



## 7<sup>th</sup> Spatial Planning Platform (SPP)

### Role of Spatial Planning in emerging global trends of urban and regional policies

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## MACHIZUKURI -Cities for People-

● **PRESENT:** The world's population is expected to reach 9.7 billion by 2050, 68% of which will be concentrated in cities. Today, cities cover only 2% of the world's land area, yet they are estimated to consume about 60-80% of the world's energy and emit about 75% of carbon dioxide in the world through their economic and social activities.

● **ISSUES:** By comprehensive responses to multifaceted urban issues, to put cities on a sustainable development trajectory is essential to achieving the SDGs which incorporate the principles of human security

● **RECONGNITION:**

**A Master Plan for Urban Development** is one of the effective means of addressing the urban issues such as traffic congestion and deteriorating living environment. The cluster strategy "**MACHIZUKURI**" aims to solve urban issues by **citizen participation** and **citizen-led initiatives, public-private partnerships, improvement of administrative capacity** to support local communities, and to increase the number of sustainable cities that can realize and continue green, resilient, and inclusive urban development through the appropriate utilization of new technologies such as digital technology.

● **JAPAN'S STRENGTHS:**

**Green**

Transit Oriented Development (TOD) which is a combination of public transportation and urban development

**Resilient**

Experience of recovery and reconstruction from natural disasters

**Inclusive**

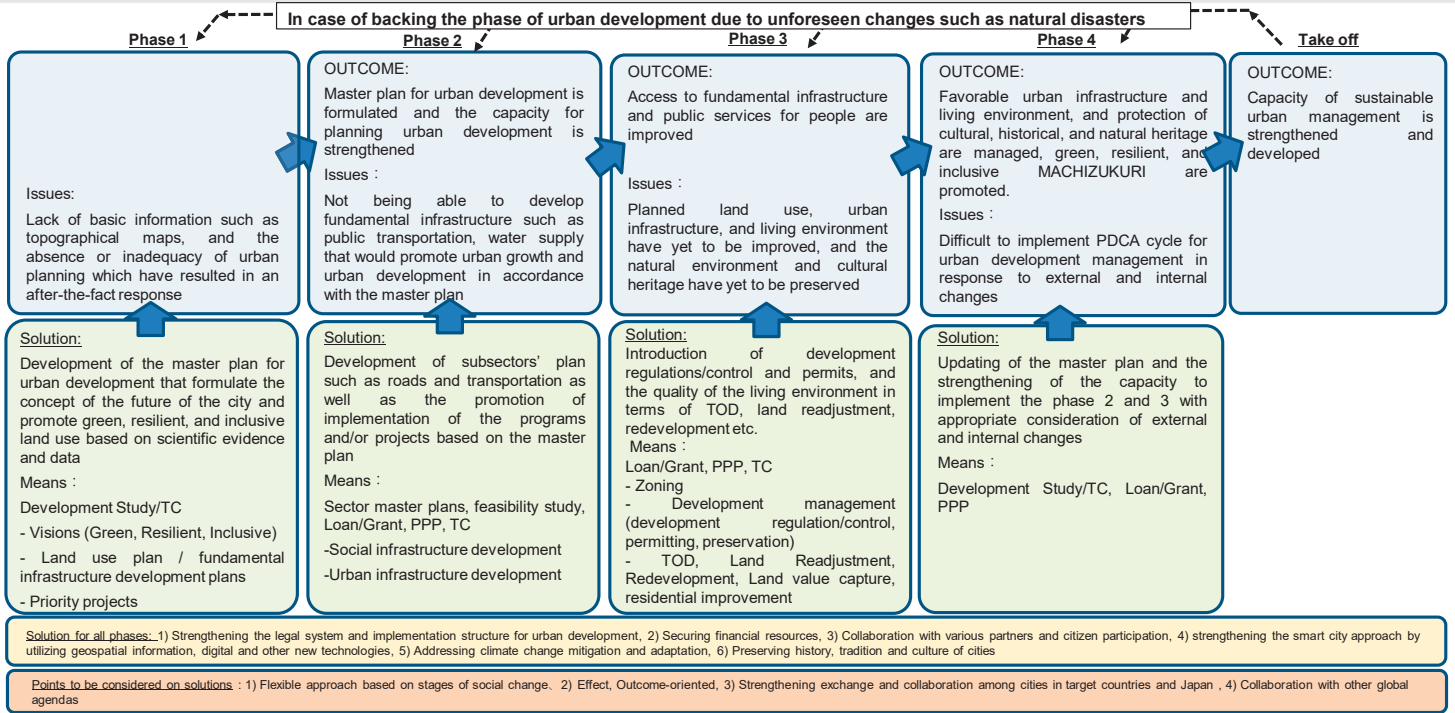
Compact land use and public transportation, citizen participation

● **JICA'S APPROACH:**

- Practical knowledge of local governments of Japan,
- Comprehensive approach based on scientific evidence,
- Consistent implementation system from planning to implementation,
- Human resource development



# Development Scenarios of the cluster strategy "MACHIZUKURI"



## JICA's Resource Allocation

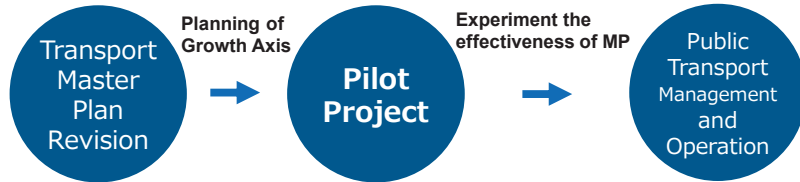
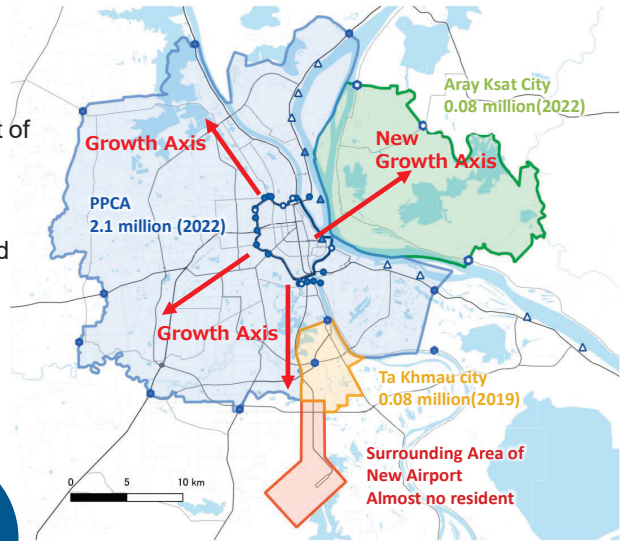
Stages	Issues / Target Regions	Solutions	Allocation
Rapid population influx to cities / Rapid urbanization / Gradual and rapid aging of population	Phase 1 / Phase 2: Coping with urbanization Southeast Asia/ South Asia/ East Asia/ Sub-Saharan Africa	1) Visioning of the future of the city and Planning of the city 2) Creating the urban framework - fundamental infrastructure development, urban infrastructure development <Means> The master plan for urban development, sectoral master plans, feasibility studies, Loans/Grants, PPP, Technical Cooperation (TC)	80% 
Moderate population inflow to cities/ Stable urban population/ stable urbanization/ rapid aging rate	Phase 3: Improvement of the urban environment, shift from quantity to quality Middle East/ Latin America/ Central Asia/ Oceania	1) Urban Infrastructure, Housing Environment, and Urban/Community Development -Improvement of the urban environment, shift from quantity to quality, Improvement of efficiency for urban development - Zoning, Development management (development regulation/control, permitting, preservation), Citizen participation, TOD, Land Readjustment, Redevelopment, development-based value capture, residential improvement <Means> Loans/Grants, PPP, Technical Cooperation (TC)	10% 
Decrease in urban population/ Decrease in urbanization/ Progressive increase in aging rate at high level	Phase 4: Addressing aging society with low birthrate, Compact cities Europe/ a part of Southeast Asia and Latin America	1) Sustainable urban development and urban management - Regional revitalization, Improvement of efficiency for urban development - Urban and regional revitalization <Means> The master plan for urban development, Grants, PPP, Technical Cooperation (TC)	10% 

# Development of Urban Growth Axis: Cambodia



## Project for Development of Integrated Urban Transport Management Mechanism in Phnom Penh Capital City (2024-2027)

- Background: Urbanization, new development opportunities (new airport, east bank of Mekong River)
- Purpose: To strengthen the capacity for comprehensive planning and management of urban transport in Phnom Penh Capital City.
- Outputs:
  1. Under the lead of PPCA, PPUTMP is updated based on a process of discussion, examination, and consensus building across multiple related organizations.
  2. Through the practice of pilot projects for short-term measures, in which collaboration among multiple organizations is essential, the ability to implement cross-sectoral projects in urban transport is enhanced.
  3. Organizational structure for public transportation management and operation is strengthened.



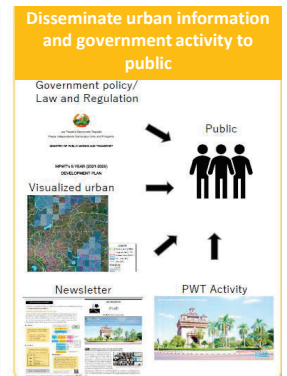
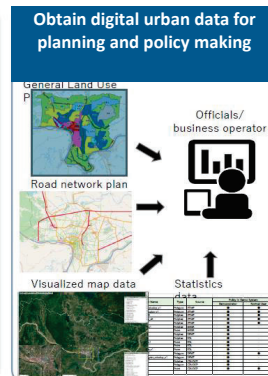
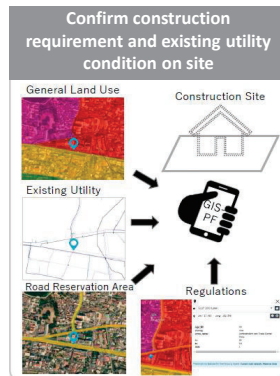
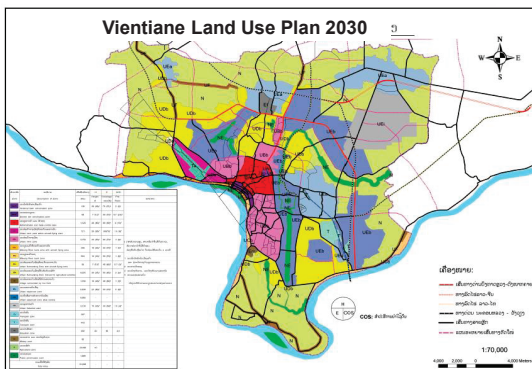
# Urban Development Management by Digital Tech: Lao PDR



## Project for Capacity Development on Urban Development Control and Promotion in Vientiane (2021-2024)

- Background: Lack of regulations and management of land use and construction permission based on LUP supported by JICA in 2011. Low awareness of LUP among people and business.
- Purpose: To strengthen the management capacity of urban development and land use along with LUP, by using Digital Technologies
- Outputs:
  1. Improvement of construction permission based on LUP, by using GIS platform
  2. Enhanced awareness of LUP among people and business by using GIS platform as a communication tool
  3. Strengthened management mechanism for urban development with citizen participation

Land Use Planning → Control by Construction Permission, development guidance by project planning, promoting the improvement of the city by involvement of people and business







# Regional Development: Indonesia

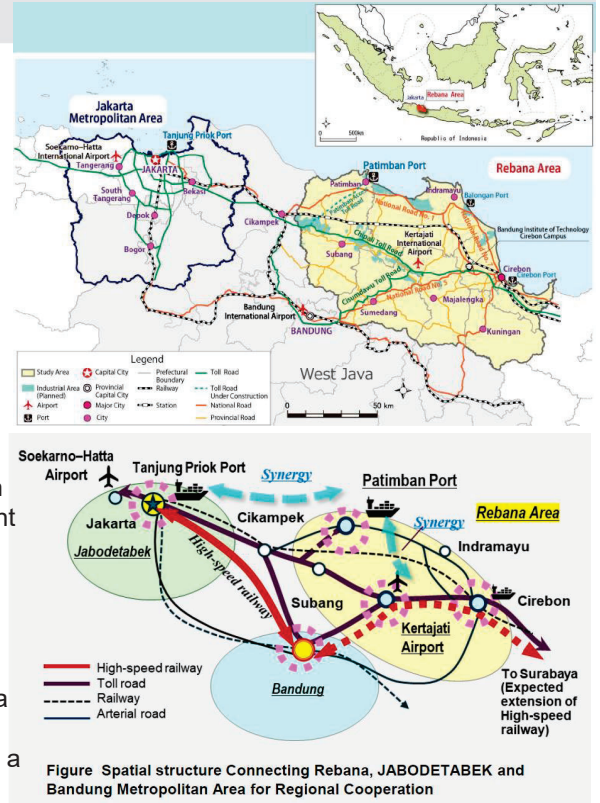
## PROJECT FOR THE REBANA AREA DEVELOPMENT (2024-2026)

- Background:
  - Congested transport and port in Jakarta
  - Patimban Port was developed with the financial support from Japan
  - New airport was opened in Rebana Region

- SWOT:
  - Strength: Proximity to Jakarta, high potential in agriculture and fisheries
  - Weakness: Low productivity, low added-value
  - Opportunity: New port, new airport
  - Thread: High risk of flood / erosion, water resource shortage

- Purpose:
  - To strengthen the structure and implementation capacity of Rebana Metropolitan Management Authority (RMMA) and other relevant agencies for the development of the Rebana Area

- Outputs:
  1. Reviewed Rebana Area Development Master Plan with update and priority projects.
  2. Enhanced implementation system to promote priority projects for the Rebana Area development.
  3. Specific plans for priority project(s), developed by related organizations, with a lead / coordination by RMMA



## < REFERENCE > JICA Major Projects for Urban Master Planning

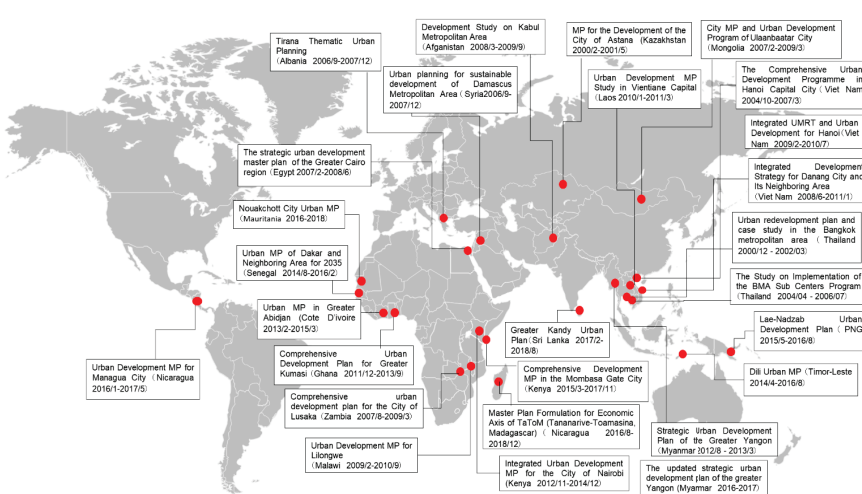
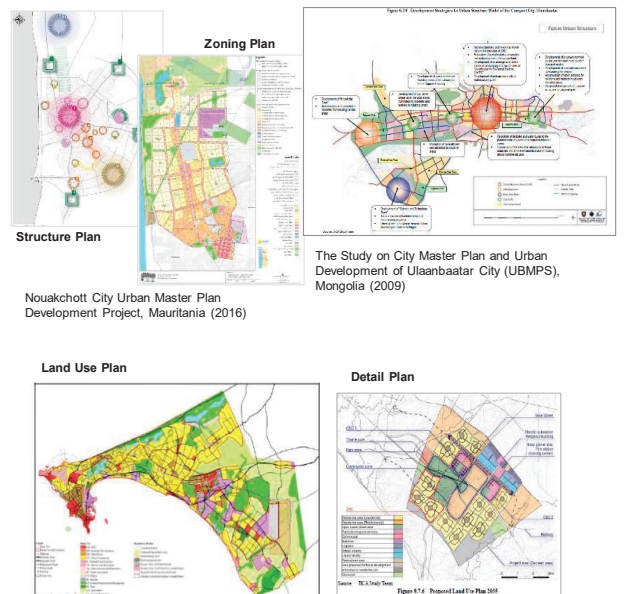


Fig. JICA Major Project : Development Study- Major Projects of Urban Master Plan

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Noaukchott City Urban Master Plan Development Project, Mauritania (2016)

Project for Updating Dakar Urbanization Master Plan by Horizon 2025, Senegal (2016)