



Heading to a Low Carbon City Strategies and Actions in Kaohsiung

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Outline

I. Introduction

II. Environmental Strategies and Actions

IV. ICLEI Asia Capacity Center

V. Future Prospects





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Introduction

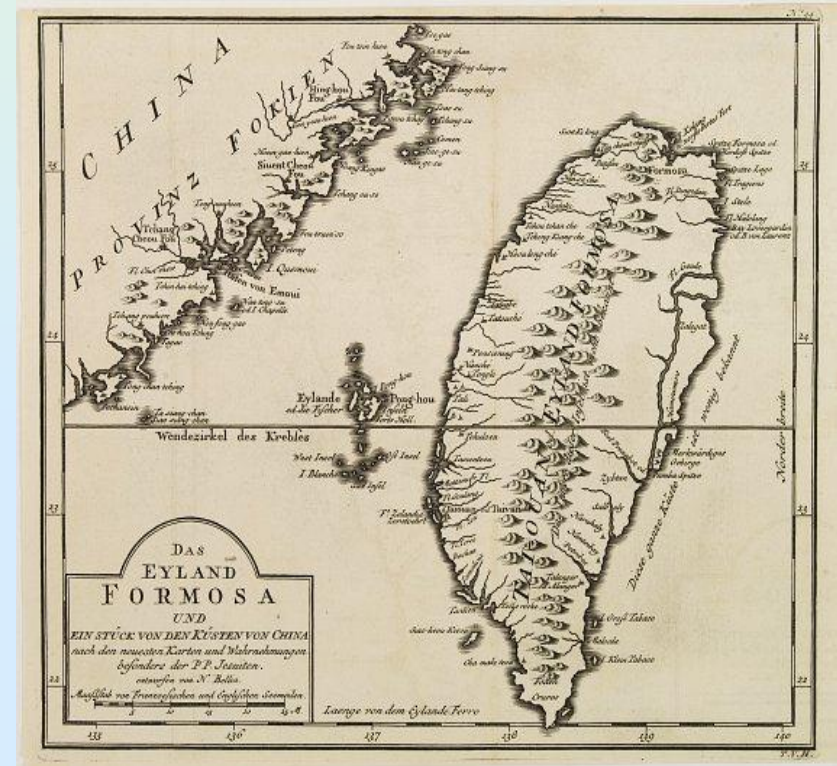
Background Information I

Ilha Formosa (Taiwan)

- A beautiful island
- Called by the first Europeans since 17th century
- An island nation and its seafaring people

Culture

In history, Taiwan has been ruled by the Dutch, the Spanish, and the Japanese. It may have induced multicultural effects. The majority of Taiwanese people can adjust their life styles well.





Introduction

Background Information II

Taiwan

- Area: 36,193 km²
- Population : 23.3 million
- GDP/Capital : USD 20,101 (2011)

Kaohsiung City

- Area: 2,946 km²
- Population : 2.7 million
- 2nd largest city in Taiwan
- Top12 largest Port around the world



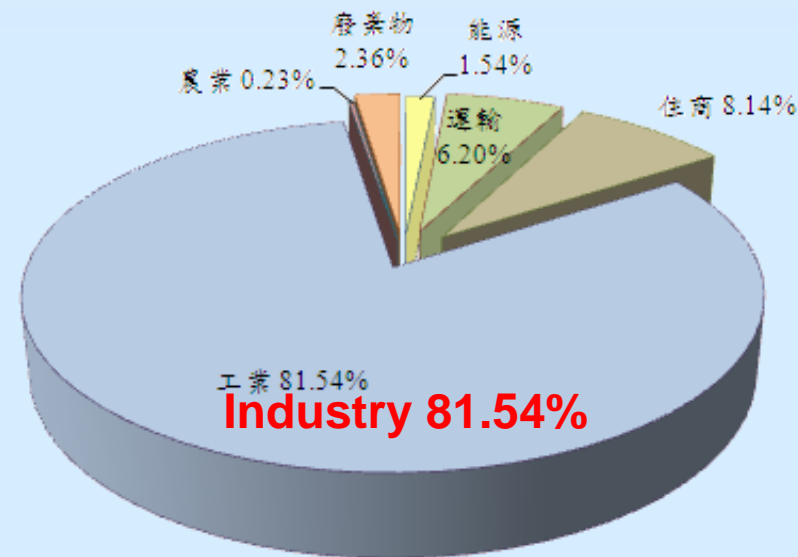


Introduction

Background Information III

Kaohsiung City

- Main Industrial Area in Taiwan
- Steel industry, chemical industry, shipbuilding industry, cement industry etc...
- Annual GHGs Emission : 60 million tons
- GHGs Emission/Capital : 23 tons
- Industrial emission accounts for over 80%
- Actions & Strategies are urgently needed.





Introduction

Background Information IV

Goals

- Mayor Chen set stringent goals
- Vision of Blue Sky, Clean Water, Green Space
- Carbon Reduction:
 - 30% reduction by 2020
 - 50% reduction by 2030
 - 80% reduction by 2050 – compared to 2005

Methods

- Low-carbon technological and industrial park
- Promotion of low carbon transportation
- Low-carbon lifestyle promotion
- Participate in the international





Introduction

Background Information V

Mayor (2006~)

- Chen Chu
- Victim in Formosa Incident Kaohsiung (1980)
- An excellent political leader in Taiwan
- Particularly concerning about social affairs, human right and democracy
- Actively promoting city sustainability

City Transition

- To green city appearance
- Promotion of industrial structure transition
- Revitalizing Kaohsiung International Port
- Cooperating and contributing the international





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Solar Energy

-

- Industrial structure transition
- Increasing energy using efficiency
- Energy & resources integration





Strategies & Actions

Low-carbon Transportation

Biking-friendly Environment

- Over 500 km cycling way, planning to reach 1000 km in 2014
- Public Bikes Rental Systems & Stations
- The No.3 city in 2010 CNN Asia award of “Top5 cycling city in Asia”



Electricity-powered Vehicle & Scooters

- Setting more electric free recharging Stations
- Battery exchange systems for electric scooters



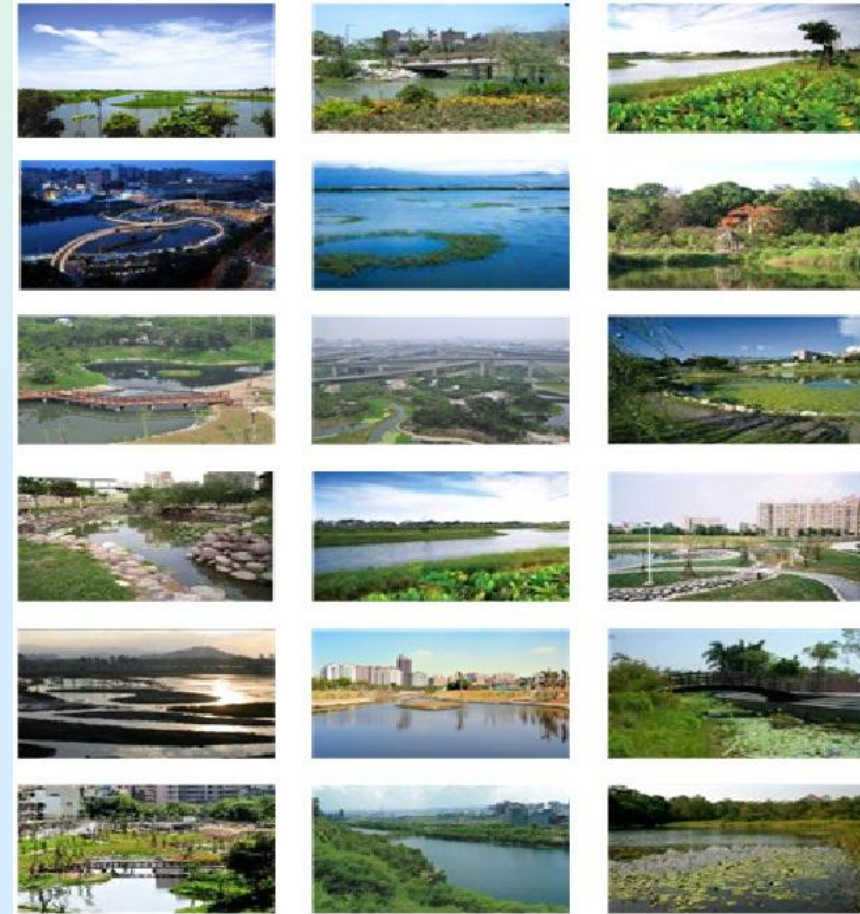


Strategies & Actions

Low-carbon Lifestyle

Wetlands Restoration

- Building ecological corridor
- Carbon fixing
- Urban flood detention
- Providing residents recreational spaces



18 wetland parks, more than 1,000 hectare





Strategies & Actions

Low-carbon Lifestyle

Green Spaces

- Increase recreation space for residents
- Wetlands area: 1,125 hectare
- Public green area per person can be used: 6.1m^2 (No.1 in Taiwan)
- Hydrophilic main river city: 51%





Strategies & Actions

Low-carbon Lifestyle

The International Awards for Liveable Communities

- Hold in the United Arab Emirates, Nov., 22-26.
- Kaohsiung city become a big winner, winning 1 gold, 1 silver, and 3 bronze medals.
- Xiaolin Village Memorial Park, Dadong Arts Center, Youchang Forest Park



Xiaolin Village Memorial Park

- The winner in the “Natural” section of the competition's Project Awards.
- Commemoration of the 462 villagers died in Typhoon Morakot in 2009.





Strategies & Actions

Participate in The International

Participating in International Organizations

- Being an ICLEI member since 2006
- Became an UCLG(United Cities and Local Governments) member in 2012



Holding International Conferences and Events

- 2012.05 UK-Taiwan International Forum on City Adaptation Action and Low Carbon Society Development
- 2012.12 US-Taiwan Sustainability Symposium: Creating Sustainable Cities and Promoting Sustainable Port in the Asia Pacific Region
- 2013.10 Asia Pacific Cities Summit (APCS)





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Kaohsiung Capacity Center

ICLEI in Kaohsiung

2006 ✓ Joined ICLEI

2007~2008

- ✓ Invited Taiwanese cities to join ICLEI
- ✓ Ten Taiwanese cities are ICLEI member now

2011

- ✓ Signed the Bonn Declaration of 2010
- ✓ Signed LAB MOU

2012.04

✓ Signed for establishing ICLEI Kaohsiung Capacity Center

2012.09

- ✓ Operation of ICLEI Kaohsiung Capacity Center





Kaohsiung Capacity Center

Capacity center in Kaohsiung

Location

- ICLEI Kaohsiung Capacity Center is located at Open University of Kaohsiung(OUK).
- With abundant resources and administrative support from OUK
- Near the Kaohsiung LinHai Industrial Park





Kaohsiung Capacity Center

Capacity center in Kaohsiung

LAB MOU

- The international Conference on Local Action for Biodiversity (LAB) in Kaohsiung
- International exchange on the biodiversity and protection experience, strategy and action.



Mentor City

- As a mentor city of the city of Male, Maldives
- Inviting the mayor of Male for field-trip in Kaohsiung



Kaohsiung Capacity Center

Capacity center in Kaohsiung

Plans for 2013

- Field Visits in the city of Male, Maldives
- The establishment of Kaohsiung City Biodiversity database
- International Symposium on Resilient City
- International Symposium on Local Action for Biodiversity





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Future Prospects

Future Prospects I

Kaohsiung's Target

- Set up higher carbon reduction targets than the international standards
- Commitment the vision of Blue sky, clean water, green space
- The transition from an industrial city to a low-carbon eco-city
- Sub-tropical eco-city model





Future Prospects

Future Prospects II

ICLEI Kaohsiung Capacity Center

- Continually holding workshops
- Sharing experience to other member cities
- Providing a platform for ICLEI operation in the East-Asia which includes Chinese region
- Local action to increase community participation and eco-friendly awareness among citizens with Kaohsiung City government and OUK..





Thanks for your attention