EcoLogistics Implementations in Taoyuan City

Dr. Chinghui Liao
Local Coordinator of ICLEI EcoLogistics Community Chair Office, Taoyuan
Introduction of Taoyuan

Basic Information:
- Population: 2,262,440 people
- Area: 1,180 km²
- One of the most important economic and trade hubs in the Asia-Pacific region
- Taiwan International Gateway — where Taoyuan International Airport is located

Logistics development strengthens:
- 32 registered industrial zones
- TOP1 GDP earner in Taiwan (100 billion US dollars / 88.2 billion Euros)
- Home of more than 1,800 logistics operators (nearly 80% of Taiwan's logistics industry)
5 EcoLogistics Demo Sites in Taoyuan

- **Shalun Green Warehousing Park**
  - On-going
  - Ecological landscape
  - Smart transportation
  - Smart green building

- **Airport Storage and Logistics Area**
  - Developed
  - Land planning and management
  - Air quality protection
  - Low carbon vehicles introduction

- **Qingpu Green Energy Logistics Cluster**
  - Developed
  - Automated warehouse
  - Green building designs
  - Green energy development

- **Chunghwa Post Logistics and Huaya S&T Park**
  - On-going
  - Smart logistics
  - Low-carbon vehicles and fleets
  - Diesel power check station and self-management of fleet

- **Daxi Business District**
  - Developed
  - Low-carbon vehicles Promotion
  - Green and quiet consolidation station
  - Traffic management
  - Smart delivery
Learnings from the local ecologistics implementations in Taoyuan

1. It’s meaningful to implement 8 EcoLogistics Principles Low-emission urban freight for sustainable cities into city policies
2. Local governments are with limited authority and data accessibility when deal with logistics industry in Taiwan. National support are needed.
3. The supply-demand paradox in logistics industry: low social image of logistics has chased it into gray and margin zones.
4. Stakeholder engagement (including cross sectoral and cross public-private) is extremely crucial but difficult. Taoyuan is still working on better solutions for this.
Thank you!

Chinghui, Liao, Ph.D.
ICLEI生態物流社群. 台灣聯絡人
Local Coordinator for ICLEI EcoLogistics Community
Tel: 886-926-292010
E-mail: chinghui.liao.00@gmail.com
ecologistics@iclei.org
Facebook: EcoLogistics in Taiwan
EcoLogistics Principles Low-emission urban freight for sustainable cities

① Shift to alternative delivery options
② Commit to safer urban delivery vehicles for safer streets
③ Integrate land use planning for freight delivery
④ Support consolidation strategies for urban deliveries
⑤ Optimize the efficiency of delivery operations
⑥ Promote multi-stakeholder decision making structures
⑦ Create frameworks for climate-friendly business models
⑧ Embrace the future of sustainable logistics