

Vientiane Sustainable Urban Transport Project in Lao PDR



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Outline of the presentation

- ✓ *general information of Vientiane Capital*
- ✓ Traffic congestion situation in Vientiane Capital
- ✓ Future Plan and solving from 2019 to 2023

General Information of Vientiane Capital




- ✓ Capital of Lao PDR
- ✓ Political, commercial and cultural center of the Nation
- ✓ Covers 3,920 km²
- ✓ Vientiane Capital is comprises with 9 administrative districts
- ✓ Population: 972,000 inhabitants

Traffic congestion situation in Vientiane Capital



- Illegal parking
- Driver not good attitude
- Not enough parking space
- Vehicle increase year by year
- Few people using public transport
- Not enough public transport
- Some road section is not linked
- Some road is not good quality
- Poor traffic management

NS1-Talat Sao
(Before)

The background is a solid blue color. A thin, light blue curved line starts from the top left and arcs towards the right. A larger, semi-transparent blue triangular shape is positioned on the right side, pointing towards the center.

Future Plan and solving
from 2019 to 2023

Efforts on Sustainable Transport for Vientiane (1)

Efforts in the past

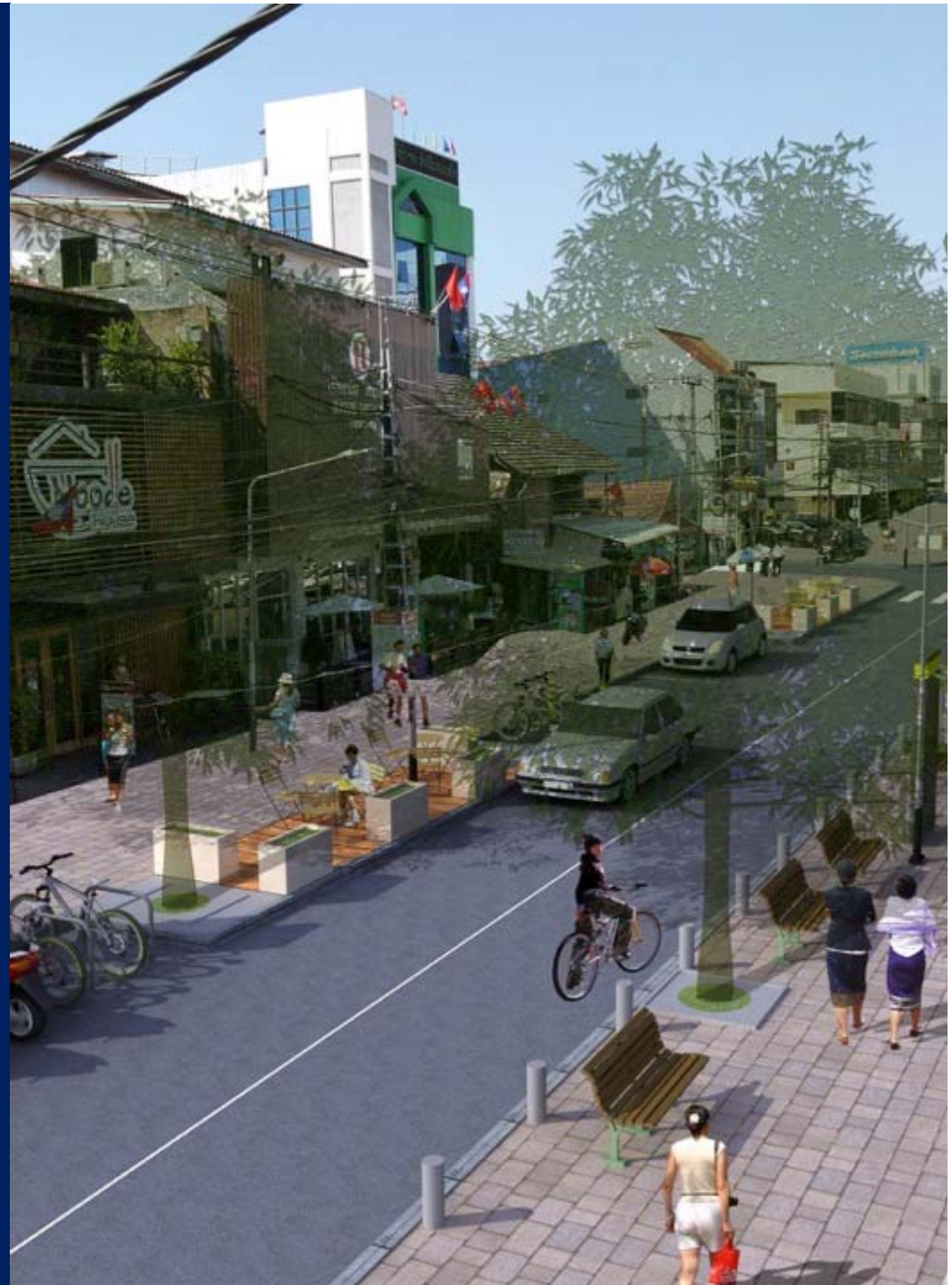
1. Mostly focused on road network improvements **(Roads/Vehicle Oriented)** ;
2. Resulted in unsustainable solution, **More Roads → More Vehicles**;
3. Thus, from various studies finally came up with projects...

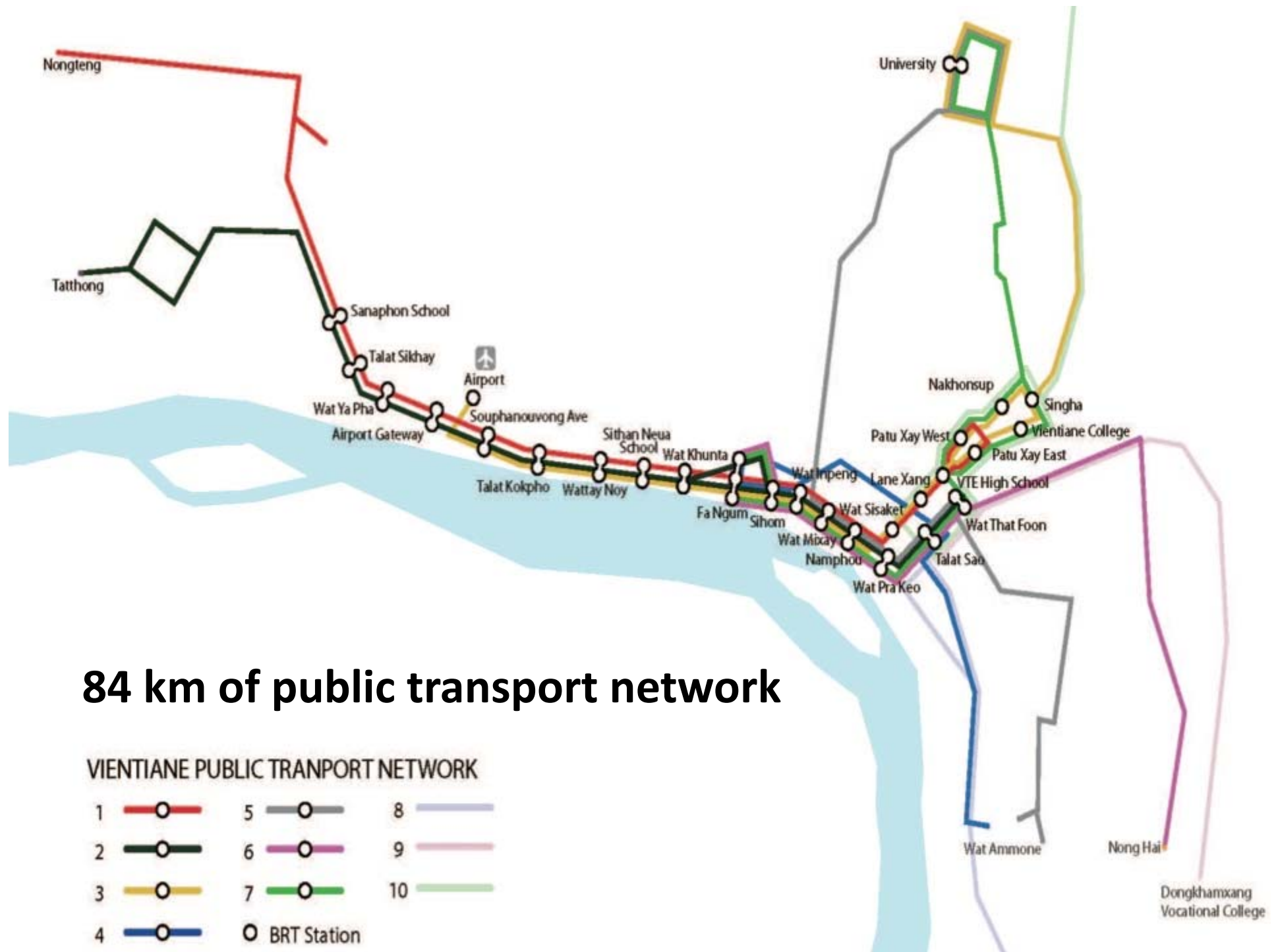
Efforts on Sustainable Transport for Vientiane (2)

1. 2004-2005 began developing Environmentally Sustainable Transport “EST” supported by UNCRD
2. 2007-2008 Vientiane Urban Transport Master Plan by JICA
3. 2010 Prefeasibility study on Vientiane Sustainable Transport Project (VSUTP) by ADB
4. 2012 Purchase of new 42 buses by JICA;
5. 2012-2014 Technical cooperation for enhancing Vientiane bus management by JICA;
6. 2012-2014 VSUTP Project Preparatory Technical Assistance (PPTA) by ADB

VSUTP Components

1. Public transport system
2. Parking management and enforcement
3. Traffic management system
4. Public space and non-motorized transport
5. Institutional capacity





11.5 km of dedicated busway





EW15 -Wat Mixay
(Before)



EW15 -Wat Mixay
(After)



NS1-Talat Sao
(After-option2)



NS3-VTE High School
(Before)



NS3-VTE High School
(After)



NS15-Talat Sao Mall
(Before)



NS15-Talat Sao Mall
(After)

Modern, clean vehicle technology



Integration with existing services



Traffic signal upgrades

Traffic signals
 BRT corridor
 BRT station
 retain existing
 upgrade signal
 add new signal
 remove signal

0 .1 .2 .3
 Kilometers
 ITDP China Mar 2014

Asean Rd
 Nakhonsup
 Vientiane College
 Patu Xay West
 Patu Xay East
 VTE High School
 Nongbone Road
 Wat That Foon
 Lane Xang
 Saylom Rd
 Rue Dongpatane
 Talat Sao
 Khoun Vang
 Rue De La Mission
 Wat Pra Keo
 Wat Sisaket
 Namphou
 Rue Chantana Khoumane
 Rue Samsenthai
 Rue Bartholome
 Rue Phai Nam
 Rue Pangkham
 Rue Le Ky Muong
 Rue Saigon
 Rue Hanchi
 Rue Hengboun
 Yonnet Rd
 Wat Mixay
 Rue Wat Kokoummang
 Rue Manthavong
 Rue Wat Chanth Thas
 Inpang Rd
 Wat Inpang
 Sihom
 Sathane Rd
 Quai Fa Ngum
 Hom Vat Chanth Thas
 Khou Vang Rd
 Sakharo Rd
 Tattay Rd

ITDP China Mar 2014

Traffic Circulation Improvements



Parking management zone





Technology for parking management and enforcement

**Parking sensors for real-
time occupancy information**



Real-time vacancy information

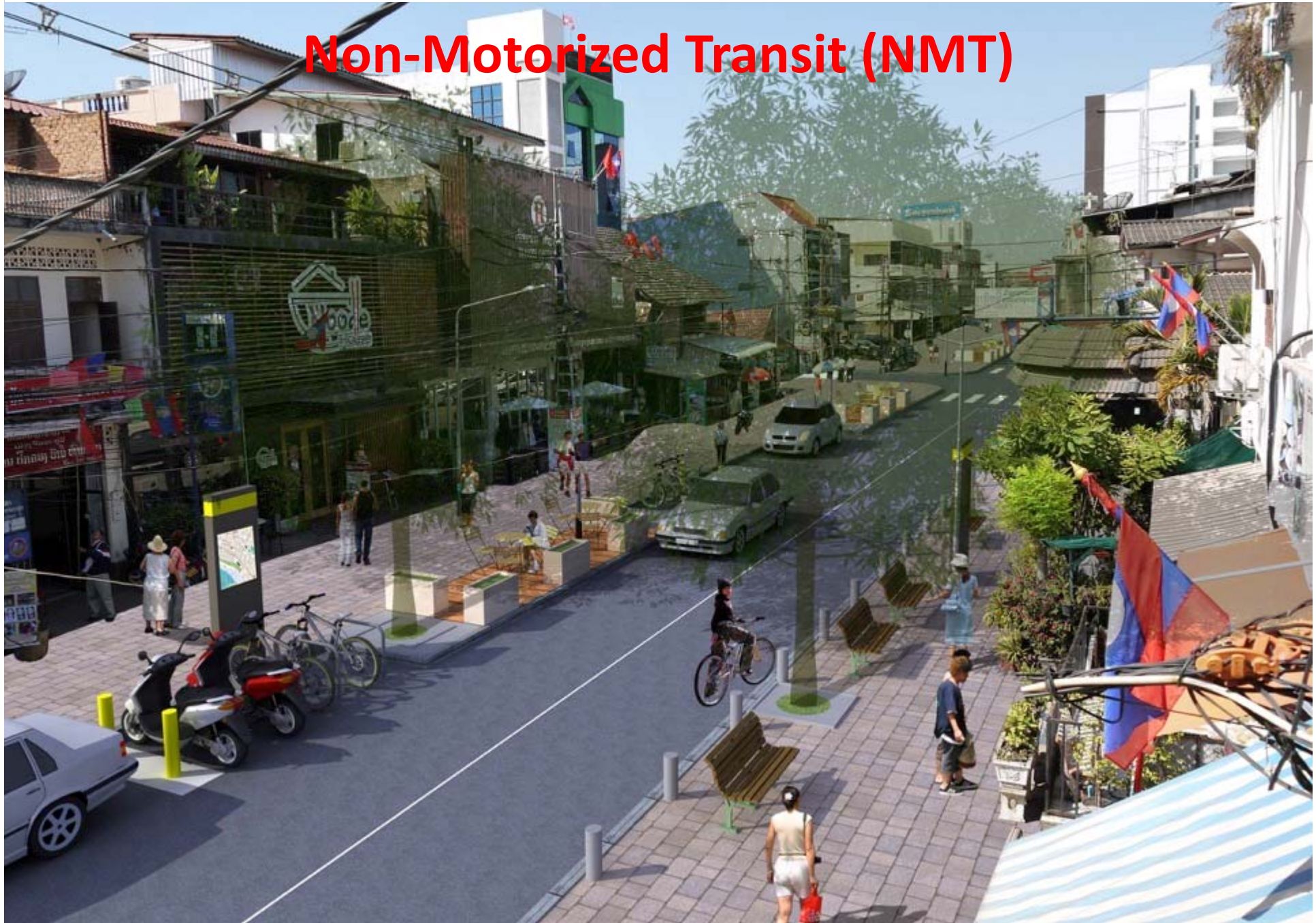
Rue Hengboun (before)

Non-Motorized Transit (NMT)



Rue Heng Boun (after)

Non-Motorized Transit (NMT)



Chao Anou Road (before)

Non-Motorized Transit (NMT)



Chao Anou Road (after)

Non-Motorized Transit (NMT)



Rue Francois Ngin (before)

Non-Motorized Transit (NMT)



Rue Francois Ngin (before)

Non-Motorized Transit (NMT)



**Thank you very much
for your attention**

