





Demand for Land Increases Globally



Demography

Population Growth: 3B (1960) → **7.6B (2018)** → **10B** (**2050)** need infrastructure and homes.

Increasing consumption requires more land (food, energy, minerals).

Ageing and declining populations trigger repurposing.



Urbanization and Rising Incomes

Urban population: 55% (2018) → 66% (2050).

Cities expand (decreasing densities, habitant increase).

Wealth and evolving lifestyles consume more space (smaller household sizes).



Energy, Infrastructure and Mining Investments

The energy transition depends on land (for renewables production, carbon sinks).

Infrastructure takes land (roads, transmission lines, sanitation systems).

Mining of critical minerals goes under land.



Scarcity and Risks

Available and suitable lands become scarce.

Unregulated development threatens livability, biodiversity and climate.

Fear of eviction from land raises globally (23% of adults).

Risk is proportional for informal, customary and female landholders.





Land Powers Development

- Land is a key production factor
- · Land market directs land to productive use
- Secure property rights unlock capital
- · Women's land rights demarginalize, empower and create jobs
- Indigenous Peoples' land rights conserve biodiversity and critical minerals while enabling benefit sharing
- Land tenure security and inclusive land assembly ensure responsible land access for investment
- Public land management unlocks the last major land resource, easing land scarcity and enabling investment
- Secure rights, planning, pooling, permitting, and value capture form the recipe for livable cities
- Livable cities generate jobs and investment while safeguarding land, resources, and the environment
- Open geospatial data fuels start-ups and job creation in location-based services and spatial analytics.



WBG Land Program

WBG Land Portfolio and Ambition



Lending portfolio of \$2.9 bn, \$2.0 bn in developing pipeline



\$40 mn in analytics and technical assistance



46 states and cities







Seeking partnerships and external funding to increase WBG financing and impact on land

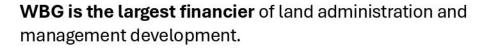




Global partnerships with UN, donor, CSO and professional organizations



Biannual host of the globe's most prominent land event

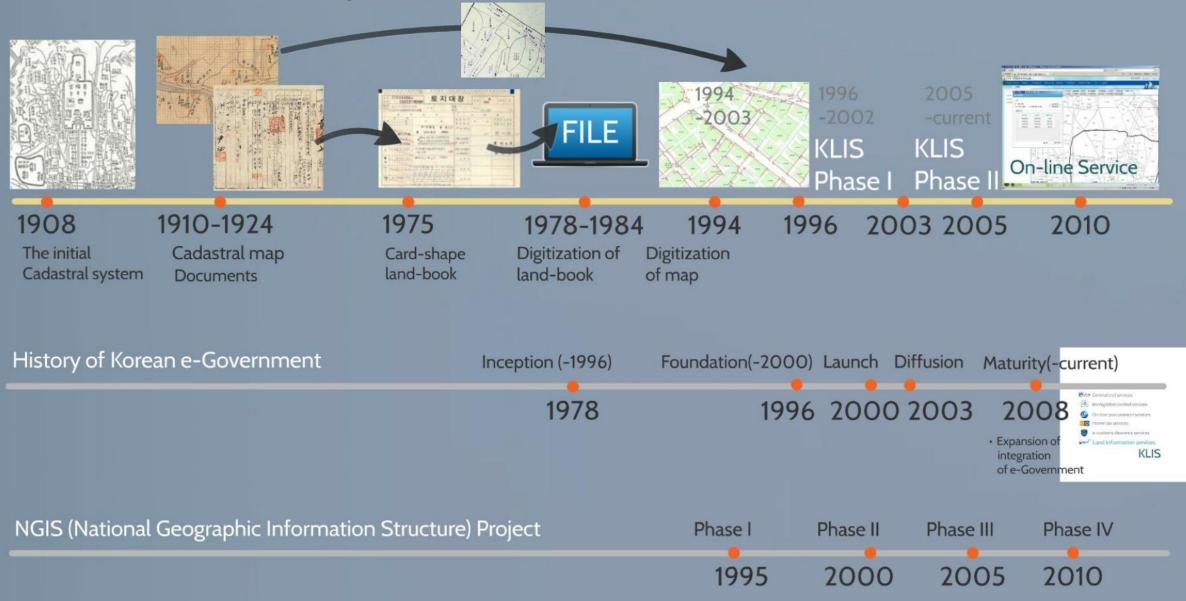


Demand for program expansion is high in all regions.

Support needed for developing programs of scale, investment ready for WBG and partner financing.

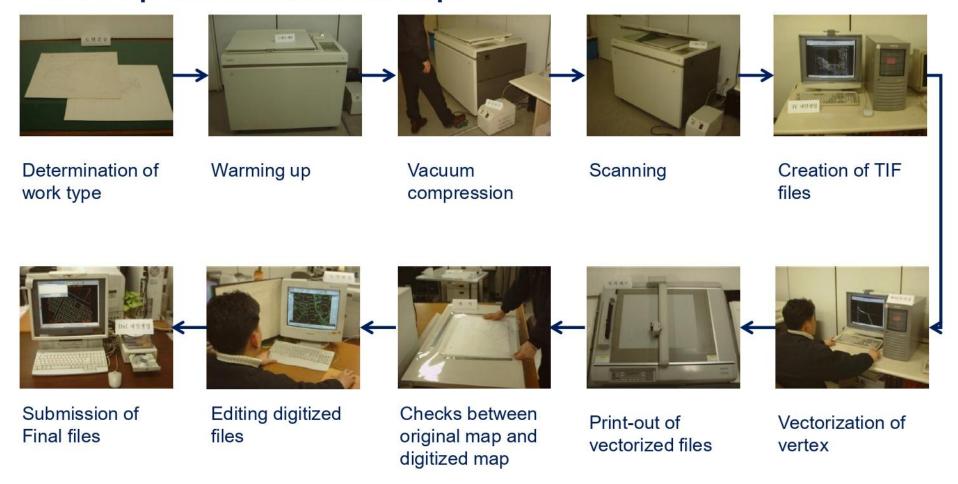


History of KLIS and e-Government in Korea



Digitization of Cadastral Maps

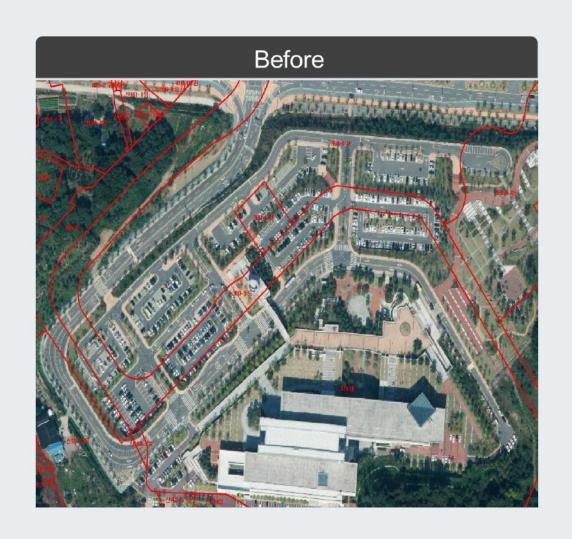
For well-preserved cadastral maps







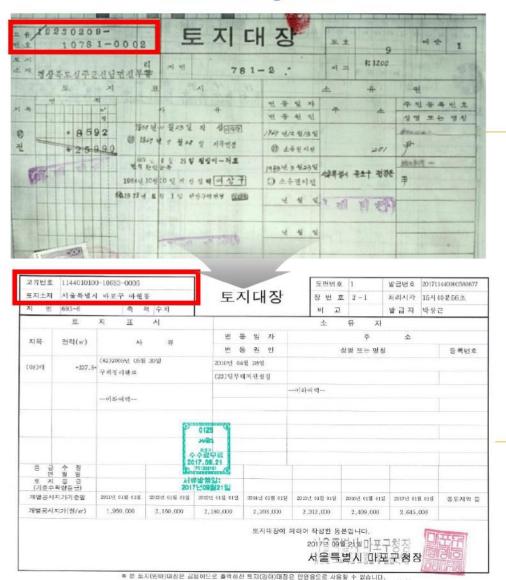
Improving Digital Mapping



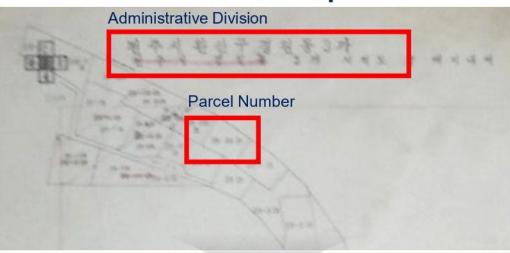


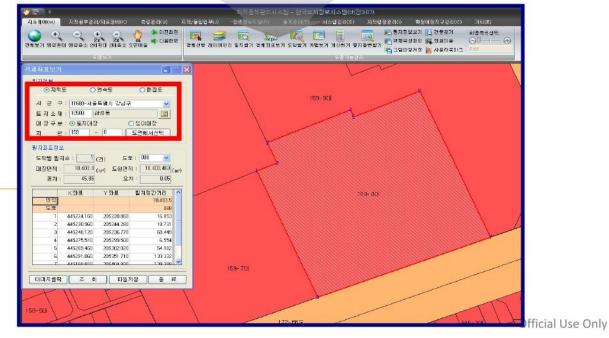
Interlinking Land Records and Mapping

Land Register



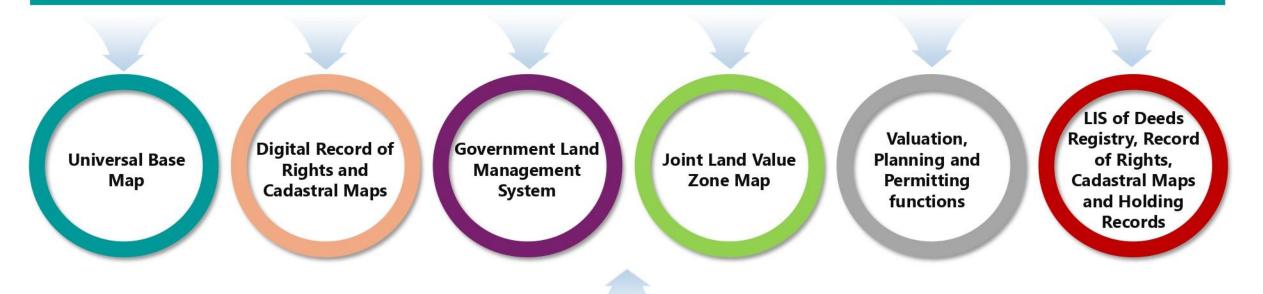
Cadastral Map





Land Administration Modernization Template

The objective is that State has a modern, integrated and comprehensive land administration system of:



Improved policy, regulatory and institutional framework, and capacities and working conditions

Urban Systems for Land Access

Pakistan

Punjab Urban Land Systems Enhancement Project (PULSE)

PDO

To support the Government of Punjab with: (i) improved land records; and (ii) identification of land for development, including land for housing programs.

Financing Amount (US\$)

US\$ 150 million

Timeline

March 2022 - June 2027





Indonesia: Integrated Land Administration and Spatial Planning Project (ILASP)

PDO 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 (RTRW)

ATR/BPN



Component 2

Land Tenure

- Comprehensive Land Records
- Indigenous Land Rights
- Village Boundary Setting

ATR/BPN, MOHA



Component 3

LIS and Valuation

- Integrated LIS and Supporting Systems
- Quality Improvement of Cadastral Thematic Maps (PTPR)
- Land Value Zone Map

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

Geospatial Information
Agency (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

Disaster Preparedness, Climate Risk Management, Universal SDI for All

Adat Recognition, Communal Lands and Gender Equality

The World Bank's Land4Climate Global Program



'A global program financing to ensure secure tenure and access to land for climate change mitigation and adaptation'

Global Land Tenure Security

Women's Land Rights

Climate Sensitive Land Use

Access to Land for Climate Actions

- Land policies, laws, registration, and regularization to improve land tenure security of Indigenous Peoples, Local Communities, and public and private owners.
- To improve women's access to land ownership and control.
- Regularization, planning and management of urban lands.
- Land administration systems and management of lands to realize bioenergy, afforestation and renewable energy investments and transition away from coal.

DIGITAL LAND AND URBAN SYSTEMS



Diagnostics for Investment Planning?

Rights, Assets, Values, Revenue, Services Land Use Plans, Permits, Construction Digital Twins, 3D Land Records Real Time Information Flows

Joint Geospatial Platform, and Integrated Land, Cadastral and Building Records





Land Tenure Security Program Ambition

WBG – Land Partnership Objective: Support countries and cities to improve readiness for WBG financing of scale and achieving full land record coverage

1 Land Rights Program (tbd)

- Scale of ambition: Improve xxx million land rights across xx countries
- **Systemic impact:** Modernize land rules and systems; regulate tenure; enable trade, taxation, planning, and development
- Financing goal: Elevate the World Bank's land program to \$US xx bn
- Indigenous & communal rights: Secure IPLC lands in xxx priority landscapes
- **Economic returns:** Unlock \$US xx bn in capital, \$US xx bn in revenue, and create xxx mn jobs
- Climate & biodiversity: Protect xx critical biodiversity areas
- Human development: Benefit xxx million men, women, communities, and businesses

Partnership Opportunities and Targets

- **Core partnerships:** Grants collaboration to scale-up land investment coverage to new countries
- Thematic partnerships: Grants collaboration to advance core themes incl women's land rights, IPLC lands and urban land systems
- Advisory network: xxx countries, institutions, and global groups





Thanks