Smart JAMP Projects

(Smart City supported by Japan ASEAN Mutual Partnership)

City of Luang Prabang (Laos)

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3rd ASEAN – Japan Smart Cities Network High Level Meeting
on October 18th and 19th, 2021
Via video conference

City of Luang Prabang

The World Heritage Site

The centre of northern part of Laos

- City boundary area 761 km2
- City population 97,600

1st ASEAN-Japan Smart Cities Network High Level Meeting on 8-11 October, 2019, in Yokohama, Japan

Meeting minutes signing between Luang Prabang City (Laos) and UR (Japan) for smart city cooperation

Meeting minutes signing between Luang Prabang City (Laos) and Nippon Koei Co., Ltd (Japan) for smart city cooperation

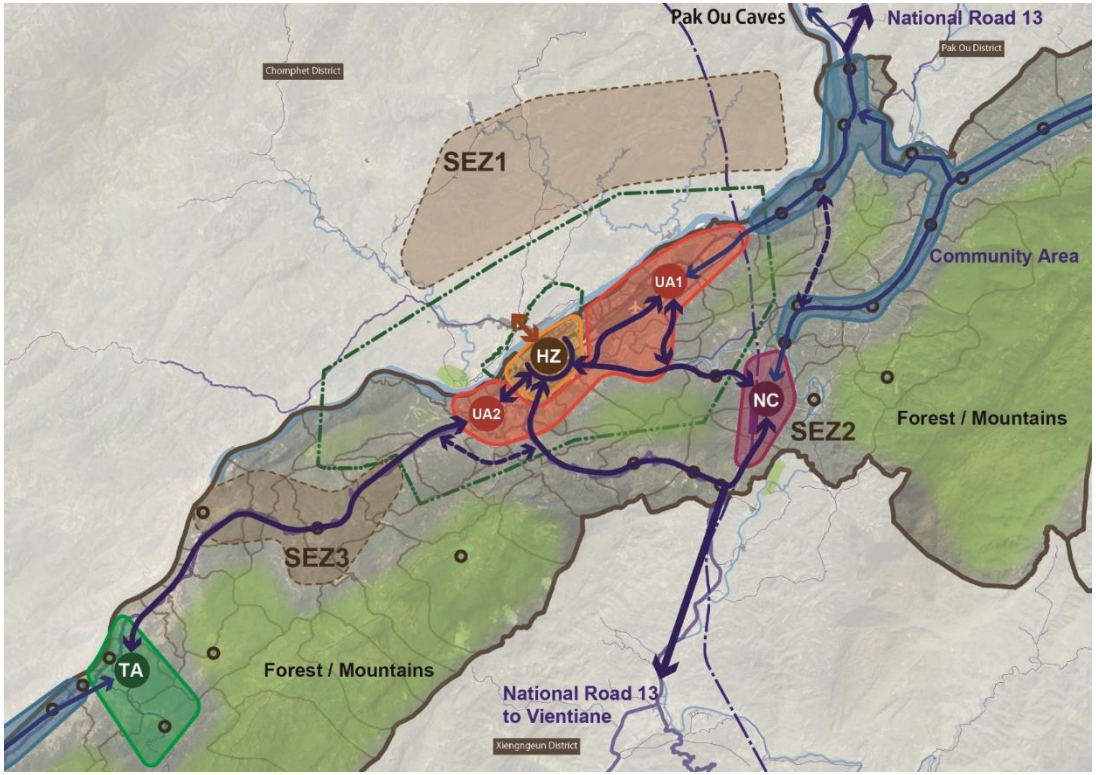
Kick-off Meeting and Signing Meeting Minutes

between Luang Prabang City (Laos) and MLIT (Japan) for the Study of Smart City Master Plan for Luang Prabang City on April 9th, 2021, via videoconference

Kick-off Meeting

For the Pre-Feasibility Study for Introduction of the Advanced Wastewater Treatment System in Luang Prabang City on September 2, 2021, via video conference

Master Plan Study for Smart City Development in Luang Prabang City, Lao PDR



- Supported by: Ministry of Land, Infrastructure, Transport and Tourism (Japan)
- Conducted by: Oriental Consultants Global Co., Ltd. (Japan)
- Duration: April 2021 – March 2022

Issue Identification → **Visioning** → **Project** Recommendation

(Draft)Vision: “Sustainable and Smart Heritage City for Luang Prabang and Its Citizens”

Issue Identification

Overall Develop-ment Policy

Urban Structure Setting

Infrastructure Development

Smart Technologies Introduction

“Connect”

Luang Prabang

To be linked with private Sector’s Seeds

Connect **CITY**

Connect **MOBILITY**

Connect **TOURIST**

Connect **HERITAGE**

Connect **GOVERNANCE**

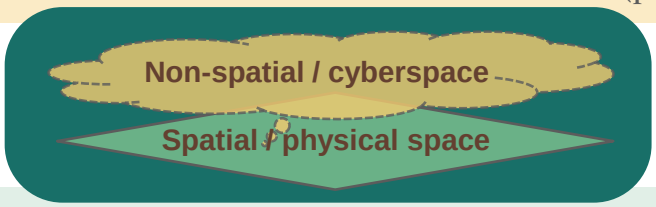
Connect **PEOPLE**

Connect **DATA**

(Draft) Smart City Master Planning with 2 Layers

Non-spatial / cyberspace

- Digital Twin: Pilot site for G-space information development / Urban management utilizing G-space (e.g. new station area)
- Building a stable city by a virtual Luang Prabang: Construction and utilization of virtual LPC in the pilot site (e.g. heritage site)
- Reduction of tourism load (1): Heritage Fund System
- Reduction of tourism load (2): Smart Waste Management
- Installation of Wi-Fi Service/Spots for Tourists
- Water quality improvement
- Autonomous decentralized smart regional logistics system
- Citizen participation: bottom-up open innovation promotion through DX Spots development and utilization (public service improvement for citizens)



Spatial / physical space

- The decentralized urban structure connecting three core areas (1) heritage site: Cultural hub, 2) Station area (SEZ(3)): TOD for logistics and commercial hub, 3)Kuang Si waterfall area (SEZ(2)): Eco-tourism hub
- The backbone road network connecting the above areas (Station area - Heritage Area, Station area - Kuang Si Waterfall Area, Station Area- North (SEZ(1))
- Promote green mobility and walkability in the heritage site by installing three Gateway points and Park&Ride facilities.
- Autonomous decentralized logistics network among inter-regional and intra-regional logistics bases
- Improvement of the last mile logistics mobility service
- Mobility development in the heritage site
- Development of community DX spots

Urban Structure (Draft)

② Physical Space

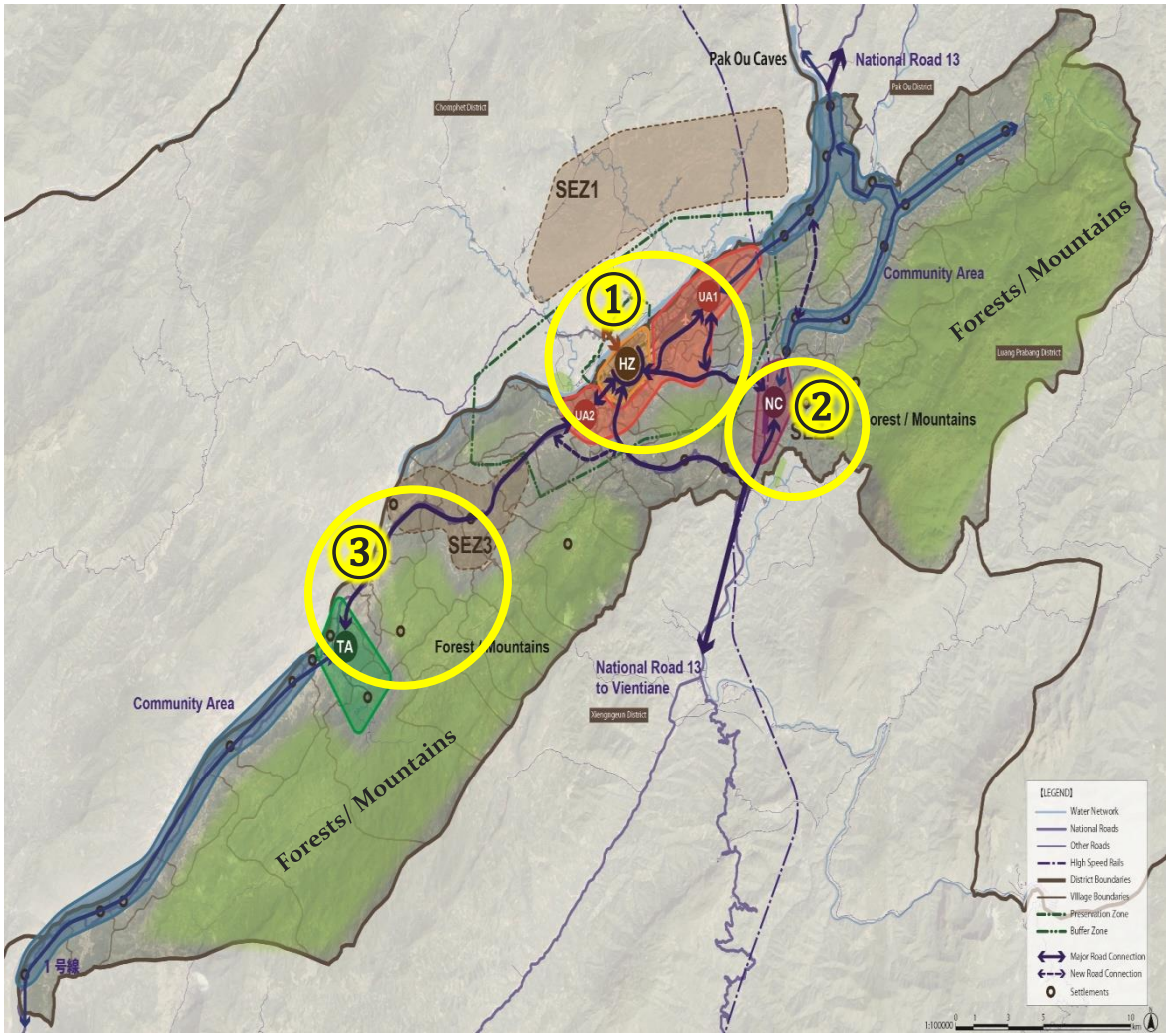
Multi-core urban structure

① Heritage Area and Surroundings: Area for local culture and people

② Railway Station Area(SEZ(2)): TOD for logistics and commercial activities

③ Kuang Si Falls Area (SEZ(3)): Ecotourism Area

Planning Area: Luang Prabang City



THANK YOU

THE 3RD
ASEAN-JAPAN SMART CITIES NETWORK
HIGH LEVEL MEETING
第3回 日ASEANスマートシティ・ネットワーク ハイレベル会合