

LAND TENURE SECURITY AND LAND ACCESS FOR CLIMATE GOALS

GLOBAL PROGRAM BY THE WORLD BANK

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FIG Working Week 2024 19-24 May Accra, Ghana

Your World, Our World: Resilient Environment and Sustainable Resource Management for All

Context



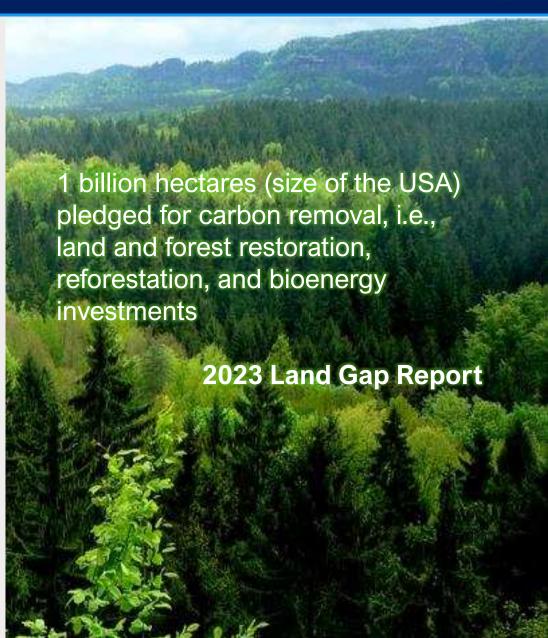
Unprecedented demand for land

Changing land suitability

Climate actions require large land areas Demographic changes increase area needs

Rapid urbanization boosts land use conversion Growing /
aging
populations
trigger
repurposing

Climate and economic factors drive migration Wealth
decreases
household
sizes,
increases area
needs





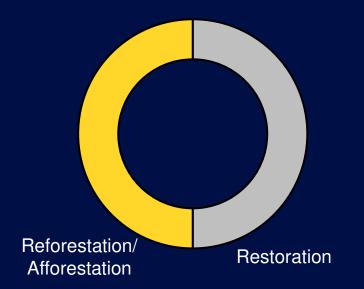
Land and climate action: what do we know so far?

2022/23 Land Gap

1 billion hectares OR

Amount of land that pledges assume can be prioritized for carbon dioxide removal activities

*Based on 141 countries with quantifiable pledges.



50% of pledges related to reforestation and/or afforestation will need land use change

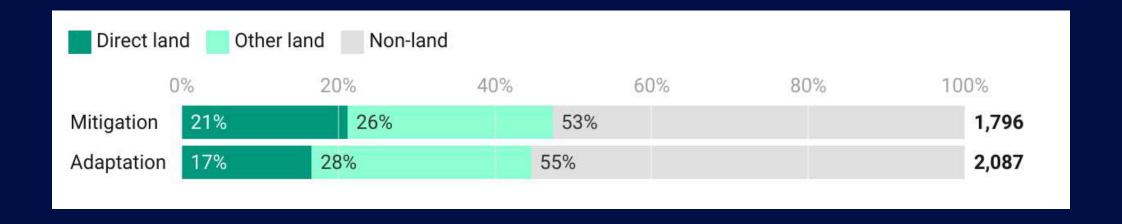
report



Land is <u>critical</u> for meeting the Paris Goals



Almost 1 in 2 climate actions relates to land

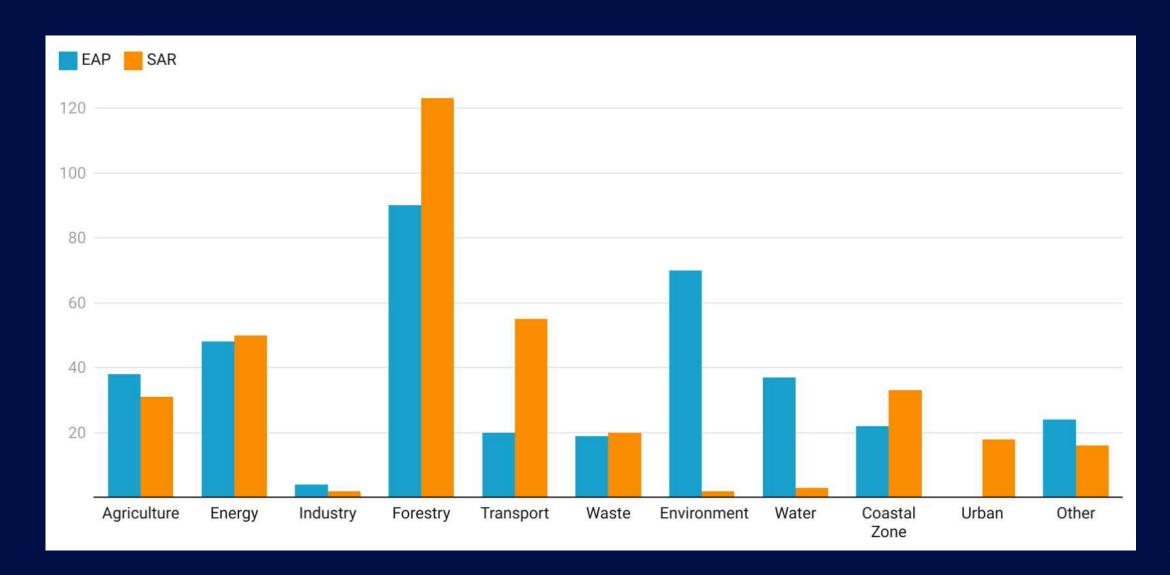




75% of actions needing land relate to 5 sectors



(Forestry, Energy, Transport, Environment, Agriculture, Waste)



Program Introduction





Accelerate global land actions, integral to climate change mitigation and adaptation, and sustainable infrastructure and urban development by:



Increase tenure security, reduce informality



Modernize land registration/cadastre and geospatial systems, improve their reach



Improve management of all lands

- Secure land rights and use rights (private, customary, communal, public and state lands)
- Identify, acquire, plan and allocate lands for climate actions
- Digitize, integrate and automate land administration
- Enhance land planning/permitting, property valuation/taxation, and land value capture
- Improve inventories and management of public lands
- Leverage public lands and assets for climate financing and infra, urban and housing development

Program Objectives



Global Land Tenure Security

laws, registration, and regularization to improve land tenure security of Indigenous Peoples, Local Communities, and public and private owners of forested, rural, and urban areas for SDG 1 (No Poverty) and household-level climate actions.

Women's Land Rights

 To improve women's access to land ownership and control, advancing SDG 5 (Gender Equality) and Stand for Her Land Campaign.

Climate Sensitive Land Use

 To improve regularization, planning and management of urban lands, contributing to SDG 11 (Sustainable Cities and Communities).

Access to Land for Climate Actions

 To improve land administration systems and management of lands to realize bioenergy, afforestation and renewable energy investments and transition away from coal.

WBG Comparative Advantage



Land Portfolio

World's largest land tenure security investment portfolio, US\$ 5 billion

Convening Power

Convening power over a wide range of stakeholders

Impartial broker and source of knowledge, innovation and financing

Project Experience

Ability to prepare and finance largescale projects

Decades of land tenure, administration and management investments

Land 2030

Land 2030 Umbrella Trust Fund (vehicle)

Portfolio May 2024



Operations

53 land lending projects, targets and components of US\$ 4.3 billion

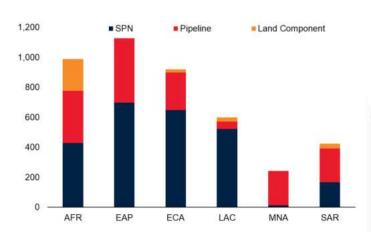
| Region | Volume (US\$ million) | Number | | |
|--------|--------------------------|--------|--|--|
| AFR | 1,111.5 | 18 | | |
| EAP | 1,292.2 | 5 | | |
| ECA | 585.7 | 11 | | |
| LAC | 800.2 | 10 | | |
| MNA | 75.1 | 3 | | |
| SAR | 424.9 | 6 | | |
| Total | 4,289.6 | 53 | | |

^{*} Including SPN, Pipeline and Land Component



Tenure, **farmers**, digitalization, SDI, equality, gender, trading

Project Volume (US\$ million)



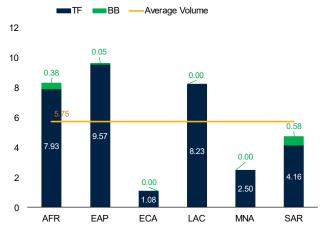
Project Theme (count)



ASAs

38 land ASAs of US\$ 36.7 million

ASAs Volume (US\$ million)



| Region | Volume (US\$ million) | Number |
|--------|--------------------------|--------|
| AFR | 8.3 | 6 |
| EAP | 9.6 | 12 |
| ECA | 1.1 | 4 |
| LAC | 8.2 | 3 |
| MNA | 2.5 | 1 |
| SAR | 7.0 | 12 |
| Total | 36.7 | 38 |

Project Theme (count)





Climate, urban revenues, assets, value, LIS/SDI, land management

Program Focus



Rationale, Target Countries / Cities and Criteria of Selection

Land Use Change

Investments that advance Paris Agreement and COP26 pledges on land use Land sector reforms in large countries that are keys for meeting global Paris Agreement Targets

> Highest Global Impact

Highest Vulnerability

Informality reduction and land management improvement in countries with proportional vulnerabilities and impact Commitment to climate actions as the criteria

Climate Actions

Seed Funding to Catalyze Land Investments Globally





US\$50 million Funding

To support countries in researching, piloting and preparing land tenure security, land administration, and land management investments of scale.



New US\$5 billion financing by the World Bank and partners



500 new urban areas with climate sensitive land use plans



New 100 million people with improved tenure security, 40 million women



20 countries with better land administration and ability to facilitate land access for climate actions

Paris Agreement Alignment



Improvements to land tenure security, land administration and land management, and access to land

- Improve climate mitigation and adaptation abilities
- Facilitate allocation of land for Paris Agreement implementation
- Enhance carbon sinks and community resilience
- Improve ability to protect and manage natural resources





Alignment to SDGs and VGGTs







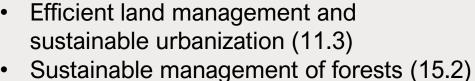








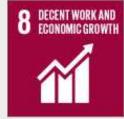




Tenure security (SDG 1.4.2)

Women's property rights (5.a)















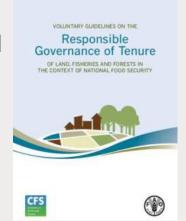








- Recognition of all legitimate rights and use of land
- Formal and informal, private, public, communal, customary ...











Ways to Contribute





Analytics

Land and climate research and communications



Collaboration

Joint efforts to bring countries ready for land investments of scale



Project Development

Bank, Trust Fund and Partner cofinancing for identification and preparation



Investment financing

Investments of Scale on land administration and management

Program Launch





Sample Trajectory -- Indonesia: One Map Project 2018 – 2024



Objective: To establish clarity on actual land rights and land use at the village level in the target areas.

Strong Government Ownership

Advance Agrarian Reform,

Land Administration System

- Enhance land/natural resources management
- Reduce poverty
- Bridge income disparities
- Generate employment opportunities

Project Area and Participatory Mapping (PTSL) Progress





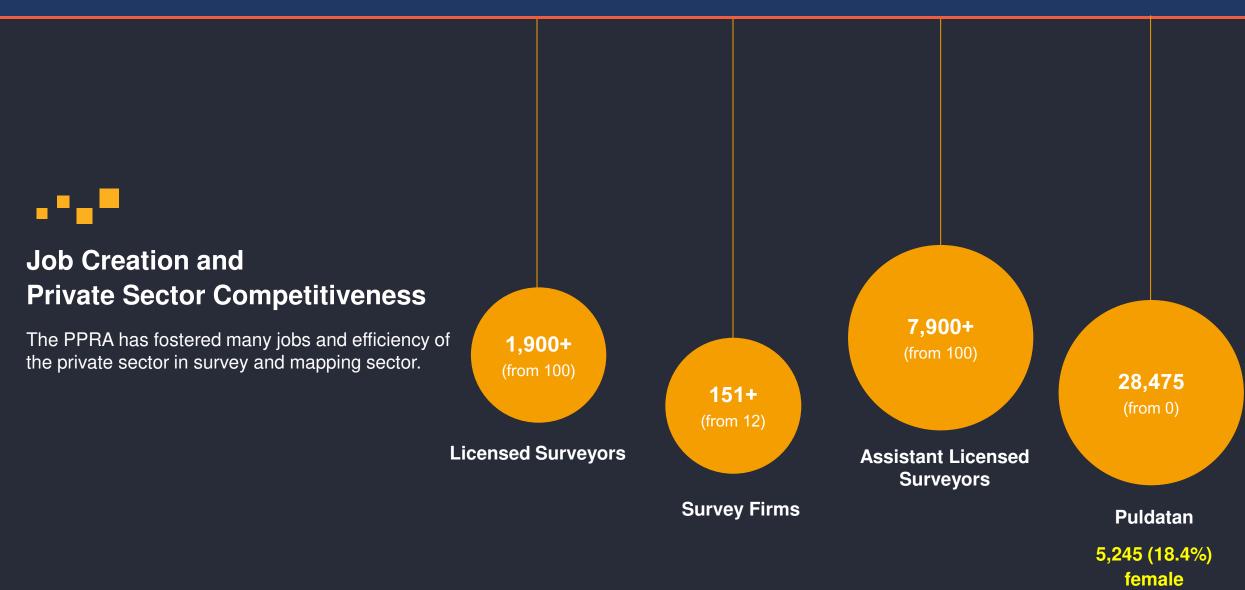
Overall Progress and Extension to Java





Transformational Impact (2)





Next Step: Climate Change and Land Use in Indonesia



Critical Gaps

Sustainable Land Use

Land use change is Indonesia's biggest driver of GHG emissions. Deforestation and fires have accounted for over 35% of Indonesia's emissions (Indonesia CCDR).

Green Investment

Business permitting and licensing have been complicated and lacked transparency, exacerbated by poor spatial data. This situation often leads to land conflict, destruction of HCV, impediments to green investments, and worsened environmental degradation.

Social Inclusion

forest tenure remain insecure, trapping vulnerable communities in poverty and disincentivizing sustainable landscape management.

Solutions



Strengthening spatial planning and land tenure security are key to reduce Indonesia's emissions <u>and</u> implement climate change adaptation measures.

- Direct new agriculture and infrastructure away from high-carbon and sensitive ecosystems
- Urban densification and planning to reduce further encroachment and build resilient cities
 - Clarify tenurial and administrative status of different land functions

Secure land rights for the most vulnerable communities, including indigenous peoples

Integrated Land Administration and Spatial Planning Project (ILASP, US\$653 million)



Objective: to strengthen climate-informed spatial planning, land tenure security and land administration in Indonesia



Component 1

Integrated Spatial Planning

- Detailed spatial Planning (RDTR)
- Regional spatial planning (RTR-KSN)

ATR/BPN



Component 2

Land Tenure

- Comprehensive Land Records
- Adat land rights
- Village Boundary Setting

ATR/BPN, KEMENDAGRI



Component 3

LIS and Valuation

- Land Information System
- Land Value Zone Maps

ATR/BPN



Component 4

Large-Scale Base Maps for Climate Action

- Universal 3D (including height) Imagery and Base Maps
- 3D Thematic Maps (building, utilities, etc.)
- ICT Infrastructure and S/W, Capacity Building

BIG



Component 5

Project Management

- Project Management
- Legal and Regulatory Support
- Institutional Strengthening

All Agencies

| • | Sustainable Urban Development and Economic Growth for Local Governments | |
|---|--|--------------|
| • | Climate Resilience and Environmental Sustainability——————————————————————————————————— | |
| • | Improved Business and Investment Climate | Carrier Hill |

- Disaster Preparedness, Climate Risk Management, Universal SDI for All

Adat Recognition, Communal Lands and Gender Equality

Thank you for listening!



Contact

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Land Tenure Security: Indonesia One Map Project



Engagement

- Program to Accelerate
 Agrarian Reform
- **≣** IP
- \$ 240 million
- July 2018 Oct 2024

BURMA FIETNAM LASS TRAILAND INCONESIA AUSTRALIA

Challenges

- Indonesia aims to register all non-forest land by 2025 through its Agrarian Reform Program (estimated 126 million land parcels).
- Indonesia is also home to thousands of indigenous communities with traditional territories; many are located in state forests.
- 70 percent of project funds was disbursed, while the main target (parcel mapping) was increased by 163 percent.

Prospects / Opportunities

- Project restructuring for no-cost extension.
- Optimizing the utilization of project funds and completing all project targets by October 2025.
- Leveraging the project achievements through the follow-on project to ensure the sustainability and long-term impact of the project.

- 7 million land parcels target for mapping and registration in 10 provinces.
- Participatory mapping approach, involving direct engagement from local communities, particularly women.
- Job creation (7,897 assistance licensed surveyors)
- Proactive support in preparing the follow-on project.











Land Tenure in Forest Areas



Engagement



SLMP Indonesia



PASA

2 million

2016 - 2025



PROGREEN - Regional QIIP - Global



ASA



1.3 million

June 2022 - Dec 2024



Challenges

- Hundreds of millions of people in EAP live in state forest areas without recognized land rights. Many of them are IPs and/or poorest of the poor.
- Land Administration Dualism between land and forest agencies
- Recognizing and formalizing land rights is not sufficient. Needs to be combined with forest protection measures and livelihoods support

Prospects / Opportunities

- Global ASA to assess land access challenges for climate actions - QIIP
- Developing Country Action Plans to recognize land rights in forest areas in Laos, Indonesia and Philippines - PROGREEN
- Forest area tenure component or sub-component in a lending operation by 2025

- Securing tenure in forested landscapes can reduce deforestation up to 75%, but depends on the context, other policies and implementation.
- Strong collaboration between the land and forest agencies, and URL, SSI and ENB required
- Innovative approaches needed to combine land registration, land use planning, forest law enforcement, PES, livelihood development, etc.

| Country | Forest Area of Total Area | Total Population Living in Forest Area |
|-------------|---------------------------------|--|
| Lao PDR | 68 % | 24 % |
| Indonesia | 63 % | 14 % |
| Philippines | 53 % | n/a |

Land Administration System Modernization



Engagement

- Punjab Urban Land Systems
 Enhancement Project (PULSE)
- <u>∷</u> IPF
- \$ 150 million
- Ⅲ Oct 2021 Dec 2026
- Bangladesh Spatial
 Transformation and
 Urbanization Diagnostics
- PASA
 - 0.2 million
 - Mar 2023 Jun 2024



Challenges

- Outdated land records and mouza (cadastral) maps
- Non-availability of formal ownership records
- Manual and limited interlinks between deed registry and land records
- Widespread land litigation and lengthy dispute resolution
- Informal land transactions
- Inefficient land and property taxes

Prospects / Opportunities

- Introduction of comprehensive land records and plot-based digital map first time in Pakistan
- Full integration with deeds registry and land records
- Project development in other Pakistan Provinces (e.g., KP and Sindh)
- Land administration modernization program in Bangladesh

- Digitization, validation and updating land records and production of digital maps
- Fit-for-purpose land registration and subdivision
- Digitization of deeds and interconnection with land records
- Legal and policy support, including alternative dispute resolution
- Integrated land information system and eServices
- Mass land and property valuation





Urban Land Records and Cadastral Mapping



Engagement

Punjab Urban Land Systems
Enhancement Project

IP

150 million

Oct 2021 – Dec 2026

Challenges

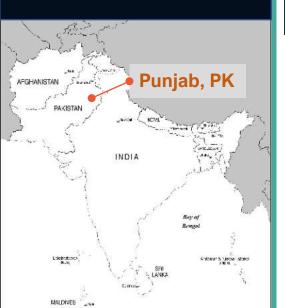
- Land records and maps commonly out of date in peri-urban and urban areas
- Fragmented land records management and no single repository of urban land records
- Lack of easy access to property rights information for development authorities
- No operational mechanism to maintain maps
- Property tax evasion

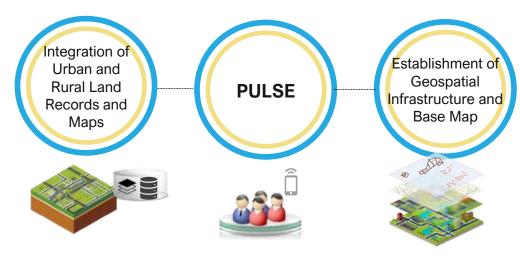
Solutions / Results

- Provision of comprehensive digital land records linked to cadastral maps
- A unified land information system with seamless, cadastral map of all public and private lands
- One-stop shop for citizens to pay stamp duty, register property mutations
- Introduction of semi-automatic mutation
- Interlinking and sharing data with the Taxation
 Department other government departments

Prospects / Opportunities

- Collaboration on strengthening own-source revenue mobilization and enhancement of landrelated taxes
- TA for mass land valuation and pilot
- Land records and maps modernization of urban phase in other provinces
- All SAR countries and most province and local jurisdictions need TA and investments in digital integrated land records, cadastral mapping and valuation





Gender and Land



Engagement

Afghanistan Land
Administration System Project
(P164762)





25 millior



AFGHANISTAN Afghanistan INDIA Ray of Bergel Editor 6 News direct India AARA Comme

Challenges

- Less than 5% of land ownership documents in Afghanistan includes a female name.
- While laws had been established to protect women, a considerable gap remained between what the law promises and what women get
- Most female beneficiaries don't travel far from their house

Prospects / Opportunities

- A post Taliban stock taking exercise is under way.
- The Taliban have expressed interested at the technical level for World Bank support, but gender remains a barrier.
- Lessons from this gender work are transferable to other conservative countries

Solutions / Results

- Under the Occupancy Certificate (OC)
 Program, married men were required to include their wife's names on the OC
- Female help desks established in the field
- 80% of OC had female names





Women with occupancy certificates are more powerful than those without one

male beneficiary of the Occupancy Certificate Program

Revenue Generation: Property Valuation and Taxation



Engagement

Punjab -Integration of Land and Property Records

300,000 (requested)

Jul 2023- Dec 2024

Land Sector Review in Khyber Pakhtunkhwa



PASA



1.3 million



Jan 2023 – Jun 2024



Challenges

- There is a lack of reliance on market values in property valuation for property taxes, asset accounting, and land acquisition results in unfair compensation, delays in land acquisition, and loss of revenues.
- Reforms to property taxes are politically contentious
- Education systems and communication related to valuation needs strengthening

Prospects / Opportunities

- India Punjab Digital seamless cadastral map and land records integrated with property tax data and tools.
- Pakistan KP Province interested in IPF on land administration and public lands management
- Bhutan valuation infrastructure ASA started with the DRM team, and could be replicated in most national, provincial and local jurisdictions of SAR

- Improved stamp duty and property tax revenue valuation, generation and collection
- Expand coverage of revenue records in peri-urban areas
- Linking property transaction information with property taxes, enables checks and balances like taxes must be paid before a house is sold
- Market information well-captured in the system
- **Development of Mass Valuation Systems opening** avenues for value based land and property taxes



Spatial Planning, Indonesia ILASP



Engagement



Integrated Land Administration and Spatial Planning Project (ILASP)



ΙP

653 million



Expected board approval: Q4 FY24



Challenges

- With a lack of up-to-date spatial data and weak coordination around spatial planning, Indonesia has yet to leverage a landscape approach to spatial planning.
- Despite rapid progress with land registration, indigenous peoples' land rights remain insecure.
- Lack of a single reference of land and property valuation; and large-scale maps to support detailed spatial planning.

Prospects / Opportunities

- Integrating spatial planning will enhance sustainable landscape management and DRM, provide livelihoods security for vulnerable communities and sustainably develop its growing economy
- The project brings together Indonesia's Spatial Planning, Forest Management Planning and Village Boundary Setting into interlinked processes with harmonized land use agreements.

Solutions / Results

- ILASP will improve existing spatial plans and create new spatial plans using a landscape approach and incorporate comprehensive land records, mapping and valuation services.
- As a parallel process, Forest Management Plans will be implemented.
- It will support the registration of lands of vulnerable communities, including indigenous peoples.
- Large-scale maps will be generated utilizing fit-forpurpose technologies.

Integrated Spatial Planning

