



O'ZBEKISTON RESPUBLIKASI
DAVLAT SOLIQ QO'MITASI
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The Government of Korea's ODA Cases in supporting NSDI

Implementation of IISRPC under Modernization of Real Property Registration and Cadastre Project

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I Introduction

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Work Experience

- Senior Manager / Global Business Dept. of LX
- Central Asia Team
- Cadastral / Land Surveyor

Education Background

- Ph.D. Geoinformatic Engineering in Inha University
- MS : Civil Engineering in Purdue University
- Bachelor : Civil Engineering in Myongji University

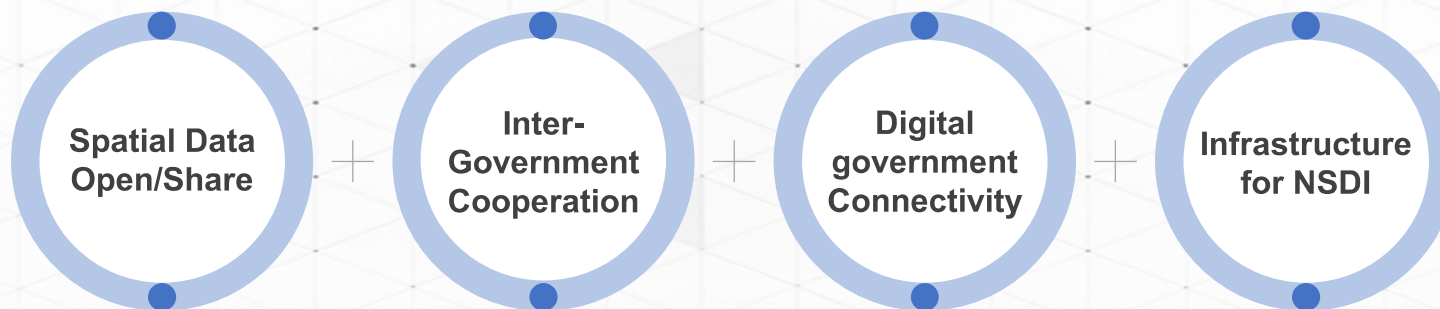
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I Introduction

1.1. NSDI Master Plan of Uzbekistan

Support Government Innovation & Sustainable Development based on Spatial Data



Increasing demand to resolve current issues

- Since independence, Uzbekistan has achieved high economic development as well as increased social complexity
- Need for resolving social issues(transportation , land registration, urban development, water resources)
- Paper-based information has limitation in various use and maintained former Soviet Union system in the field of spatial data(maps, coordinate system, etc.)

Improving government efficiency & public Service

- eGovernment program included Spatial data & Real Property DB as main State Registry
- Integrated spatial DB is basis of joint use of ministries & cooperation
- NSDI supports policy making process based on spatial data
- Securing reliability of national data and improving the public service

I Introduction

1.2. History of Uzbekistan's NSDI

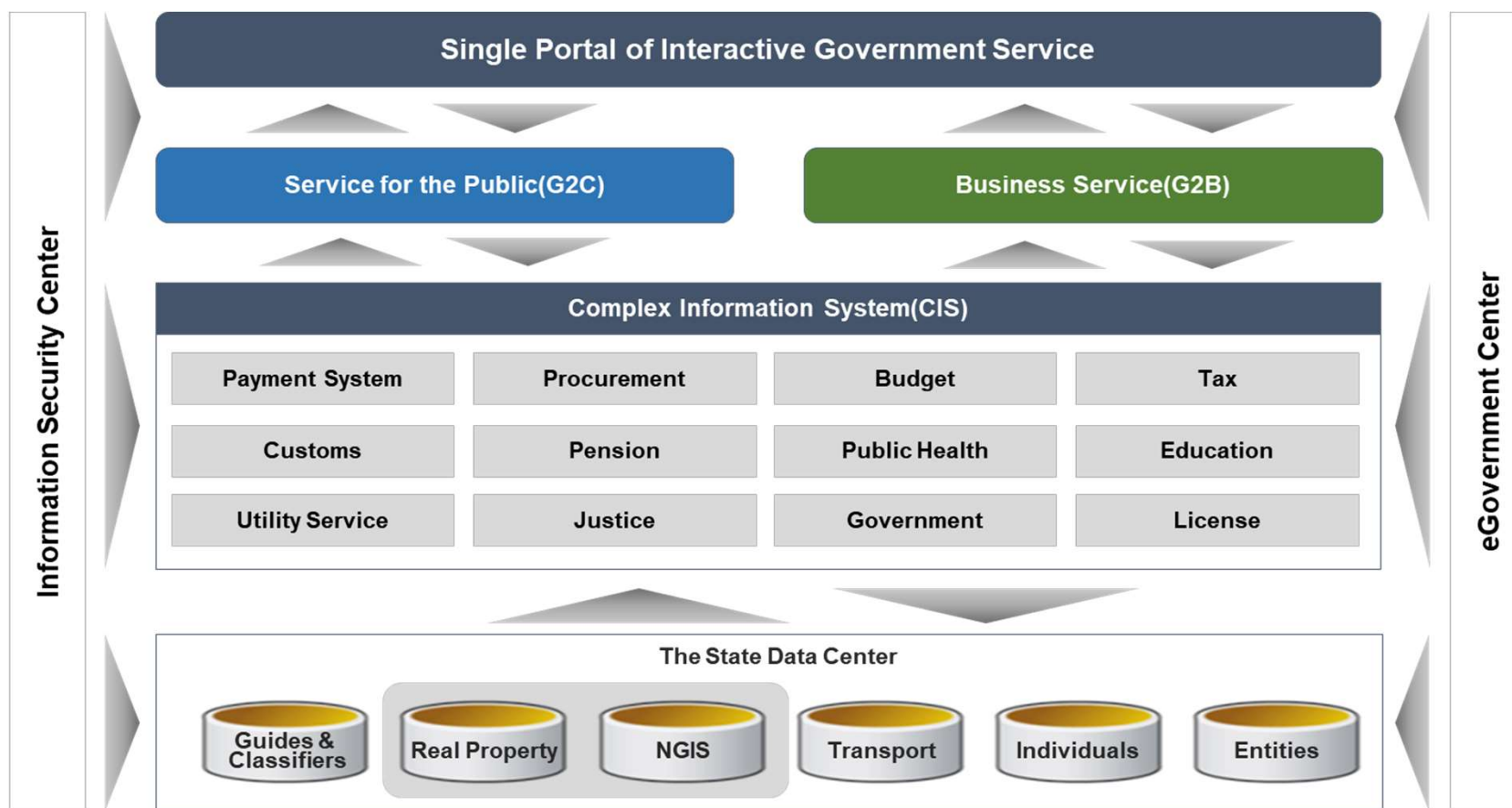
- Continuous implementation of NGIS/NSDI strategy over 10 years



I Introduction

1.3. Digital Government of Uzbekistan

- Relationship with NSDI and Digital Government in Uzbekistan



I Introduction

1.4. NSDI Road Map of Uzbekistan

Strategy	Stage 1 (Infrastructure)			Stage 2 ()			Stage 3(Integration)
	2020	2021	2022	2023	2024	2025	2026 ~
I. Framework Data	Control Point Maintenance(Coordinate Transformation)			Control Point Management System			
		National Base Map Digital Cartographic Map		Framework Data (21 State Cadastre)			
II. Standard	Master Plan of Standardization			Standard Promotion & Support for International Activities			
		Develop National Standard & Metadata			Industry/Organization Standard Conformity Assessment		Quality Control
III. Application System	Computerization of Real Property Data and Database			Mass Evaluation / Asset Management System			
		Real Property Registration System		Integration with Digital Government		Agriculture land Information System Urban Planning System	
IV. Legal Framework R&D	Revision of Legal Framework						
			Establishment of R&D Center for NGIS		Cooperation with Industry, Academy and R&D Institution		Develop Core Technology
V. Capacity Building	Master Plan for Capacity Building						
			Establishment of Training Center			Cooperation with global education organization Develop advanced training program	
VI. Industry Promotion				Master Plan for Data Open & Sharing			
						Development of Geoportal	

II ODA Project in Uzbekistan

2.1. IISRPRC Project Overview

Project Name

- Implementation of IISRPRC Including Supply and Installation of HW & SW – Phase #1, #2

Period

- Jan. 2020-Oct. 2021 (Phase #1) / Nov. 2021-Sep. 2022 (Phase #2)

Objectives

- Reforming Land Administration System
- Improving efficiency & transparency of real property registration

Financing

- World Bank / 1,45 million USD

Customer

- Cadastral Agency under State Tax Committee

Scope of Work

1. **Developing a modern Web-Based ICT solution** for IISRPRC for international best practice
2. Deploying centralized nationwide system for integrated **eGovernment One-stop-service** on with a new network hosted by the Ministry of Justice
3. **Improving information awareness of the public authorities** and enhance the reasonability of the administrative decision-making process



II ODA Project in Uzbekistan

2.2. Scope of Work



Standardization of work process

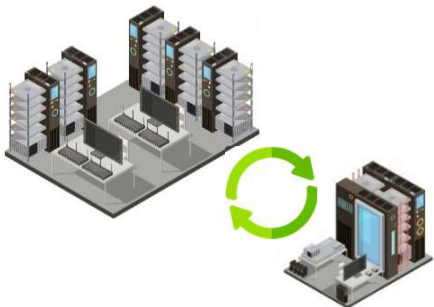
- Systemizing 53 regular administrative work processes
- Profiling International Standard (ISO 19152, LADM)

Integrated Real-Property Registration System

- Capable of all work process in one system
- Users from relevant department use only on system
- Integrate with eGovernment system(individual, entity, notary...)

Main Data Center(MDC) & Reserve Data Center(RDC)

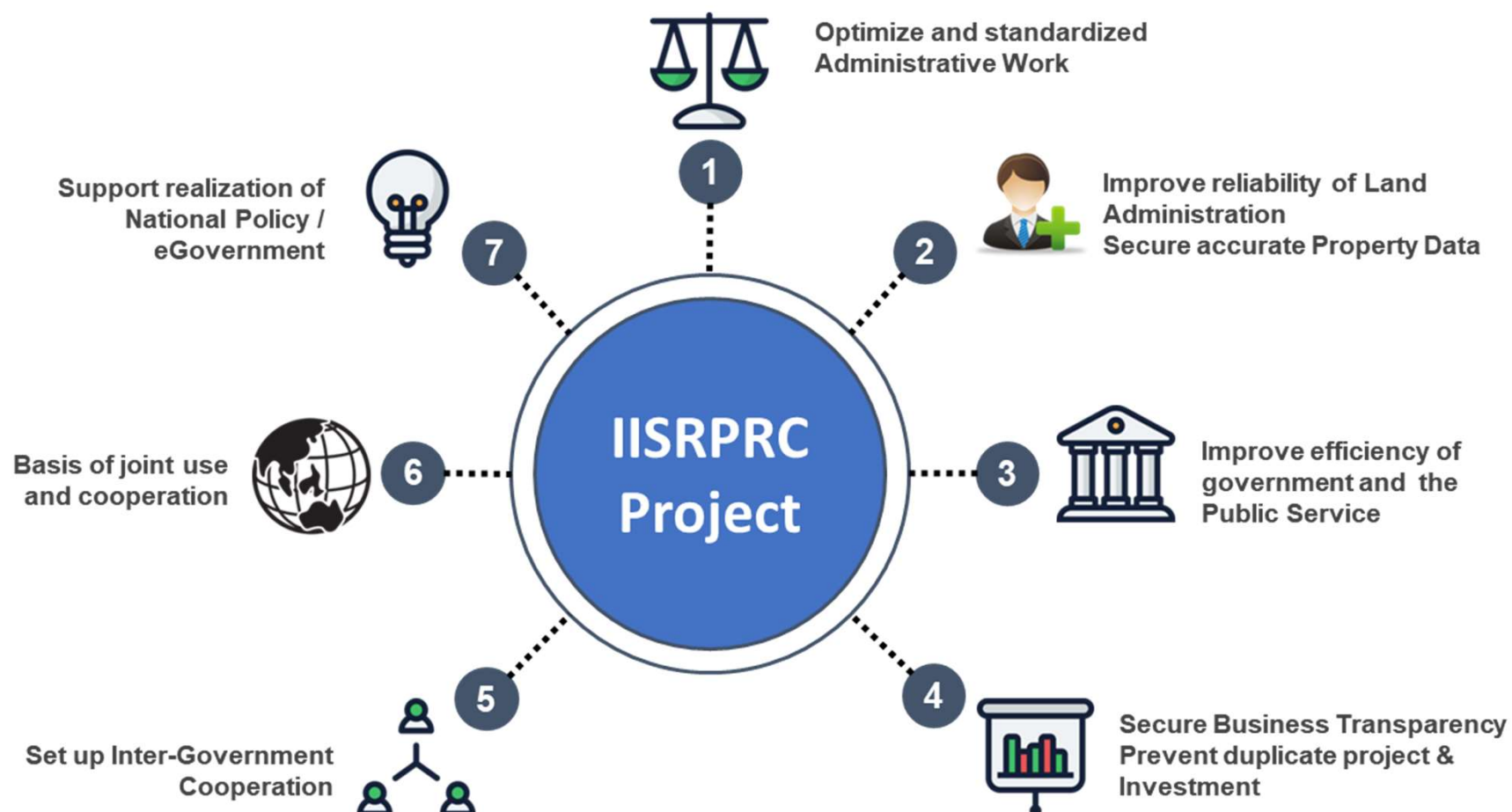
- Secure Availability, Flexibility, Scalability, and Stability
- Dualization, virtualization, blade server & chassis type switch, and regular backup & replication



II

ODA Project in Uzbekistan

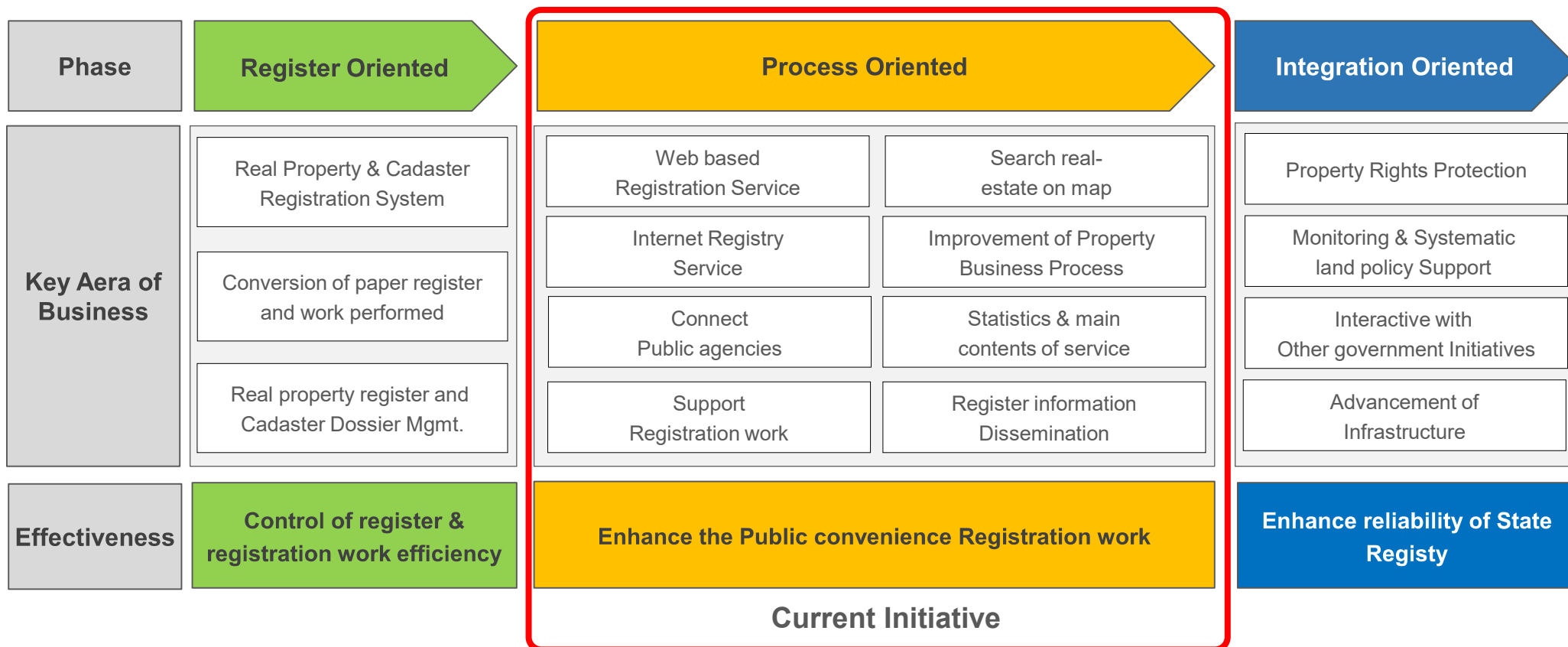
2.3. Benefit & Impact



III The way forward

3.1. Future Real Property Management System

From paper to digital register, upgrade the public service regarding continuously and build the Registry Office System using advance IT technologies



II ODA Project in Uzbekistan

3.2. Basic Direction

End-User oriented Service

- have been developed based on not only need of technical engineer but also need of end users - from officials in registry office through policy makers to citizens

Full Life-cycle Service

- support all stages of registration service life cycle from long-term plan through business innovation, service design and implementation to service management

Service on Demand

- provide alternatives which you are able to choose and apply to your business according to the development of situation or your demand

Utilize advanced property technologies

- An innovative approach to real estate in which technology optimizes the way people research, rent, buy, sell, and provide a accurate prediction and analysis in real property field

III The way forward

3.3. Lessons Learned



To acknowledge difference between beneficiary aspect and supplier's

- Legal framework, administration system, business process, mindset, ability, and so on.
- Effective communication with beneficiary and work together with local experts

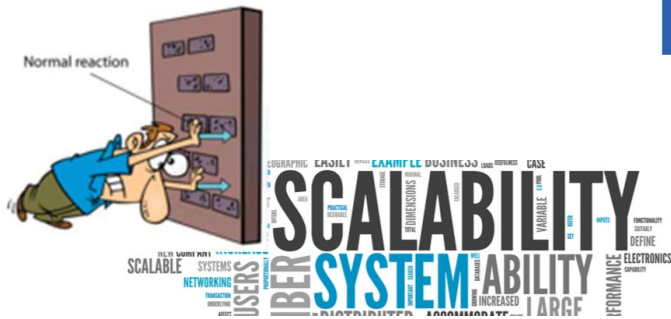
To prepare for the risk of organization and legal framework change

- Beneficiary's organization, responsible staffs as well as MDB's
- Willingness of project manager of recipient side is Important



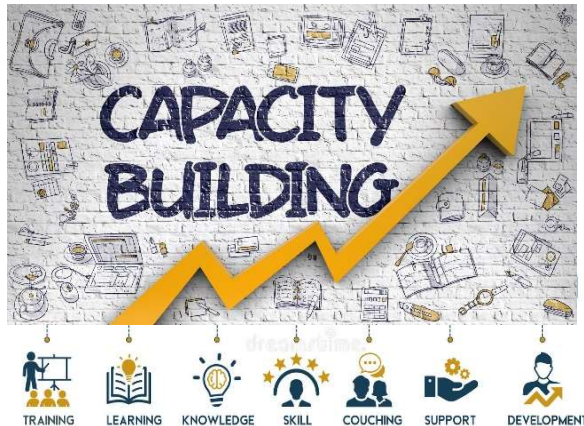
III The way forward

3.4. Lessons Learned



High barriers to entry, Easy scalability in Central Asia

- Political background, transparency, language, perception level, organization structure...
- Similarity of social system, terms, legal framework in the field of land administration and NSDI



To provide & secure technical independency

- System maintenance, modification and upgrade
- Work together from project initiation to completion
- Enhancing training & knowledge transfer during project period

Thank you for Listening.

