

# Cities SHIFT

Capacity building and networking for  
climate - and people-friendly mobility



CitiesSHIFT Webinar #2

## Accelerating electrification in public transport: Policy and financing framework

Thursday 4 July 2019 10:00 CEST

## CitiesSHIFT Webinar #2

# Accelerating electrification in public transport: Policy and financing framework

### Agenda

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Introduction by Tsu-Jui Cheng

Presentation by Hannah Murdock, Project Manager & Analyst, REN21

*The Transport Sector in the Energy Transition: Findings from the Renewables 2019 Global Status Report*

Presentation by Chen Jingyi, Clerk, Management Committee of Sino-German Industrial Service Zone, China

*Electrification of public transport in Foshan, China*

Presentation by Shen Yubin, Deputy director, Shenzhen Urban Transport Planning & Design Institute, China

*Low carbon transport: Introduction of new energy buses in Shenzhen*

Questions and answers

Final remarks

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# Electrification in transport sector

- Globally, transport sector accounts for **24% of GHG emissions**
  - Only **3%** of the transport sector has taken up renewable energy
- Countries and regions have announced progressive approaches since 2017 to **phase out fossil fuel-powered vehicles**
  - 2025: Norway
  - 2030: Denmark, Ireland, Israel, Nepal, Netherlands, Slovenia, Sweden...
  - 2032: Scotland
  - 2040: British Columbia, California, France, Portugal, Spain, Sri Lanka, United Kingdom...
  - 2050: Cabo Verde, Costa Rica, Japan, Mexico...

(sources: Ren21, 2018. Global Status of Renewable Energy in Cities; SLoCaT, 2019. E-mobility Trends and Targets)

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# Electrification in public transport

- **Cities** are following actions as taken by national governments
  - Seoul to phase out all diesel buses by 2027
  - New Delhi to introduce 1,000 fully-electric buses in 2018-2019
  - Rotterdam to make its buses 100% zero emission by 2029
  - Los Angeles to introduce 2,300 electric buses by 2030
  - Buenos Aires to pilot electric buses as part of Clean Mobility Plan 2035
- Questions remain
  - **How quickly can this transition happen?**
  - **What role can the public and private sectors play in accelerating this process?**

(sources: SLoCaT, 2019. E-mobility Trends and Targets)

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### Moderator

### Presenters



#### **Tsu-Jui Cheng**

Program Manager of  
Sustainable  
Mobility/EcoMobility  
ICLEI World Secretariat  
Bonn, Germany

#### **Hannah E. Murdock**

Project Manager &  
Analyst, REN21  
Paris, France

#### **Chen Jingyi**

Clerk, Management  
Committee of Sino-  
German Industrial  
Service Zone (Foshan  
New City)  
Foshan, China

#### **Shen Yubing**

Deputy director,  
Shenzhen Urban  
Transport Planning &  
Design Institute  
Shenzhen, China

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# THANK YOU!

## 12 Kaohsiung Strategies for the Future of Urban Mobility



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