

# **EUROPE**

# World Energy Markets **Observatory**

## Map Of Europe Carbon **Pricing Policy Initiatives**





Europe leads the way in energy transition

CO2 target will be reached and surpassed in 2020

Renewables are becoming cost competitive

Battery energy storage is ready for market take off.

Gas and electricity retail prices falling but moderately for residential electricity price

- ETS implemented or scheduled for implementation
- Carbon tax implemented or scheduled for implementation
- ETS or carbon tax underconsideration
- ETS and carbon tax implemented or scheduled
- Carbon tax implemented or scheduled, ETS under consideration

Source : Carbon Pricing Watch, Ecofys, World Bank, May 2017 - WEMO2017

### Customers seeking more involvement and price efficiency

Smarter grids allow renewable increase in the electricity mix

Use of massive data, mobility, robotics and AI, should lead to plants performance improvement

## Investment in renewables rose modestly to nearly €59 billion in 2016 compared to €56 billion in 2015

### New investments in clean energy in Europe: 2004 - 2016 (\$Bn)



undisclosed deals. Excludes corporate and government R&D, and spending for digital

### Electric vehicles become more popular in Europe

### Market share of electric passenger cars (battery electric and plug-in hybrid)



### Utilities are collaborating with other smart home players and ecosystems to build and push new offers to customers.

#### Revenue in the Smart Home Market in Europe in million US\$

25



#### For more information, please visit:

www.capgemini.com/WEMO