The Current Situation of Ecomobility Policy in Changwon
Introduction of Changwon

A role model for local development in Korea

Korea’s first machine industrial city
→ Transformed into a tourism and cutting-edge industrial city

- Population: 1.07 Million
- Area: $747.07 \text{ km}^2 \times \text{Seoul 605.52 km}^2$
- Budget: 2.51 Trillion Won (2.21 Billion Dollars)
- GRDP: 32.52 Trillion Won (28.67 Billion Dollars)

2010.7.1 A NEW metropolitan-level Changwon established through the integration of Changwon+Masan+Jinhae
Current Ecomobility Issues by Sector

Environment Capital Changwon Project (2006)

Phase-in ecomobility to create clear and blue skies

Promote Bicycle Use 2007

Improve Pedestrian Environment 2010

Supply Eco-friendly Cars 2011

Bicycle Metropolitan City Project

Create pleasant and safe pedestrian environments

Supply electric and hydrogen powered cars
Promoting Bicycle Use

**Infrastructure**

- Bicycle roads: 209 paths, 603 km
- Storage facilities: 1,296 sites, 16,735 slots
- Bicycle pumps: 151

**NUBIJA**

- Terminal: 270 sites
- Nubija: 3,932 bikes
- Members: 250,000
- 15,000 uses daily
- 5,488 ton CO2 reduction (as of 2016)

**Education**

46 education sessions conducted for students, housewives, office workers, and the elderly. 8,010 people completed the course. (as of 2017)
Current Ecomobility Issues by Sector

Pedestrian Environment

- Urban Forest Trails
- Creating a greenway utilizing scrapped railways
- Seaside Promenade

[Create a pleasant and safe pedestrian environment where people want to walk]
Current Ecomobility Issues by Sector

Pedestrian Environment

Greenway _ Create tourism infrastructure by applying different themes at each checkpoint

Before

After
Pedestrian Environment

Yongji Lake - Create tourism infrastructure using different scenery lighting
Current Ecomobility Issues by Sector

Eco-friendly Cars

**Electric Cars**
Designated by the Ministry of Environment as the “Pioneering City of Electric Cars” (2011)

- Vehicles: 558 cars (4th highest in Korea)
- Charging Stations: 50
- Subsidies: 16,500 USD per car
- 1,357 ton CO2 reduction in 2016
- 860,000 USD saved in fuel cost (gasoline)

**Hydrogen Fueled Cell Cars**
Designated by the Ministry of Environment as the “Main Hydrogen Fueled Car City” (2015)

- Vehicles: 47 cars (highest in Korea)
- Charging Stations: 1
- Subsidies: 32,700 USD per car
- 28 ton CO2 reduction in 2017
- 2.9 Million mg of fine dust purified
Current Ecomobility Issues by Sector

Eco-friendly Cars

Goal of supplying 10,000 eco-friendly vehicles by 2022

Expand supply of eco-friendly transportation vehicles

Expand charging facilities
Current Ecomobility Issues by Sector

Introduce an urban railway Tram by 2025

Promote new transportation means that utilizes existing railways as a tourist attraction
Ecomobility Effort Results

Ecomobility policies cooperating with the people

Beginning of Implementation

Finalization of Implementation
Ecomobility Effort Results

Share ecomobility cases and contribute to the expansion of ecomobility
Thank you