

# **REN21** RENEWABLES NOW



#### **REN21: the only global renewable energy multi-stakeholder community**



COP25, Madrid



## AN INTERNATIONAL POLICY NETWORK TO BUILD A SUSTAINABLE ENERGY FUTURE WITH RENEWABLES

RENEWABLES IN CITIES 2019 GLOBAL STATUS REPORT

**Renewables** in Cities

**Global Status Report** 

Knowledge



Who we are



Global Status Report: yearly publication since 2005



**Regional Reports** 



Global Futures Reports



Thematic Reports



🚀 REN**21** 

Network and Community **Debates** 



23-25 October 2019



#### **Beyond power**

#### Over 80% of demand for heating, cooling and transport



Note: Data should not be compared with previous editions of the Renewables Global Status Reports. Electricity also supplies final energy demand in the heating and cooling sector (7.1% in 2016), and transport sector (1.1% in 2016).

Source: Based on OECD/IEA.

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#### Cities in the world





## **Cities' Multiple Roles in the Energy Transition**

Role in decarbonising municipal operations and city-wide energy use



	Municipal	City wide	State/ Provincial	National
Target setters				1.1
Energy consumers				
Energy producers				1.1
Owners & operators of infrastructure				1.1
Regulators & policy makers				1.1
Facilitators/aggregators				1.1
Financing entities				1.1
Urban planners				1.1
Champions, trendsetters and advocates				
Direct city influence	"Secondary" city infl	luence Ma	rginal city influence	



### **Renewable fuels in cities**

#### Electrification of urban transport beyond metros and light rails

 Transport electrification is expanding rapidly

- increased 11% globally in 2018
- Emergence of new forms of emobility



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Global Electric Vehicle Markets, 2018



## **Electric Vehicles in Cities**

# 40% of all EVs are clustered in 20 cities (3% of global population)

#### Electric Car Global Stock, Top 5 Countries and Rest of World, 2014-2018

# Most of the world's electric buses are deployed in China

Electric Bus Global Stock, China and Rest of World, 2012-2018







www.ren21.net/gsr