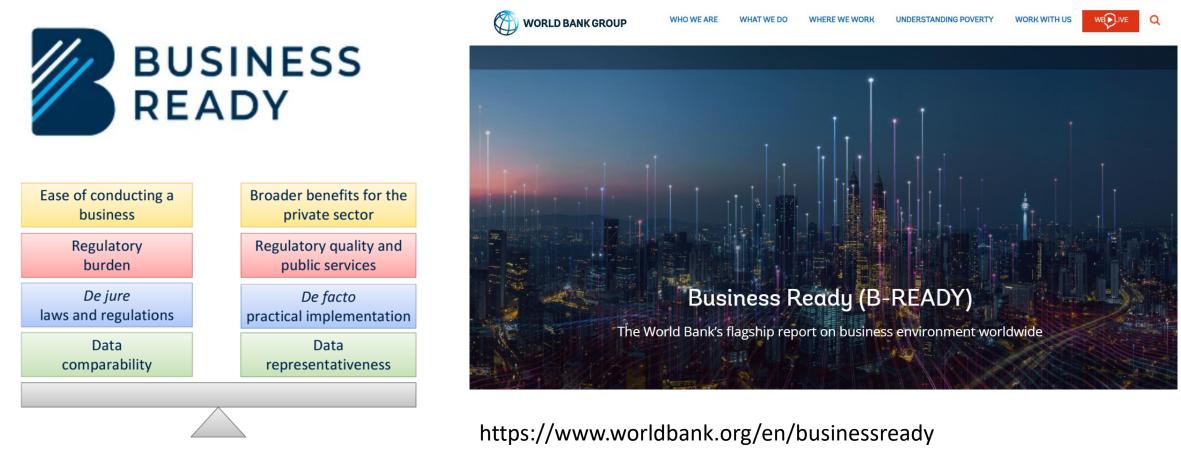
### We need nationwide data standardization to progress Indonesia is moving toward OECD accession





### We need nationwide data standardization to progress

Indonesia is improving business environment



Source: B-READY team.

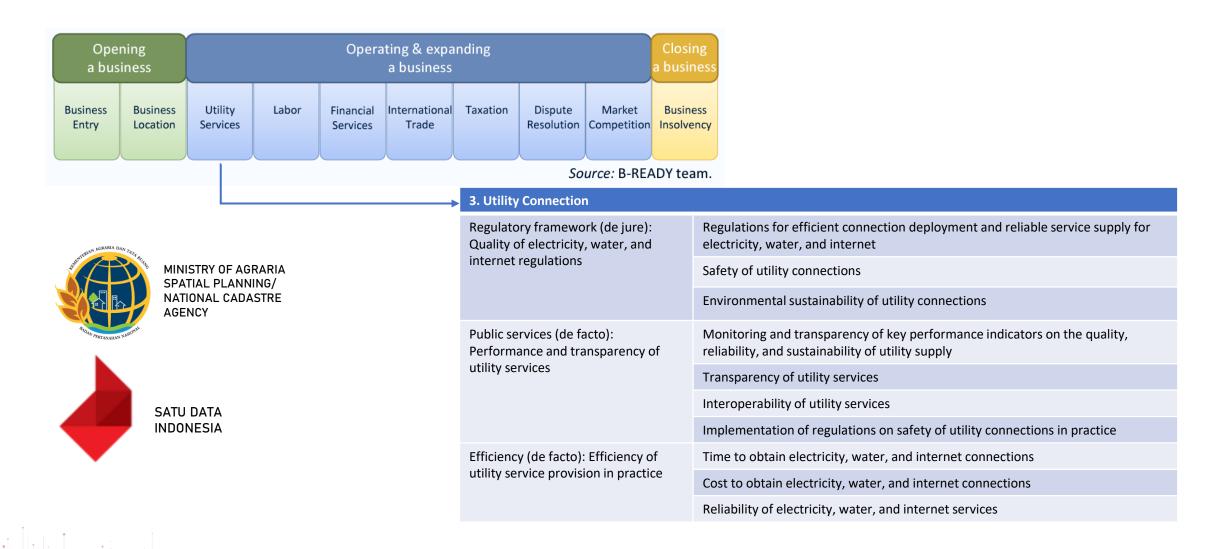


#### We need nationwide data standardization to progress Indonesia is improving data for – 2. business location permit

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			

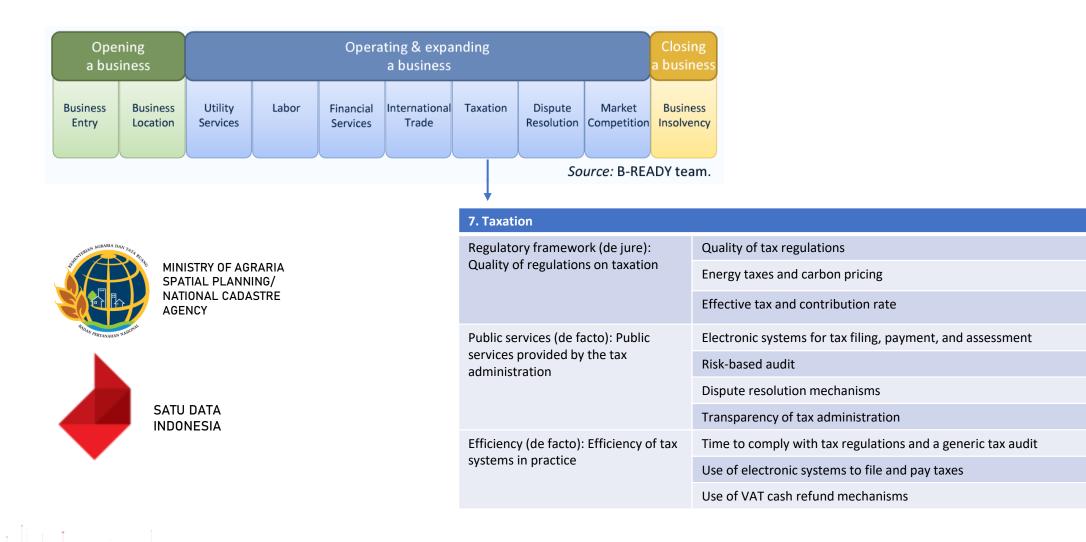


#### We need nationwide data standardization to progress Indonesia is improving data for – 3. utility connection





#### 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						
<b>3.2</b> 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



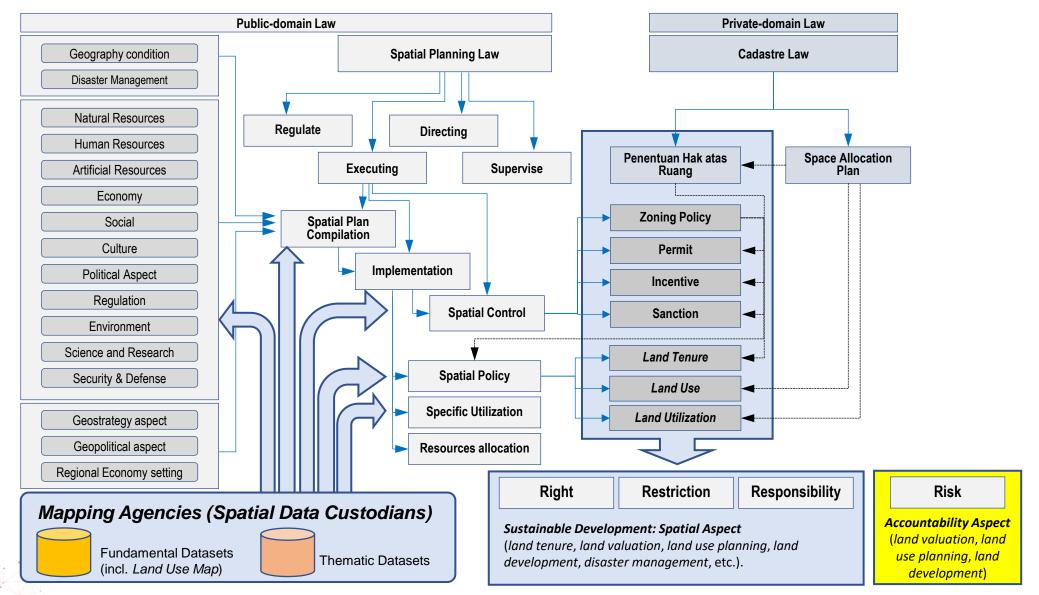


# Recommendations [your data customer wishes]



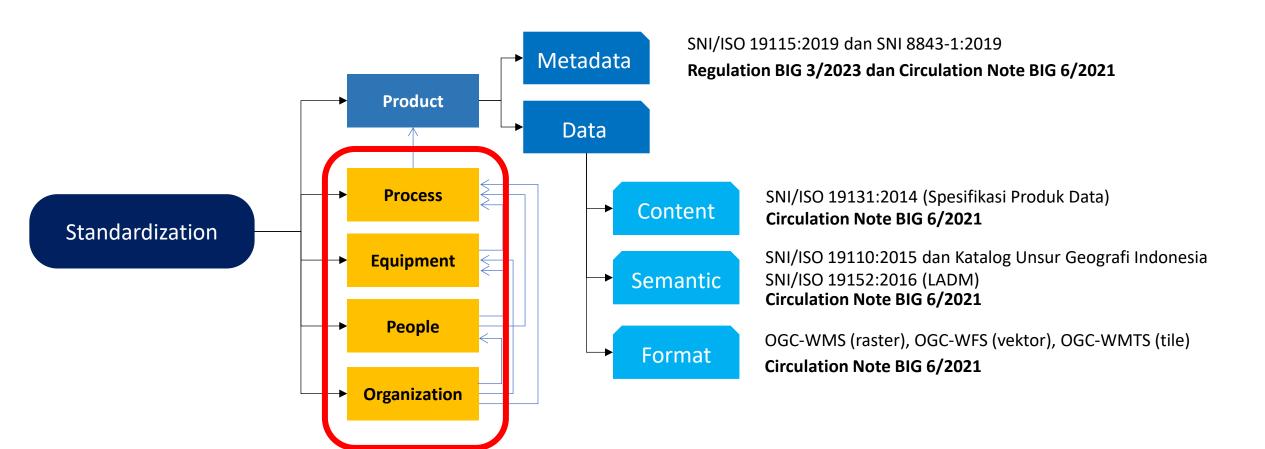
### Indonesia need more R for Risk

Recent Law introduce Risk-based Permit Assessment





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





## **Terima Kasih**

## **Thank You**