



Digitally Transforming Land Administration at Scale: Indonesia, World Bank and Global Lessons

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World Bank Objectives

- 
- Ending extreme poverty
 - Boosting shared prosperity
 - On a liveable planet

Goals

- 
- Prudent investment
 - Good governance
 - Citizen engagement

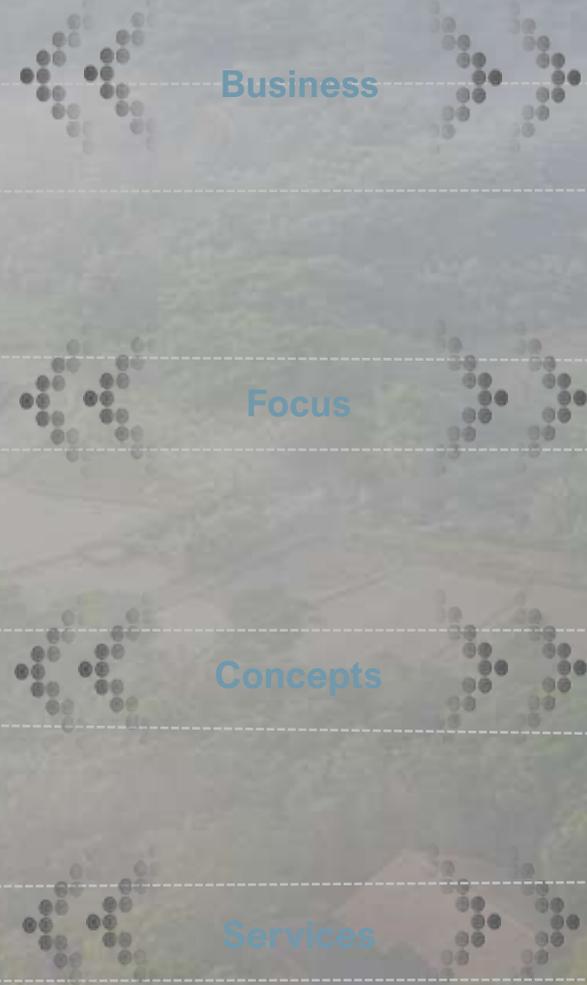
Corporate Requirements

Land: An Expanding Agenda

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-  Land Tenure Security
-  Poverty, Equality
-  Property Market
-  Rural Titling
-  2D Records
-  Cadastral Map
-  Digitalization
-  Automation
-  Land Information Systems



- Planning, Asset Monetization
- Access to Land for Housing, Urban Development and RE
- Property Valuation and Taxation
- Forest, Communal and Public Lands
- Urban Cadastre, 3D Records
- Spatial Data Infrastructure, Marine Cadastre
- GIS-enabled Smart Cities, Emission Monitoring
- Web-based Services
- eGovernment

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Indonesia aims to register all land by 2025



Total area 190.5 million hectares

Population of 273.8 million people

Member of G20

Biggest economy in ASEAN region

World's 10th Largest in Purchasing Power Parity

Top 10 largest emitters of GHG

Program to Accelerate Agrarian Reform/One Map Project

2019-2024, US\$ 200 million

Objectives

Establish clarity on actual land rights and land use at the village level in the target areas.

Locations

10 Provinces in Sumatra, Kalimantan, and Java

Implementing Agencies

1. Ministry of Agrarian Affairs & Spatial Planning / National Land Agency (ATR/BPN)
2. Geospatial Information Agency (BIG)



Program To Accelerate Agrarian Reform/One Map Project



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10 Provinces

- ✓ Sumatra (3 provinces)
- ✓ Kalimantan (4 provinces)
- ✓ Java (3 provinces)

Systematic Land Registration End Target: 7+ million parcels

- ✓ progress: 6.62 million parcels mapped
- ✓ Cost per parcel reduced significantly
- ✓ Total number of Land parcels in Indonesia: 126 million





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Community Participation in Systematic Land Registration

Community members are trained and tasked to become facilitators and collect physical and juridical information



The community members join the surveying process with Land Agency officials and contracted Licensed Surveyors

They are appointed by the Land Agency





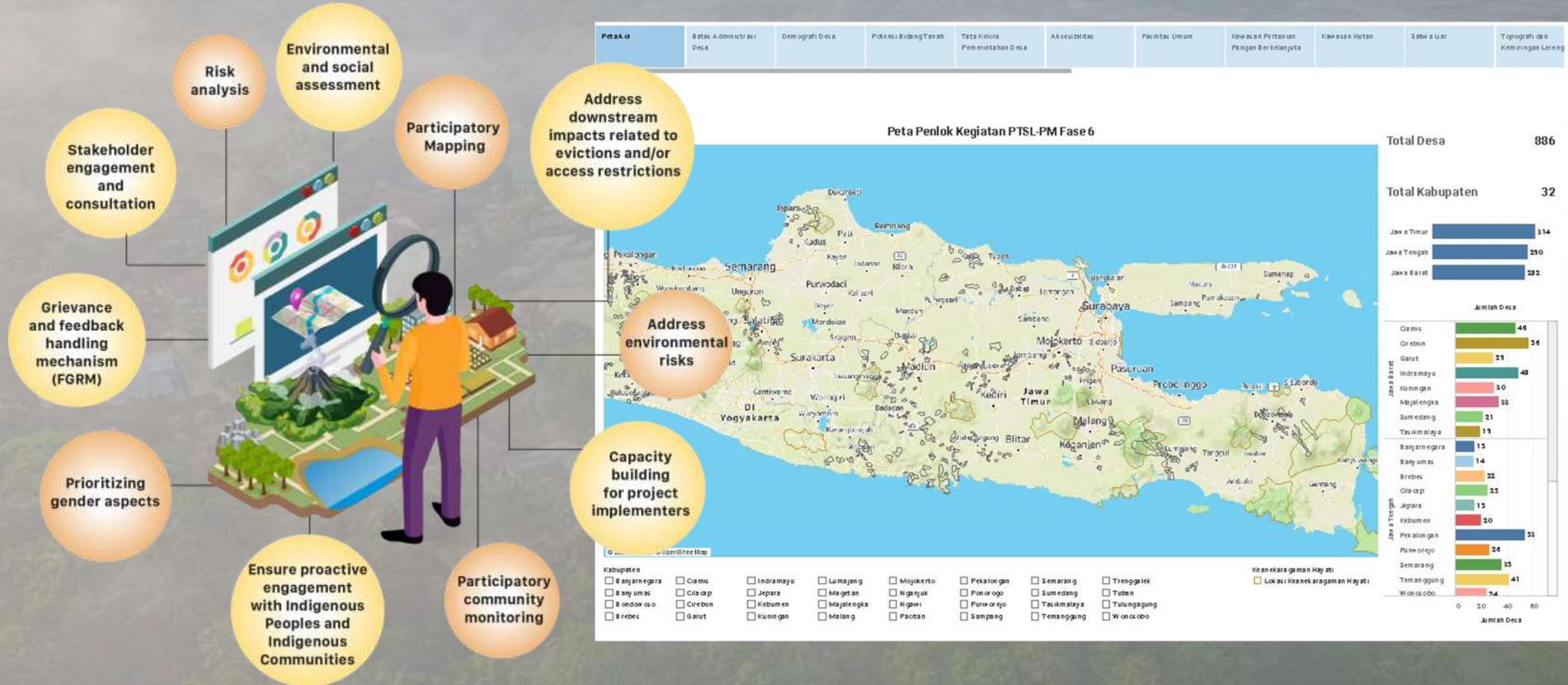
Digital Transformation

- **Development of Electronic Land Administration System (e-Land)**
- **Digital land certificates**
- **Digitization of Land records**
- **Increase in e-services**
- **Enhanced public access to digital cadastre**

Safeguards and risk management



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Pilot: Communal and Customary land rights



Moving Forward



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Integrated Spatial Planning for Climate Resilience

Strengthen the quality of spatial plans to be climate-sensitive in guiding development investments toward a low-carbon and resilient trajectory

Large-Scale Base Maps for Climate Action

Create large-scale base maps of the entire Indonesian territory as underlying data sets for spatial planning, coastal planning, urban planning, forest management planning and property valuation, as well as all land-based climate change actions, disaster risk modeling and responding and land use monitoring.

Climate Responsive Land Tenure

Strengthen land tenure security in target areas and critical landscapes, focusing on Indigenous Peoples and Local Communities (IPLC)

Land Information System and Valuation

Enable the provision of modern land information services through the establishment of a next-generation Land Information System (LIS) in an existing mass valuation to an automated and digital property mass valuation model



ILASP

Integrated Land
Administration and
Spatial Planning
Project



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**Thank
You**