

This is not an ADB material. The views expressed in this document are the views of the author/s and/or their organizations and do not necessarily reflect the views or policies of the Asian Development Bank, or its Board of Governors, or the governments they represent. ADB does not guarantee the accuracy and/or completeness of the material's contents, and accepts no responsibility for any direct or indirect consequence of their use or reliance, whether wholly or partially. Please feel free to contact the authors directly should you have queries.

ADB workshop

Spatial information ODA Case Study from Korean Government [Lao PDR]

7 November, 2024

LX





Project Overview



Project Implementation



Future Plan

Project Overview

1. Project Overview

• The project for the strengthening capability on the establishment and utilization of land information infrastructure in Lao PDR

Beneficiary Department

• Department of Land under the Ministry of Natural Resource and Environment

Project Budget

4.48 billion won (3.45 million USD)

Project Period

2020. 06. 26. ~ 2024. 06. 15. (38 months)

Project Components

① Policy and Regulations Development

- Land registration regulation and management guidelines
- Regulation and working manuals related to land survey
- Land tax and commission regulation
- Basis of land information sharing system

② Land Database Construction

- Collect and compile existing land-related analog data to digital form
- Digital cadastral mapping based on high resolution aerial image
- $\circ\,$ Input each parcel information and attributes into $\,$ LaoLandReg $\,$

3 Land Information Integration and Portal Service Construction

- Integrate land information database
- Collect and update land information
- $\circ\,$ Construct land information portal service for $\,$ sharing and utilization $\,$

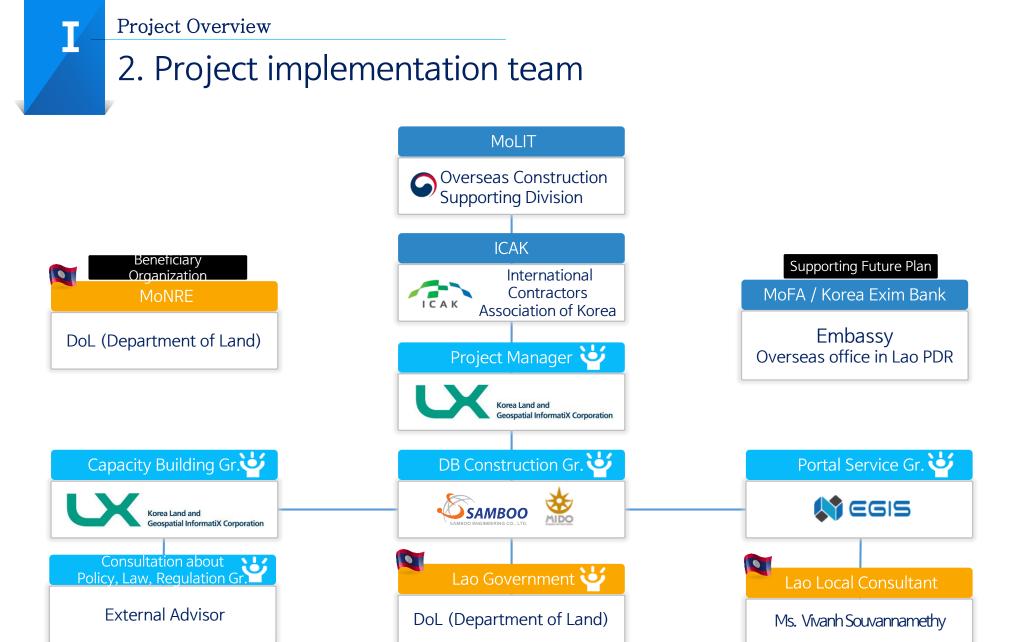
④ Capacity building

 $\circ\,$ Conduct ToT (Training of trainer) program to enhance the $\,$ capability of land

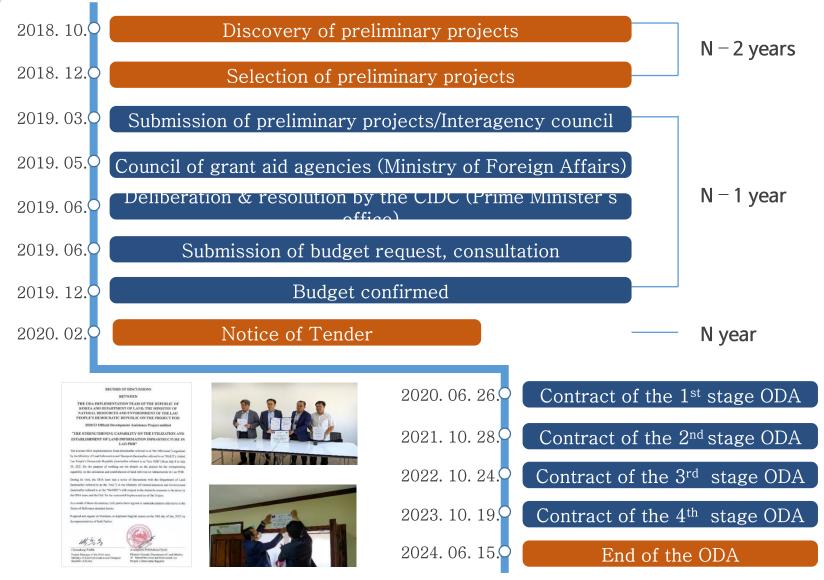
information management up to district level

 $\circ\,$ Conduct capacity-building training (invitation training) to Korea for managing

and working level of government officials



Project implementation 1. ODA Procedure & Milestones



The project for the strengthening capability on the establishment and utilization of land information infrastructure in Lee PDP

2. Policy and Regulations Development

Sub-Components

1. Land registration & management work guidelines

- Investigation and analysis of laws related to land registration
- ② Establishment of a simplification plan for land registration and ownership issuance procedures
- ③ Establishment of standards and guidelines for land registration and management

Lond registration and management work guide
 Guidelines related to land surveying

- 1 Analysis of land survey-related legal systems and work manuals
- ② Improve the tolerance level considering the observation equipment
- ③ Establishment of standard work guidelines
- ④ Preparation of detailed guidelines for land boundary

determination

The project for the strengthening capability on the establishment and utilization of land information infrastructure in Lee PDP

3. Regulations related to land tax & fees

- Assess the adequacy of land taxes and fees and prepare improvements
- ② Evaluate registration tax adequacy and suggest improvement
- 3 Establishment of regulations related to land tax and fee

4. Basis of land information sharing system

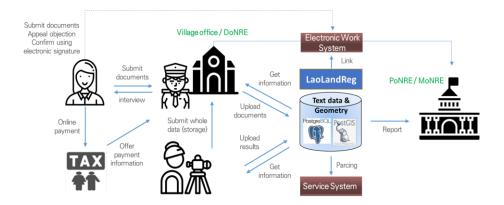
- Review of linkage between government departments and joint utilization of land information
- 2 Securing a legal basis for sharing land information
- ③ Preparation of guidelines for land information sharing system

2. Policy and Regulations Development

Land registration & management work guideline

Strategy for Accelerating Land Registration &

- Improve work efficiency through digitalization of all landrelated information
- Perform all land registration procedures using systems that are linked with LaoLandReg
- [Future plan] Add public service, surveying data verification, and calculation to the system



Revisions

Div.	Key points of revisions	Expected improvement of work efficiency
Adjudication	 Enter all obtained land-related information into LaoLandReg Check information using LaoLandReg and prepare a status report If information that differs from what was previously registered in LanLandReg, specify history of revisions and corrections for systematic management 	 If land-related information is registered in LaoLandReg, land officials can check the current status. Thus, adjudication can be completed within 10 days
Surveying	 Store all raw data and processing results, and submit them to village office Enter final surveying results as well as processing report into LanLandReg 	 Make a surveying plan using the information in LaoLandReg Through GNSS or total station surveying, measurement and processing can be completed within 5 days
Administrativ e tasks	 Report and approve all land registration work through the online work system Assign permission to land officials to enhance the management of land information and its security Adopt electronic signature to confirm land registration work in the online work system 	 Improve overall work speed through online work system
establishment	and utilization of land information infrastructure 7	- Improve manpower efficiency (multiple officials can

2. Policy and Regulations Development

Guidelines related to land surveying

Strategy for Improving Land Surveying

• Surveying procedures (Total station, GNSS,

Drones) Surveying equipment _	Preparation for surveying & Occupation Preparation provident	Observation & Calculation	Creation & Surveying
 Minimum specification of 	surveying -	Methods for observation and calculation,	Items that must be included in
equipment	The ways to conduct reconnaissance surveying	standards for verifying -	Procedures for
 Maintenance method for equipment 	Occupation of surveying point	surveying result, criteria for re-surveying	inspecting and printing surveying results
Dovisiona			ICSUILS

- Suggestion of adjustment of error criteria
 - If considering only surveying equipment applied in Lao PDR, the error criteria could be quite satisfied

- However, surveying infrastructure is still under construction (not enough compared to Korea, Japan, USA, etc.),

therefore, additional conditions to improve reliability of surveying are necessary
Suggestion of detailed land boundary determination standards considering architecture, road, and natural features in Lao PDR

• Suggestion of detailed procedures including resolving entity, deadline, and reporting resolved results by benchmarking Vietnam

Revisions

Div.	Key points of revisions			
Detailed procedures for each surveying method	 Refine detailed procedures for each surveying method (total station, GNSS, drone) in order of equipment, preparation, observation and calculation, and creation and check of surveying results Improve reliability of surveying by expressing compliance in observation, calculation, and re-surveying 			
Improvement of error criteria	 Refine surveying error criteria for each surveying method (in the case of drone surveying, error criteria were newly suggested) Considering current infrastructure, add the way to improve the reliability of surveying such as the number of observation 			
Management of surveying results	 To ensure consistency to the strategy for land registration, all surveying data (raw, calculated results and reports) should be stored in digitalized form 			
Standards for determination of land boundary	 Following the land law, include the basic principle to determine land boundary Suggest detailed standards for land boundary determination considering artificial features (architecture, road, etc.) and natural features 			
The way to resolve land - Suggest detailed procedures with the roles of entity to resolve land boundary disputes The proint and utilization of land information infrastructure in Lee RDR				

2. Policy and Regulations Development

Regulations related to land tax & fees

Strategy for Improving Land I ax

Purpose This Act aims to promote equity in tax burdens and contribute							
Land Possession	 Purpose: This Act aims to promote equity in tax burdens and contribute to the efficient generation of financial income by appropriately taxing land possession and usage. This Act stipulates the conditions for taxation, imposition, collection, and other necessary aspects of the land possession tax. 						
Tax Act	 Contents: taxation subject, object of taxation and the basic date of taxation, tax payment obligor, non-taxation, statutory standard price of fair market value of land, etc., assessment standard tax base, tax rate and 						
Land Transfer Income Tax	assessment standard tax base on capital gains, tax amount calculated on capital gains, etc.						
Land Acquisition	 Purpose : This Act aims to promote equity in tax burdens and contribute to the smooth procurement of financial income by appropriately taxing income from the transfer of land. This Act prescribes the tax requisition, reporting, payment, and other necessary matters for land capital gains tax. Contents : taxation subject, scope of capital gains, tax payment obligor, 						
Tax	 Contents: taxation subject, scope of capital gains, tax payment obligor, transfer value, amount of capital gains, basic deduction on capital gains, assessment standard tax base on capital gains, tax amount calculated on capital gains, etc. 						

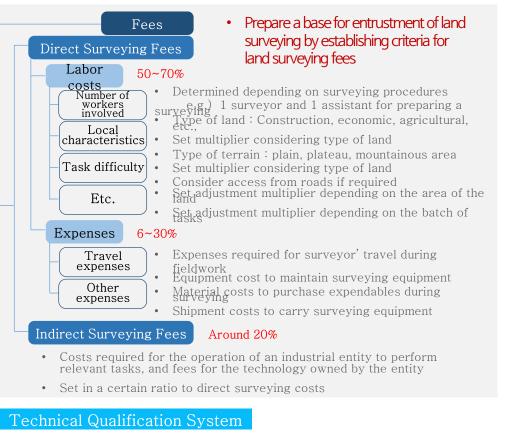
Task Entrustment System

Select a company by qualified bidding method, Standard to evaluate the quality

Land Evaluation System

- Evaluate the price of land for imposition land tax
- Considering the characteristics of land, the relative worth of land is allocated in •

The project por the strengthening capability on the establishment and utilization of land information infrastructure In I as DDD



- Evaluate the personal skills of engineers who perform entrusted surveying
- · Adopt qualification exams and categorize engineers into different levels
- The way to apply qualification exam

9

2. Policy and Regulations Development

Basis of land information sharing system

Strategy for Sharing of Land Information

establishment an (Intiligation cotiland information optrasteur two uests

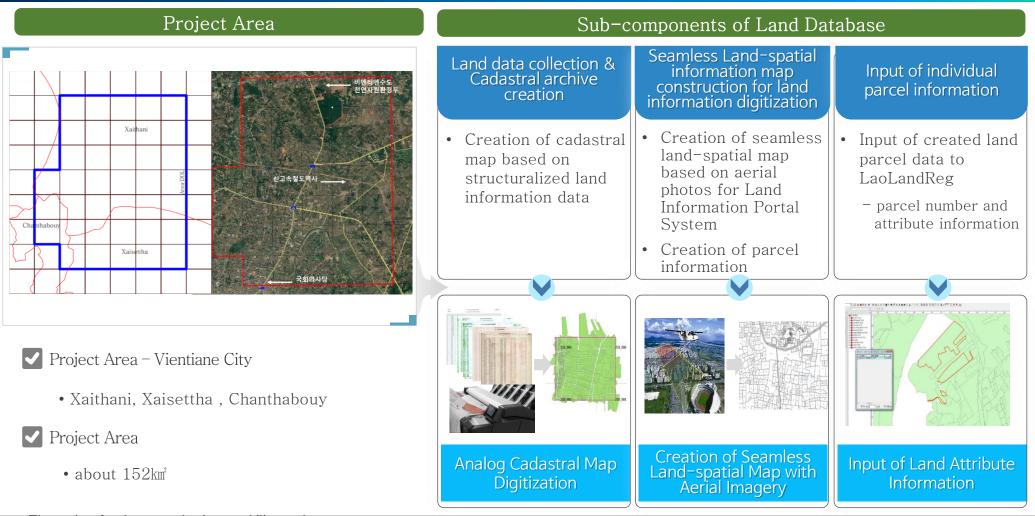
 Share land information centered on LaoLandReg developed by MoNRE, and the practical task of managing and combining land information is performed by DoL

	Legal Provisions	Organization (co	uncil)		System		
•	Add provision to law Ex) Use LaoLandReg to check the land information for the land use planning	 Organize official council Ex) working council, National Spatial Information Utilization Agreement 	n Joint	by dif	pine or link each systems ference government/local nment/public institutes		
Operation	of the National Land Information Co	ommission	Managen	ient and S	Service Platform for I Sharing	Land Infor	mation
Div.	Composition and Op	peration		PI	atform for Land Information Shar	ing	
National Land Information Committee	 Role : Discuss and Determine land informatic inter-ministerial cooperation Composition : Minister of NRE (Chairman), director in charge of land information-related member) Operation of the committee : [Regular meetin [Irregular meeting] when urgent decision is 	Inter-departm LUIS • Register land use (parcel and region LIPS • Manage land prior	e info. n) Bidirectic <i>Link</i>	• Land information Otter	Land re Issue la Check s res Analyze	vices gistration nd titles urveying ults based on info. :	
Working Council	I – Composition: Director of Land of MoNRE (Chairman)			ion info.	Report and approve land-related administrative task		

10

3. Land Database Construction

Project target area & sub-components



11

The project for the strengthening capability on the establishment and utilization of land information infrastructure

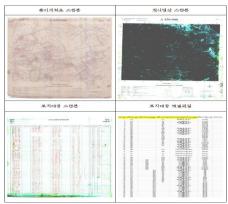
3. Land Database Construction

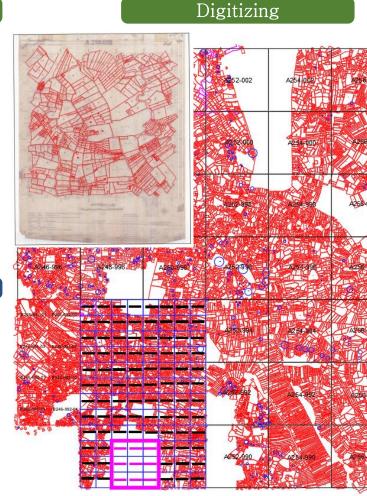
Land data collection & Cadastral archive creation, Input of individual parcel information

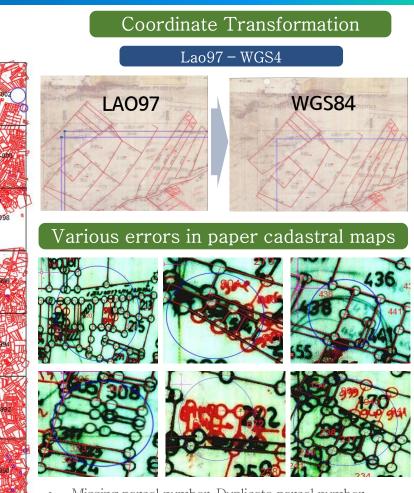
Cadastral data from DoL

Cadastral map Index 1/4.000 A210-00 4km² x 30 total 120km² 1/2,000 A240-000 A250-000 A252-000 A254-000 1km² x 8 total 8km² 1/1,000 A250-10 A254-03 A248-998 0.25km x 87 total 21.75km NO DATA 4212-00 A246-501 A210-998 A254 004 A255-99 total 2.25kr TOTAL A254-99 A255-99 152km A254-060 A256-032









- Missing parcel number, Duplicate parcel number
- Impossible to visually determine, Adjacency mismatch

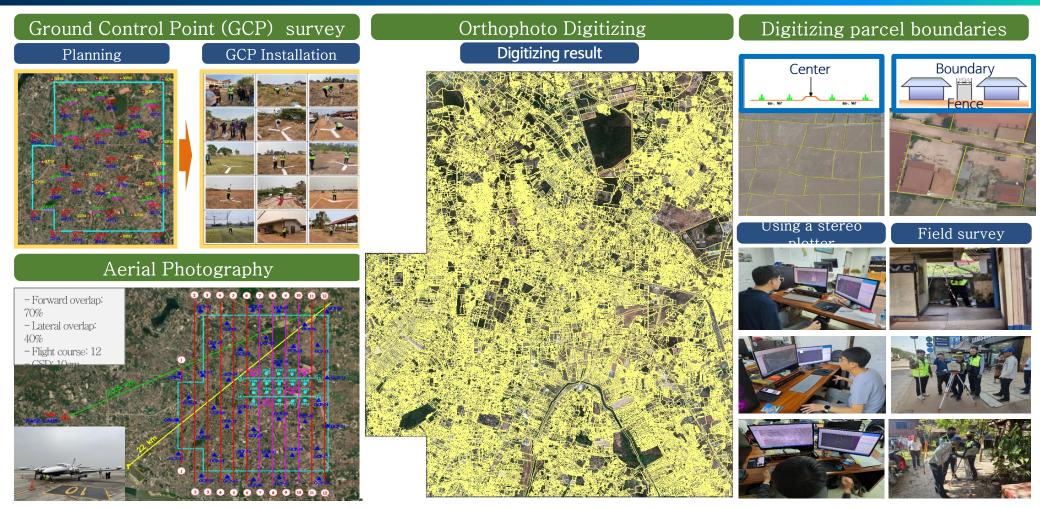
The project for the strengthening capability on the establishment and utilization of land information infrastructure in Lee PDP

Pr Pr

Project implementation

3. Land Database Construction

Seamless Land-spatial information map construction for land information digitization



The project for the strengthening capability on the establishment and utilization of land information infrastructure in Lee PDP Project status

3. Land Database Construction

Seamless Land-spatial information map construction for land information digitization

Comparison between existing cadastral archive and cadastral maps constructed from aerial photographs



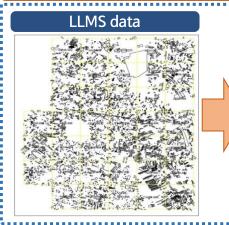
- Location difference: Location difference occurs with existing cadastral map
- Topographic changes: New buildings and roads are created, changes because construction

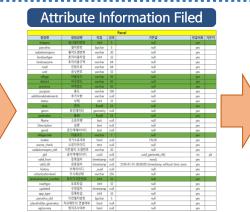
Analog Cadastral Map Digitization Digitization by Orthophoto Project status

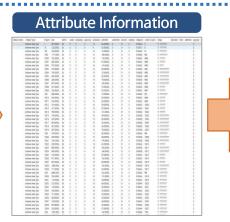
3. Land Database Construction

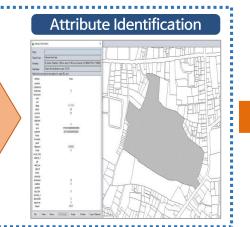
Input of individual parcel information

LaoLandReg attribute input

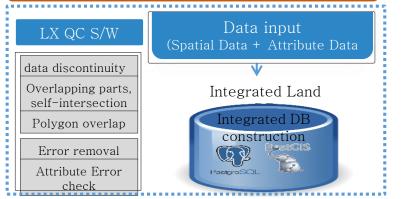








Data inspection



Delivery & Completion

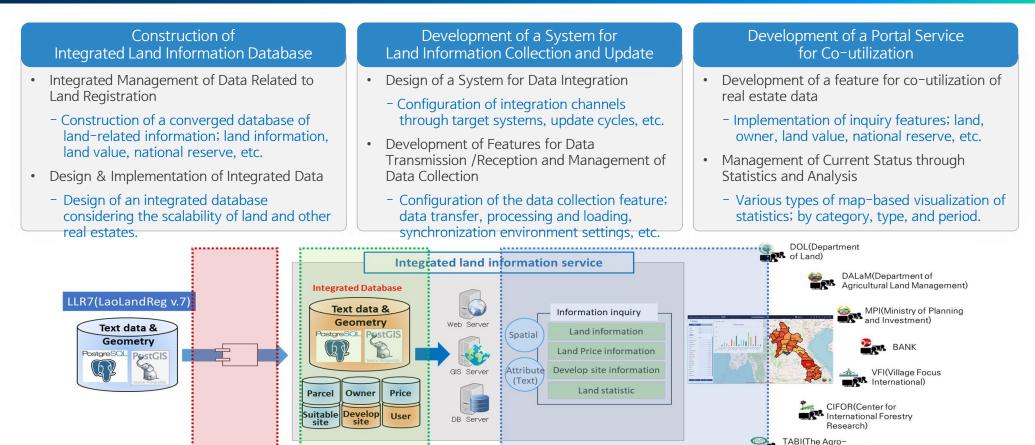
Filed information input & saving

- Quality control software inspection and quality assurance
- Parcels created from continuous digital spatial information maps
- Register for land information portal service
- Data registration in LaoLandReg

The project for the strengthening capability on the establishment and utilization of land information infrastructure in Lao PDP

4. Integrated Land Information Management and Portal Service

Sub-components



The project for the strengthening capability on the establishment and utilization of land information infrastructure in Lee PDP

Land Information

Collection and

Update

Portal service

for co-utilization

.....

Integrated Database

Construction

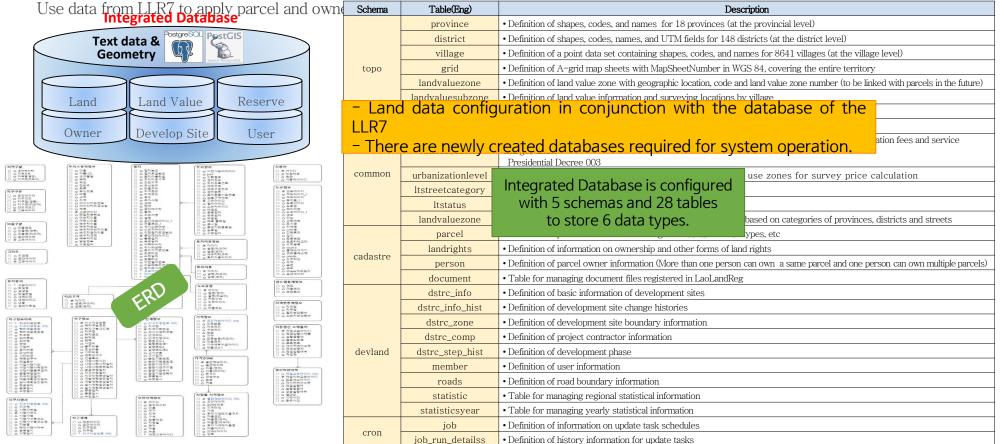
Biodiversity Initiative)

Project implementation

4. Integrated Land Information Management and Portal Service

Content on the Construction of Integrated Database for Land Information

Tables by schema are designed to enable integrated management of land-related information and considering future schema addition and expansion.



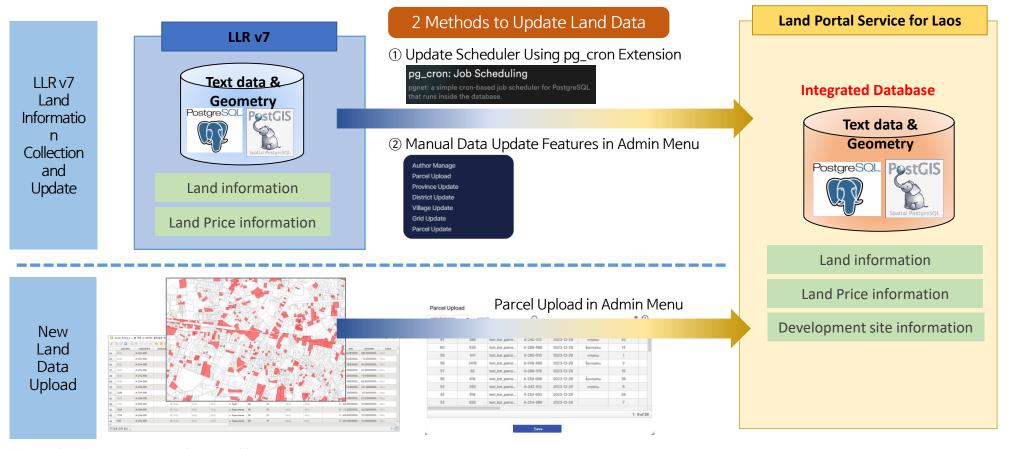
17

The project for the strengthening capability on the establishment and utilization of land information infrastructure in Lee DDD

Project implementation 4. Integrated Land Information Management and Portal Service

Content on the Development of a System for Land Information Collection and Update

Land information collection and update system is composed of updating land information by connecting to LLR v7 (LaoLandReg v7) and uploading newly constructed parcel data to the integrated database.

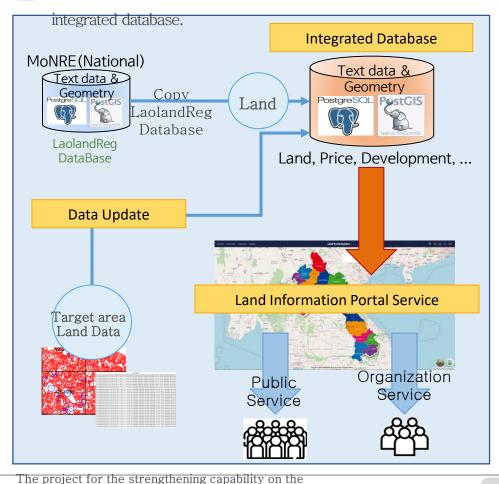


The project for the strengthening capability on the establishment and utilization of land information infrastructure in Lac PDP

4. Integrated Land Information Management and Portal Service

Content on the Development of Portal Service for Co-utilization

Development of Portal Service for web-based land information co-utilization allowing for the inquiry of land-related information through



establishment and utilization of land information infrastructure

in Lee DDD

and Info Land Vi					Land Port	al System Maine		🐣 Hello, dev	E \$ \$ 8 8 8 8 6
 Land Infor 	rmation	Parcel Infomation			Parcel Owner		*11 - HER-	an and	Comp Anton 7
Search			1		Person		LAB	2 martin	The State The Art State
Server	LaoLandReg(v7) -	Parcel			Title		DAN BAR	1 2 2	Then the Desire
Province	02 Phongsaily -	Parceline	1		Title	(44)		2 Lynn	- 100 - 10 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
District	01 Pitongsaly .	Old Parcel no			Sumare	 uneleo Augus un Rucol Pogos 	and A	The second secon	Their Reguyders
Mage	A8 -	Cardentre map no	A-192-420	- 1	Date of Birth	* Unit Bound Boracce 06/04/1968	- P 2	2 2	to Hange Long
dapphent	mapsheet search Q	Okl Cadastre map no	6-192-929		Nationality		Louangantha	5 Ym	m the the
		Land use type	Game -		Occupation	ana sigefie		5 7 50	> and headler man
larcel No	parcelvo search Q	Main geographical zone	Lucinie -		lideardina	state	Bokeo	Dudomxa Bouapha	in the home
itter	Cadastre Owner	Urbanization inval	onalos		Dateidcant		and The	Louingphabaug	Tien thorp
		Land Value Zone Number	dumpi		Daterdoard Gov. workplace		colours for	2 5	2
Land	Parcels : 555	State land			Family book no	032	m m	Xien khouang	1
		Road Type	mateodradus				and the state of the second	1 mm	C menun
A-192-420	٢	Purpose	Allegendame.		Father name Mother name	aha deareu (m)	A second s	Xaighabouly avsombore	2m
Parcel No : 1	1 00	Status				ung Built		Vientiane	and the second
Owner: yum	nino Boqeus-+ ory Board	Acra	51.940		Spouse name		1 1 2 2 2 5	Inde	Bolikhantxai
		Area Survey Owner			Spouse Date of birth	19/08/1970	3	- Aunitalia	VM
A-196-396		Survey Owner Province	sho quastano buquut drand		Spouse Father name	sha inini kewili (n)	C Andresson .	9 2	4 - 1
A-198-396					Spouse Mother name	ung stanjih danasili	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	Comments	Khammouan Month
		District	freed		Spouse Nationality	100	wine to a lot	and manufactures and and	mans Y
A-198-398		Village			Spouse Occupation	nasta	Dan Spinnington	Mr. Coller	hund
A-196-400	1	UNI			Address		moofun	De la Laking	Savannakhet
A-200-394		Rue	mjeco		HULTESS		. K	Personalia	Satalinakier S
					Province	depend	CAL Indiana	A A	
A-200-396					District	dynd	and an and a second second	Prover 1 1	Salavan
A-200-398					Village	anond	The state	Nº 8 TRAS	and the
A-200-400					Unit	107	Bank Break		2 mg
A-200-400					Street	01950344	2.51 - 4	(and a superior of the second of the	manuel man
A-200-402					House no		and his state of the	Part II	champonak
A-202-396							aparterior and	and the second	

	Menu Feature		Description
	I and Info	Parcel Information	•Inquire basic information of parcels
	Land Info	Owner Information	•Inquire information of the parcel owners
		Land Value by Zone	•Inquire land value by value zone (min/max)
	Land Value	Land Value by Village	•Inquire land value by village, categorized into 4 levels
	Desclassing	Development Site	•Inquire information of development sites
	Development Site	Project Contractors	 Inquire information of development project contractors
	State Land Reserve	National Reserves	•Inquire information of national reserves
		Regional Statistics	•Inquire regional statistics of land registration (Table/Graph)
19	Statistics	Yearly Statistics	•Inquire yearly statistics of land registration (Table/Graph)
19		Map-based	•Visualize statistical information on the map

5. Capacity Building

Dispatch of Korean Experts

qov.)

× ⊥

	Period: 18 Jul. 2022. ~ 12 Aug. (4weeks)
	Trainee: DoL staff (31 from local & centra

Place: Polytechnic University

QGIS practice	Necessity of geo-spatial information Understanding of QGIS DB & coordinate system Practicing vector data using QGIS, etc.
Remote sensing	Introduction to RS & Photogrammetry basic theory Work process of RS & Photogrammetry

Cadastral
surveyComputerization process of Korean cadasterFunctional description of Total station & LandyGo
practice



✓ Conduct post-satisfaction survey

- Survey item
 - Content, composition, communication, practice, time, relevance, facilities, goods, participation in future training
 - Highest score: willingness to participate in future training



5. Capacity Building

Invitational training (High-level)



- Period : 3 Apr. 2023. ~ 7 Apr. (1week) Target : High level official from DoL
- Place : LX Global Center (Seoul



NGI

Smart Seoul Exhibition Hall Korea Territorial Development Exhibition Hall Site visit to land & spatial related

^{3rd} stage interim report llow up project discussion

Workshop

 \checkmark Cases sharing of Korean Land & Spatial policies \checkmark

Status of Korea land information & computerization History of Land Administration System (KLIS & KRAS)

Demonstration of S-map, Seoul Real Estate

View Korea Land Appraisal & Land Tax Property Tax & Comprehensive real estate tax Taxation characteristics & Political issues Sharing solutions to institutional issues

e-Government linked to Land information in Korea

History of each stage for Korea e-government Success factors of e-government

Multi-ministerial linked project

V Introduction to constructing spatial information infra.

Explanation of the Integrated platform for Land Use Information

Background & Results of Land Use Information System Sharing the 4th National Land Use Information System Cont. Plan

Korea type address information system

Roles of Ministry of the Interior and Safety Status of on-going Address system Classification & management of Address system

Sharing experience of establishment for LX Digital Twin

Background, Pros & cons of LX platform Demonstration the platform services & functions





The project for the strengthening capability on the establishment and utilization of land information infrastructure in Lee PDP

5. Capacity Building

Invitational training (Working-level)



- Period : 22 May 2023. ~ 3 Jun. (2weeks) Target : Working level from DoL(15)
- Place : LX Global Center (Seoul KOREA)

Spatial Inf. Const. & App.

National land use information system Spatial information standard & quality mgt. Korea type address information system Introduction to LX overseas projects & platform

Land Management

Case sharing of Korean land innovation Computerization of Korea's land books & maps Transformation of world geodetic system

Survey Technology

Cutting edge technology of DB acquisition Overseas projects using aerial & satellite images Status of DB & System construction in LaoPDR

Site Visit

Smart Seoul Exhibition Hall Korea Territorial Development Exhibition Hall LX Education Institute : training curriculum LX Local office: visiting a surveying site

\checkmark Case sharing of Korea Land Innovation

Development of Korea's Land Administration System Computerization of Korea's Land books and maps Development of Land data acquisition technology

Introduction to overseas projects using aerial & satellite images

Korea Aerospace Research Institute(KARI) Development status of the global space industry The latest trends using satellite images

✓ Transformation of World Geodetic System

Understanding of coordination transformation Ellipsoid, Coordinate system, Projection Explaining of 2D & 3D coordination transformation

Computerization of Land books & cadastral maps

Knowledge sharing of computerization process (Book type – Card type – Digital) History of Land Administration System (KLIS to KRAS)

Cutting edge technology of DB acquisition

Background of innovative surveying technology

Knowledge sharing of errors and trials in Korea type cadastral surveying Spatial information standard & quality control

Introduction to standard & quality control





The project for the strengthening capability on the establishment and utilization of land information infrastructure in Loo PDP

ິ 22

6. Procurement

2 Vehicles



6 Desktop Computers







- 3 total stations, 3 pen computers
- 3 laptop computers
- Other surveying accessories (prisms, poles, tripods, etc.)

Future Plan

1. Future Plan

Basis and contents of Follow up project

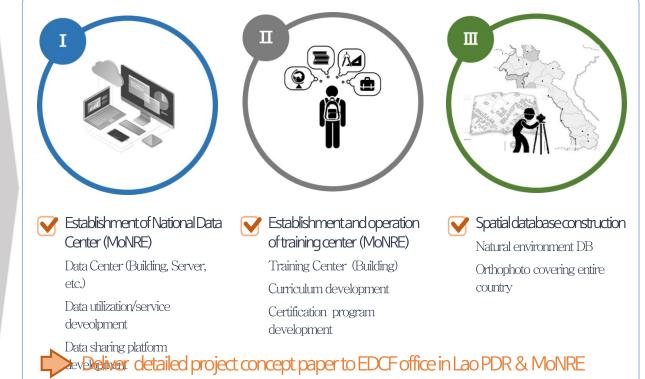
Documentation from Lao gov. (3) ໂຄງການພັດສະນາການໜ່ອງຫ່ຽວ ຄິວເມືອງວັງວຽງ, ແຂວງວຽງຈີນ ມູນຄ່າປະມານ 20 ສາຫາລະນະລັດ ປະຊາທິປະໄຕ ປະ ວ່ານໂດລາສະຫະລັດ; (4) ໂຄງການກໍ່ສ້າງໂຮງໜໍ, ແຂວງສະຫວັນນະເຂດ ມູນຄ່າປະມານ 25 ລ້ານໂດລ ແລາດ ປະຊາທິປະໄຕ ເອກະ ໂຄງການສົງເສດການສະລິດ (ໃນຂອບມູນສຳ 100 ລ່ານໂດລາສະຫະລິດ) ມີທີ: (1) ได้งากแก้ไขมายันขึ้นเสข้อม Tax RIS ไม่สดะ 2, กอลุองกามสังน (1) ສຽງການເກັບເລຍອາຍັນແຕ່ແລະເພື່ອ ເຂົ້າເປັນແລະ , ກອງອຽກກອງມີ ຊຸມ ເປັນການ 20 ລຳນາໂດລາຍສາຫລັດ; (2) ໂຄງການຂ້າງຄວາມເຂັ້ມແຂງໃນການກຳໃຊ້ ແລະ ກໍ່ສ້າງຊາມຂໍ້ມູນຮ່າວສານທີ່ຄືນ, ກລະລຸງ and Somelfulling (a) ເປັນເປັນເອນເປັນແຂນເຮັດ ເຊິ່ງແລະເລື່ອມ ມູນທ່ານໃນມານ 15 ລ້ານໂດລາສອຫເລັດ; (3) ໂຄງການເລັດທະນາໂຄງລ່າງກະສິກຳ ແລະ ຊີບແຮບິດ ແລະ ໂຄງການທັງອຸນບໍລິການຈັດກ ນ້ຳ, ກະຫຼວງກະສິກຳ ແລະ ປ່າໄປ ມຸນທ່ານມານ 40 ລ້ານໂດລາສອຫເລັດ; ເຈັດລຽງບູລິມະສິດໂຄງການ ທີ່ຈະນຳສະໜີຍໍ່ເ ອັນສ່ວມມື ເມື່ອການນັດການແຂດຖະກິດ (EDC 020.2023 (4) ໂຄງການສະຫຍາຍກາຂ່າຍ 22 /0.4 KV ແຂວງໃຊສີມມູນ (7 ແຂວງພາກກາງ ແລະ ພາກ - ສິງຕາມທີ່ດສີ່ນຳຂອງກອງປະຊຸມນາຍິກ-ຣອງນາຍິກລັດຖ 1985/ຫລາຍ, ລົງວັນທີ 12 ພະຈິກ 2019 ທາງຕ້ອງວ່າ - ສິງຕາມເອກະສານລາຍງານ ສະປັບແລກທີ 2901/ກອກ.8. ໃຕ້ ແລະ ກໍ່ສ້າງສະຖານີໄຟຟ້າ 115 /22 KV ຢູ່ບໍ່ເຕັ້ນ, ແຂວງຫຼວງນ້ຳຫາ), ກະສວງພະລັງ ງານ ແລະ ບໍ່ສະ ມູນຄ່ານພາບ 25 ລ້ານໂດລາສະຫະລັດ. 2. ໃຫ້ຫລຸວສະນນາາ ແລະ ກາເລິຍກິນ ສໍເຫັນເຂັ້ມທາສ່ວມກ່ຽວຄ້ອງ ດຳເນີນສົ້ນຄອນຕ່າງໆໃຫ້ ສຳເລັດໄວ, ລ້ອມນັ້ນ ໃນພາຍປະຕິບັດຕິວຈິງ ຕ້ອງໄດ້ມີການຕິດຕາມ, ການສຸ່ມຄອງທີ່ອັດກຸມ ແລະ ມີການ 19 ຮອງກະສວງແພນການ ແລະ ການລົງທຶນ. ອົງຕາມການຄຶກລົງ ແລະ ຊີ່ນຳ ຂອງທ່ານ ນາຍົກລັດຖະມົນ ປະສານສີມພົບພ້າງໃກ້ຊີດກັບຜູ້ໃຫ້ທຶນ ແລະ ຂະແໜງການກ້ອງຖິ່ນ ທີ່ກ່ຽວຂ້ອງ. NU, ສ່ອງວ່າການສຳນັກງານນາຍົກລັດຖະມົນດີ ຂໍຖືເປັນກຽດ ດັ່ງນັ້ນ, ຈຶ່ງຂຈ່ຽມາຍັງທ່ານ ເພື່ອຊາຍ ແລະ ປະຕິບັດຕາມເນື້ອໃນຂຈັງການລະບັບນີ້ຕົວບາ ເຫຍັກລັດກະມົນທີ ມາຍ້ອຍ່ານຂາບ ດັ່ງນີ້. ເຫັນດີຮັບຮອງເອົາການຈັດລຽງບໍລິມະສິດ ໂຄງການທີ່ຈະ ຈາກກອງຄົນຮ່ວມມື ເພື່ອການພັດກະນາເສດຖະກົດ (EDCF) ຈາກ ວັດຖະມົນທີ ານສຳນັກງານນາຍົກລັດນະກິນ direction from the ່າ 200 ຕໍ່ແມ່ງດາງສາຫຼາວດີດ ດາມສຸດແຫຼງແລ້ວຄົນຄືນຄື້ນທີ່ກາງປ 1) ໂຄງການຕ້ານຕະພຶ່ງເຈັ່ຍນ (ໃນຂອບມູນຄ່າ 300 ລ້ານໂດ w upus (1) ໂຄງການຕ່ານເພນິງເຈື້ອນ ແຂວງຈຳປາສິກ ໂລຍຂ 2 4 (2) ໂຄງການດ້ານຕະຝັ່ງເຈື່ອນ ແຂວງສະຫວັນນະເຂດ ມາ (3) ໂຄງການຄ່ານຄະນຶ່ງເຈື່ອນ ແຂວງຄ່ານໄວນ ມູນຄ່າປະມ (4) ໂຄງການຄ້ານຄະນຶ່ງເຈື່ອນ ແຂວງບໍ່ແກ້ວ ມູນຄ່າປະມ ເພັດ ພົມພິໜັງ (5) ໂຄງການດ້ານຕະຝັ່ງເຈື່ອນ ແຂວງບໍລິຄຳໄຊ ມູນຄ່າປະມ(6) ໂຄງການດ້ານຕະຝັ່ງເຈື່ອນ ແຂວງວຽງຈັນ ມູນທ່າປະມ ໂຄງການສົງເຂດສັງຄົມ (ໃນຂອບມູນຄ່າ 100 ລ້ານໂດລາສ (1) ໂຄງການກໍ່ສ້າງໂຮງໝໍ 04 ແຂວງພາກໃຕ້, ກະຊວງສາເ toom-to-(2) ໂຄງການກໍ່ສ້າງມະຫາວິທະຍາໄ ລະຕັກໃນໄລຊີ, ກະຊວງ ປະມານ 25 ລ້ານໂດລາສະຫະລັດ; and the same of a same of the same of the same of the 2421-30116-0047, fluxaen la nas sún: 021-000631 (andiesen marx) (0602) 12/2019 BEDMT

🗆 Laos People's Democratic Republic 🗆

Prime Minister – Deputy Prime Minister, Minister of Planning and Investment 2020~2023 EDCF Capital Loan

3. Production area project plan(100 mil. \$)
- Land information center construction (15 mil. \$)

Follow up project discussion



Thank you Q&A