Clean energy and e-mobility perspective – what does it take to make it happen?

Greenit
amsterdam region

Green IT Amsterdam

✓Non-profit and network organization

✓Support the wider Amsterdam region in realizing its **energy transition goals**

✓Scout, test and showcase **innovative IT solutions** for increasing energy efficiency and decreasing carbon emissions

✓We share knowledge, expertise and ambitions, for achieving these sustainability targets

City trends in EVs & renewable energy

- **EV market** is exploding: electric mobility grows faster than renewable energy in the city.

- **Charging infrastructure**: development, organization, finance.

- Large scale **projects** are scarce: requires funding & long-term investments

- **Policies** in the different EU countries are **fragmented & instable**

➢ **Need for coherence between sectors and across the different member states.**
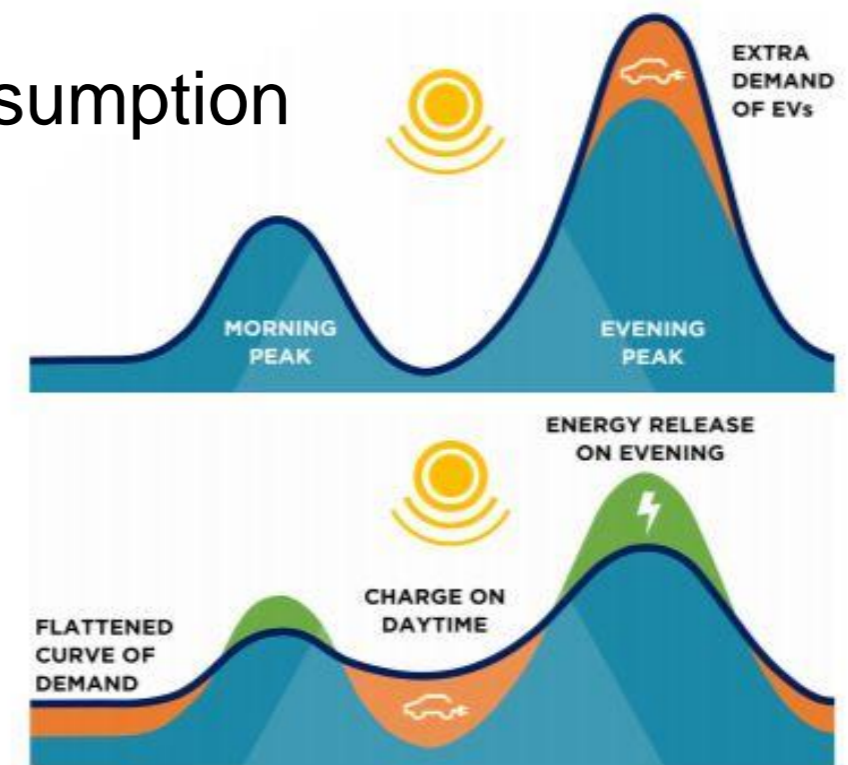
Developments

- Cities are the main energy consumers, but also offer the greatest opportunities for change.
- Two important technologies are currently gaining momentum in European cities: Electric vehicles (EVs) and renewable energies.
- Both technologies offer a high potential for climate change mitigation.

Challenge: Mismatch between production and consumption

✓ **Intelligent integration into the energy and mobility system is crucial**

EV ENERGY PROJECT

Lead partner:

Green**it**
amsterdam region

Partners:

Cambra de Comerç de Barcelona

EVR

ANCI LAZIO

ktu kaunas university of technology 1922

PROVINCE OF FLEVOLAND

Tillväxt- och regionplaneförvaltningen
Growth and Regional Planning

Low-carbon economy

€ 0.89 M ERDF

Jan 2017 Jun 2021

Needs for addressing

- Europe's intelligent integration of EV and RES with ICT
    - Clean cities development
    - Innovative framework policies
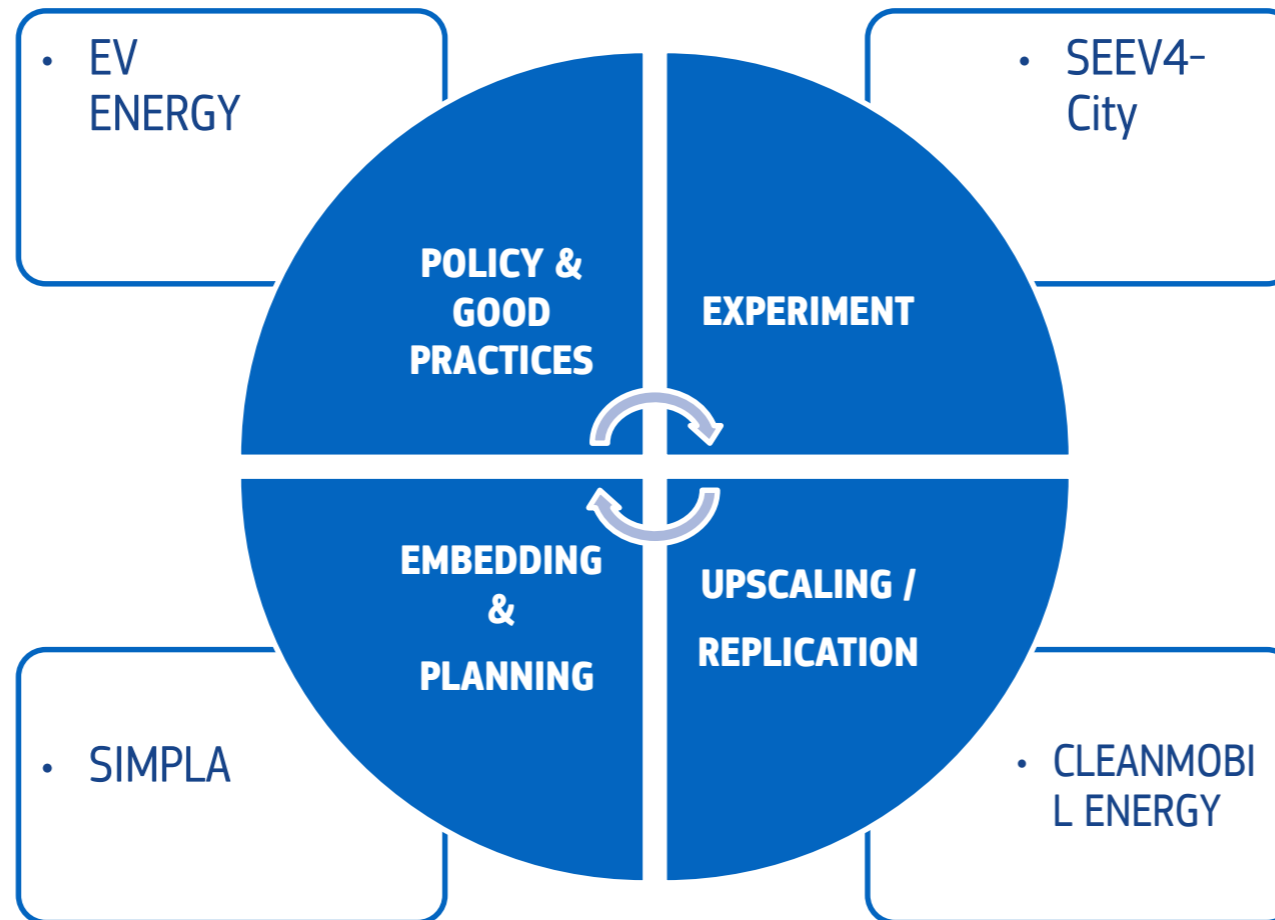
✓Decarbonisation of Energy and Mobility sectors

Overcoming urban challenges

- Interregional policy and good practices **learning**;

- **Transferring** the most appropriate policies and good practices to cities & regions;

- Large-scale **implementation** & long-term monitoring

✓**Identified best practices and policies are further disseminated for the benefit of the widest possible audience**

Creating a visible impact

- To reach a more visible impact, we need large-scale demonstration projects

- Create awareness about the implications at different levels:
    - Technical
    - Financial
    - Social

- Experiences needed to define policies and regulations

The policy – projects cycle

EV ENERGY approach

Thank you !

Green**it**
amsterdam region