

2016 EcoMobility Days, Quito  
16 October, Alliance Cities Efforts on Sustainable Urban Mobility



  
Kaohsiung  
1-31 October  
**EcoMobility**  
World Festival  
2017

生態交通全球盛典在



# Build a Better Kaohsiung through EcoMobility Approach

Kaohsiung City, Taiwan



# Agenda

1

Kaohsiung

2

Challenges

3

EcoMobility Approach

4

2017 EcoMobility World Festival





- ✓ Largest city in southern Taiwan
- ✓ Kaohsiung harbor :
  - ✓ Largest in Taiwan and top12 in the world
  - ✓ Eco Ports certification in 2014 (First in Asia Pacific region)

Area: 2,946 km<sup>2</sup>

Population: 2.78 million

28°C in average

5% 

75%  
of the area

110 km

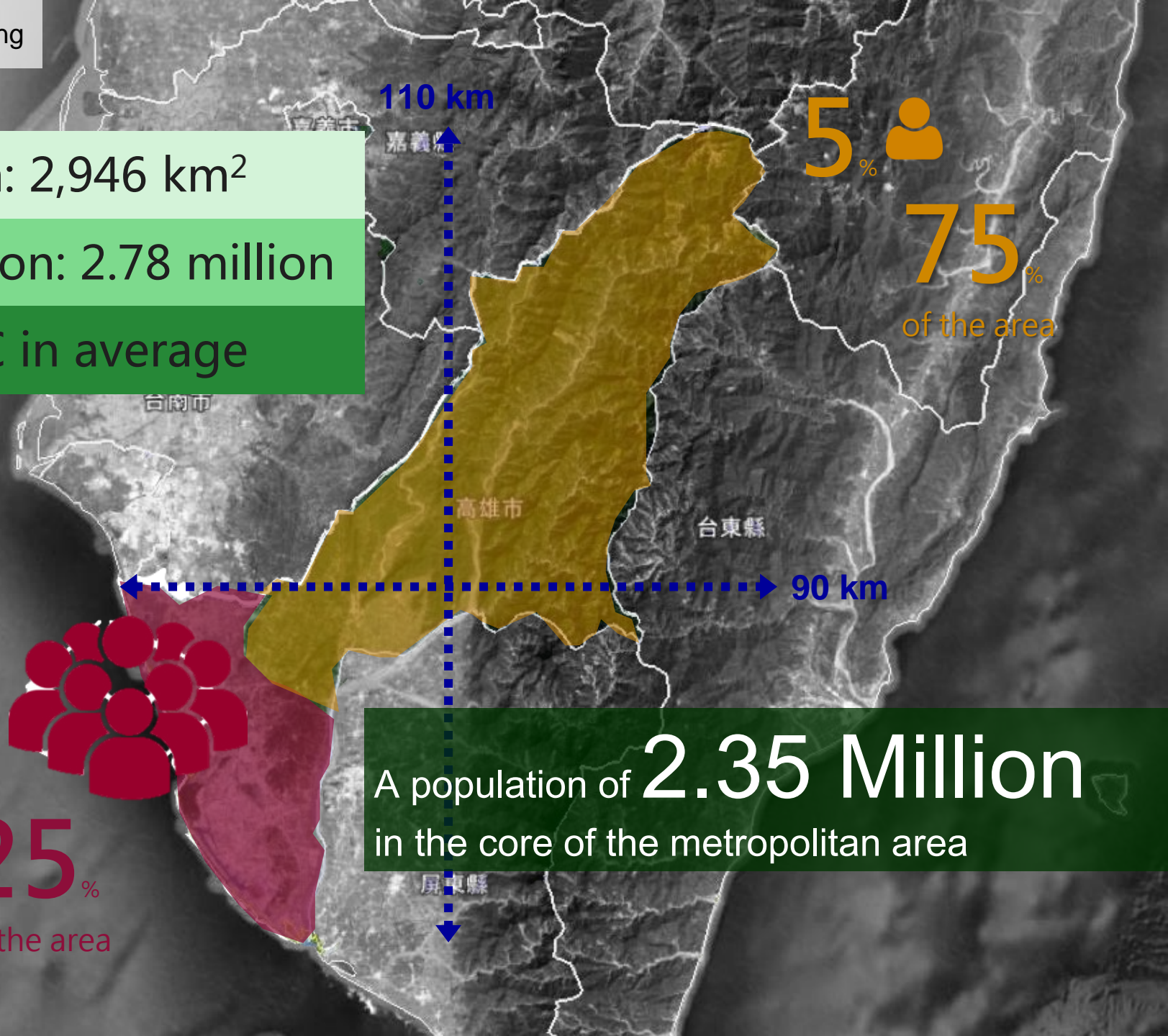
90 km

A population of **2.35 Million**  
in the core of the metropolitan area

95%



25%  
of the area



Kaohsiung  
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WorldFestival  
2017



# 2015國際生態交通 暨綠色交通展覽 2015 Int'l EcoMobility F & Green Transportation Exhibi



**地點**

高雄巿立圖書館總館

**主辦單位**

ICLEI 東亞地區高雄環境永續發展能力訓練中心

高雄巿政府

**指導單位**

ICLEI生態交通聯盟

**協辦單位**

亞洲在台商務協會、日本交流協會



**Mayor Chen Chu  
Chair of ICLEI EcoMobility Alliance in 2016-2017**

# Transport system

Logistics center with harbor, airport, railway

Modes	Numbers
Car	<ul style="list-style-type: none"> <li>0.86 million vehicles</li> <li>242 vehicles/thousand persons</li> </ul>
Scooter	<ul style="list-style-type: none"> <li>2.01 million vehicles</li> <li>719 vehicles/thousand persons</li> </ul>
Bus	<ul style="list-style-type: none"> <li>163 routes</li> </ul>
MRT	<ul style="list-style-type: none"> <li>2 lines / 42.7 km/ 39 stations</li> </ul>
Bike	<ul style="list-style-type: none"> <li>Bike path length: 755km</li> <li>184 stations</li> </ul>
Ferry	<ul style="list-style-type: none"> <li>5 routes</li> </ul>
LRT	<ul style="list-style-type: none"> <li>1<sup>st</sup> : 14 stations/8.7km</li> <li>2<sup>nd</sup> : 22 stations/13.4km</li> </ul>
Air Port	<ul style="list-style-type: none"> <li>2<sup>nd</sup> largest in Taiwan</li> </ul>
THSR	<ul style="list-style-type: none"> <li>90 minutes from Kaohsiung to Taipei</li> </ul>





## 2. Challenges

**Heavy dependence on private vehicles and severe environmental impacts**

- 242 cars/ per thousand people
- 719 scooters/ per thousand people



## 2. Challenges



Air pollution · Climate change  
Cars or scooters cause 6.2% CO<sub>2</sub> emission







## Traffic congestion

Over 80 % trips depend on cars and scooters



# 3. EcoMobility Approach



## Stricter CO<sub>2</sub> reduction goals

- 20% CO<sub>2</sub> emission reduced by (before 2020)
- 80% CO<sub>2</sub> emission reduced by ( before 2050 )



The ecomobility concept establishes a clear priority order for individual choice among various modes of urban transport

1. Walk

2. Cycling  
Wheeling

3. Passenging  
Public Transport

4. Shared

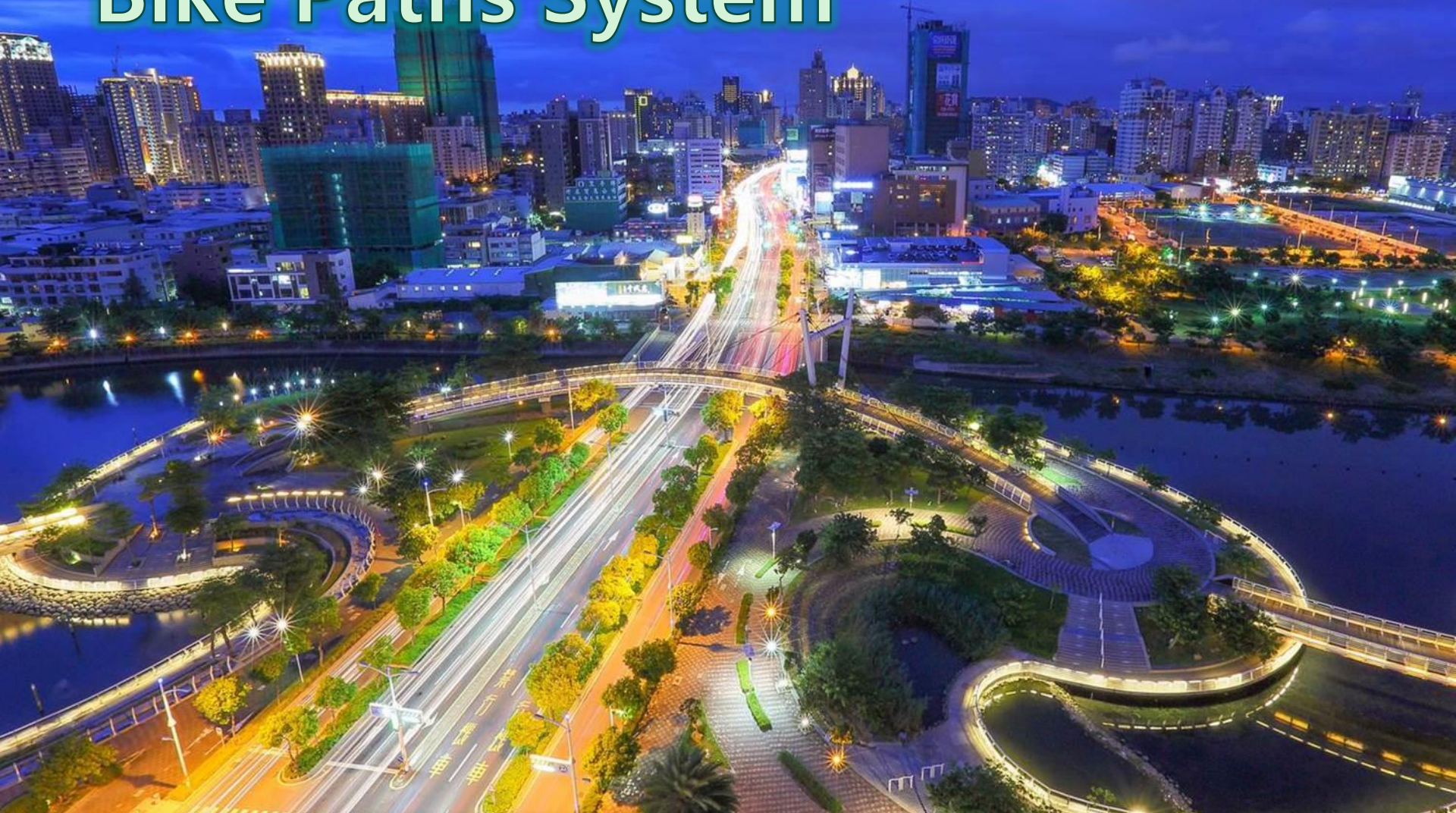


# Pedestrian Environment Improvements





# Bike Paths System



875 km bike paths in the end of 2016,  
and extend to **1,000km by 2018**



# Public Bike Sharing System

**184** stations for now, and will extend to **300** stations in the future



# Low-Carbon Fleet





# Low-Carbon Facilities

- Solar power boats
- Solar power bus stations
- Eco-friendly transfer stations







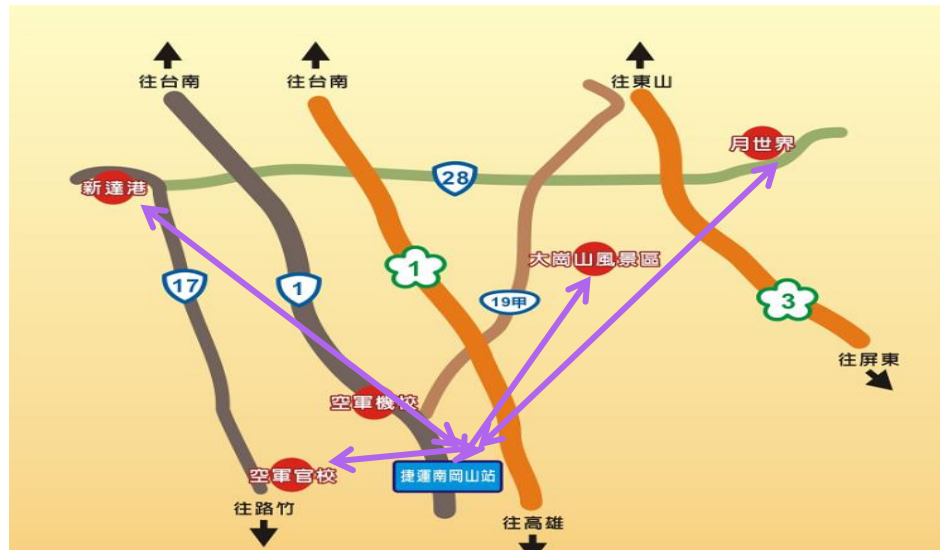
# Electric Car-sharing System



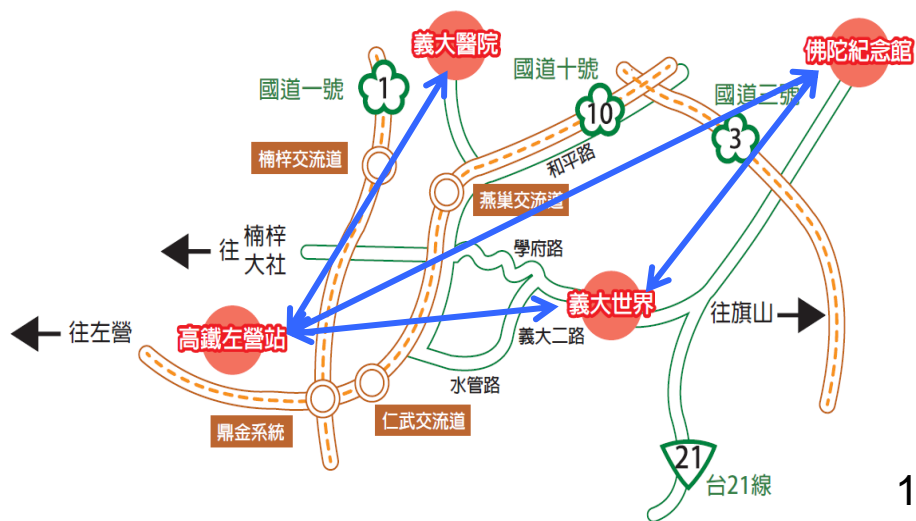


# Taxi Pooling Project

### Northern Kaohsiung taxi pooling routes



### Southern Kaohsiung taxi pooling routes





# Light Rail Transit System

**First LRT system in Taiwan**

**First centenary-free LRT system in Asia**

- Phase 1: 8.7 km in 2016
- Phase 2: 22.1km in 2018

# 4. 2017 EcoMobility World Festival



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**One-month, One-neighborhood, Ecomobile**  
**Livable, Shared, Intelligent**

# (1) Hamasen EcoMobile Neighborhood



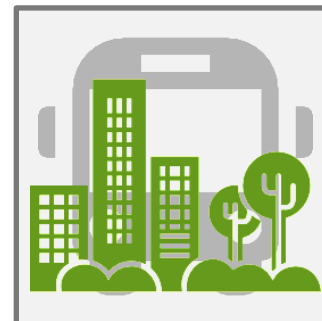
Multi-modal  
transportation



Low-carbon  
vehicles



Shared-  
vehicles



Neighborhood  
improvement



Resident  
engagement



## Case : Main road reconstruction

1. Creating pedestrian
2. Managing the parking space
3. Narrow car path



## (2). Public Engagement



2014. Sep. Bike day



2016.July.21 Uncle Fat





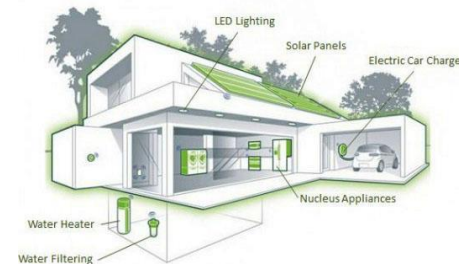


Monthly meeting with local leader

# (3). EcoMobility Expo

- **Exhibition Categories :**

- Green transportation vehicles
- ITS
- Green life (sustainable related products)
- Green energy



# (4). International Conference

- **Date** : October 1-5 in 2017
- **Content** :
  - ✓ Mayors' roundtable
  - ✓ Keynote speech
  - ✓ Panel discussion
- **Conference Delegates** :
  - ✓ Mayors or delegates of member cities
  - ✓ Sister cities of Kaohsiung
  - ✓ Experts or professionals
  - ✓ Organizations of Low-carbon industries
  - ✓ Policy makers

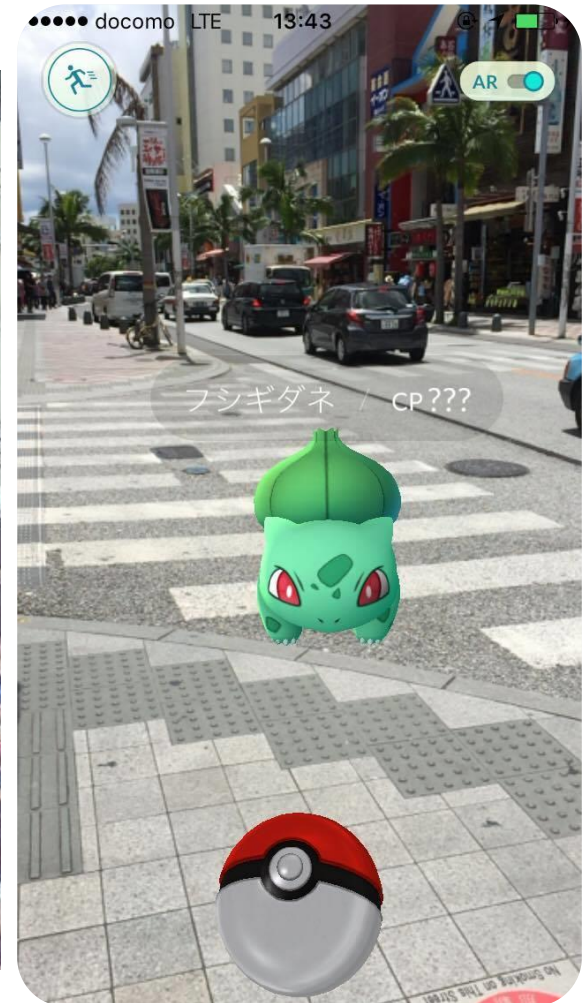






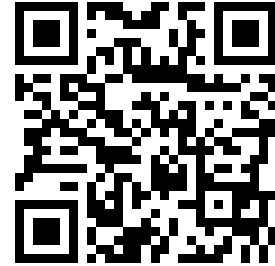
# V.S EcoMobility?!

2016/8 @ Taipei, Taiwan





More information :



International website



Local website

謝謝

Thank You