EMOBILITY WORKS

Results and legacy

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The first electric vehicle was build by Gustave Trouvé and driven for the first time in 1881 in Paris. Combustion vehicles followed five years later.
Transport - current situation

In 2013, emissions from transport (including aviation) were 19.4% above 1990 levels, despite a decline between 2008 and 2013.

Emissions will need to fall by 67% by 2050 in order to meet the long-term reduction target of the 2011 Transport White Paper.
Electromobility – a possible solution

- Electric cars have compared to conventional cars a higher "tank-to-wheel" efficiency. An electric car converts on average 65-85% of the energy into kinetic energy.
- If energy from renewable sources is used, an electric vehicle produces no CO$_2$.
- Cars can be replaced by e-bikes and in that way reduce congestion.
- Electric vehicles reduce noise emissions.
Emobility Works – Results and legacy

• Municipalities play an important role as they are drivers for the implementation of new and sustainable transport concepts
• Municipalities act as catalyst by promoting e-mobility through targeted projects in the urban area and integration into climate protection strategies
• Approach of Emobility Works assures sustainable results as it combines systematic integration in municipal processes, mobilisation of stakeholders and implementation of concrete measures
Steps to success

1. Commitment of decision makers
2. Stakeholders involvement
3. Analysis of fleets and behaviours
4. Formulation of an Action Plan
5. Implementing the Action Plan
1. Ensuring the commitment of municipalities

- 33 municipalities and neighboring municipalities involved
- Intensive discussions with stakeholders and in the city council
- Clear commitment of Mayors and political representatives
- Support by administration of different division (Climate protection, transport, public relation, etc.)
2. Inclusion of local stakeholders

- Creation of local networks
- Information of stakeholders
- Involvement of target groups
- Creation of business models
3. Status quo analysis

- Analysis about strengths and weaknesses, potentials and options regarding e-mobility
- Presentation and discussion with stakeholders
- Analysis will be the basis for future activities and funding
4. Action Plan development

- Tailor made approaches to tap existing potentials
- Participation of stakeholders
- Action plans officially approved by the municipalities including investment decision
5. Implementation of the Action Plan

- More than 50% of planned measures already implemented or ongoing
- Measures include investments in new vehicles, free parking zones, installation of public charging stations, revision of public procurement rules, information, dissemination and consulting measures and the implementation of car and bike sharing services
Results in figures

- 33 municipalities involved
- More than 500 Stakeholders approached and informed
- 29 action plans developed
- 168 Companies contacted and consulted
- 398 new vehicles purchased
- 118 charging stations newly implemented
- 5.5 Mio. € of investment
In the long run - The legacy

- Action plans will be followed up, controlled and updated
- Municipal purchasing guidelines have been revised with target of a clear priority of e-mobility
- Integration into regional climate protection and transport concepts
- Supported business models and cooperation will generate regional added value
And what do the experts in the municipalities think about emobility?

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