MESSAGES AND FOLLOW UP

THE PEP RELAY RACE

KLIMAAKTIV MOBIL CONFERENCE

DECARBONISATION

ZERO EMISSION MOBILITY STARTS TODAY

VIENNA 13-15 JULY 2016

Robert Thaler, Head of Division Mobility, Transport, Noise
Austrian Ministry of Agriculture, Forestry, Environment and Water Management

klimaaktivmobil.at
umweltfoerderung.at/verkehr
bmlfuw.gv.at
MESSAGES OF THE PEP CONFERENCE VIENNA JULY 2016

Decarbonisation – Zero emission mobility starts today!
Objectives require decarbonization & zero emission mobility

Global: UNFCC Paris Climate Agreement, UN Sustainable Development Goals

Pan European: UNECE WHO THE PEP Paris Declaration 2014

EU: Climate and energy targets 2020

- + 20% renewable energy, + 20% energy efficiency, -20% GHG
- 10% share renewable energy in transport

EU Climate and energy targets 2030

- + 27% renewable energy, + 27% energy efficiency, -40% GHG (basis 1990)
- -43% ETS, -30% non ETS GHG (Effort Sharing) (basis 2005)

EU Low Carbon Economy Road Map 2050/EU White Paper on Transport:

- -80 % GHG reduction by 2050 / -60% GHG emissions of transport by 2050
Objectives relevant for decarbonization & zero emission mobility

**Austria:** Climate and energy targets 2020 – Austrian Climate Act 2020 (KSG)

- +34% renewable energy, +20% energy efficiency, -16% Non ETS GHG
- 10% share renewable energy in transport – biofuels + electricity /e-vehicles, rail

Austrian Climate and energy targets 2030 (to be decided)

- +??% renewable energy, +??% energy efficiency, -36% Non ETS GHG (effort sharing)

New Austrian Energy and Climate Strategy 2030 (development is starting)

- Public consultation on green book started, elaboration 2016-2017

**Austrian Transport Plan**

Implementation Plan for electro-mobility in and from Austria

**Masterplan Cycling** and **Masterplan Walking**
Elements of a strategy for decarbonization & zero emission mobility

- Electrification of the whole transport system in particular e-vehicles, e-railways, e-public transport, e-busses, e-LDV, Hybrid HDV, construction machinery etc

- Renewable energy in transport: electricity based on renewables, advanced sustainable biofuels 2. generation, biomethane, hydrogen based on renewables

- Extension of infrastructure and networks of railways and public transport, including demand oriented taxis, busses, carsharing and promotion of cycling and walking
Elements of a strategy for decarbonization & zero emission mobility

- Mobility Management to reduce transport demand, increase of efficiency and better logistics, promote modal shift/eco-driving, carsharing and multimodal mobility
- Energy saving land use planning instead of urban sprawl and suburbanisation
- Economic and fiscal incentives
- Awareness rising, creating partnerships and supporting companies cities etc for taking action
KEY MESSAGES FOR FUTURE:

- Establishing supportive frameworks to promote green and healthy transport and mobility in national and Pan European level (THE PEP)

- New Green Deal: Focussing investments of IFIs and Member States on green mobility e.g. alternative vehicles, renewable energy, electro-mobility, rail, busses, public transport, cycling and walking, revitalization of cities

- Developing co-operations on green and health-friendly mobility in THE PEP Partnerships and following up THE PEP Workshops
LESSONS LEARNED: INVESTING IN DECARBONIZATION & GREEN MOBILITY BRINGS

> Benefits for environment and better quality of life for citizens
> Benefits for transport and economy due to funding of investments and promotion of jobs, increasing transport efficiency and cost savings
> Benefits for health due to cleaner air, increased physical activity, traffic safety and social benefits due to better mobility choices for all!

Everybody - every company and fleet operator, every city and region, every tourism actor, every citizen can decarbonize, reduce CO2 and environmental pollution!

DECARBONIZATION & GREEN MOBILITY STARTS TODAY!
LETS START!

Thank you for your attention!
AUSTRIAN FOLLOW UP SHOWCASES

KLIMA AKTIV MOBIL
NATIONAL PROGRAM TO PROMOTE GREEN MOBILITY

8,400 klimaaktiv mobil projects save 640,000 tons CO₂ per year!

~5,000 companies (~425,000 t/y)
~700 cities, municipalities & regions (~105,000 t/y)
~650 tourism- & leisure-time organisations (~80,000 t/y)
~250 schools

maps.klimaaktivmobil.at
KLIMAAKTIVMOBIL

klimaaktiv mobil motivates and supports …
> cities, municipalities and regions
> companies, fleet operators, constructors
> tourism and events
> schools and youth groups
to implement mobility projects for reducing CO2 and pollution

klimaaktiv mobil is undertaken by …
Ministry of Agriculture, Forestry, Environment and Water Management in cooperation with the Austrian Economic Chamber the Associations of Cities and Municipalities, the Austrian Federal States, companies, cities
5 PILLARS OF KLIMAAKTIV MOBIL

• **Advisory programs**
  ...for companies, fleet operators / cities, municipalities and regions / tourism, leisure / children, parents and schools / Eco-Driving Initiative

• **Funding program**
  ...for Mobility Management / Cycling / Fleet changes

• **Information and Awareness Raising**
  ...for climate friendly mobility

• **Education and Certification**
  ...esp. Eco-driving trainers, Driving school certification, cycling mechanics, Youth mobility coaches

• **Partnerships and Awarding**
  ...awards for commitment for climate protection
KLIMAAKTIV MOBIL FUNDING SYSTEM

• **Funding Rates:**
  20% of eligible costs for companies & municipalities
  up to max +10% Funding bonus:
  +5% quality bonus for well coordinated bundles of measures
  +5% network bonus for cooperation projects with several partners
  +5% for corresponding awareness raising
  depending on:
  emission reduction in CO₂, NOx, particulate matter

• **Funding Flat Rates:** e.g. e-cars, e-caddies, e-buses, e-scooter,
  e-bikes, e-charging stations 100% renewable electricity
  alternative vehicles min 50% biofuels/biogas
  cargo bikes / bike parking
NEW:
PROMOTION PROGRAM FOR ELECTRIC MOBILITY WITH RENEWABLE ENERGY IN AUSTRIA

Ministry for Environment and Ministry for Transport in cooperation with Automobile importers, two-wheel importers and sports retailers: € 72 mio. for 2017-2018!
ELEMENTS OF THE PROMOTION PROGRAM:

1. Financial support for e-cars for private drivers (NEW!) & companies, local authorities, associations
2. Financial support for all other e-vehicle categories (e-bikes, e-minibuses, light e-commercial vehicles, e-bikes, etc.)
3. Financial support for expansion of e-charging infrastructure
4. E-mobility management, e-logistics and electric public transport
5. Regulatory framework conditions
6. Procurement by public authorities
7. Continuous research, development and demonstration projects
1. PROMOTION OF E-PASSENGER CARS FOR PRIVATE DRIVERS & COMPANIES

• financial support for private drivers (M1, N1 ≤ 2,5 to)
  – € 4.000,- for BEV (Battery Electric Vehicle) and FCEV (Fuel Cell),
  – € 1.500,- for PHEV (Plug-In Hybrid) and REEV, REX (Range Extender)

Support of cars with max. € 50.000,- gross list price only (basic model without special equipment), at least 40 km full electric range. PHEV, REEV, REX with diesel propulsion are excluded from the promotion.

• financial support for companies, local authorities, associations (M1, N1 ≤ 2,5 to)
  – € 3.000,- for BEV, FCEV
  – € 1.500,- for PHEV, REEV, REX

PHEV, REEV, REX with diesel propulsion are excluded from the promotion.

Prerequisite: 100% electricity from renewable energies!
2. BROAD PROMOTION FOR FURTHER VEHICLE CATEGORIES

- promotion of e-motorcycles for private users as well as companies
  - € 750,- for E-Scooter, E-Motorcycle (L1e,L3e)

- promotion of further vehicle categories for companies, local authorities, associations:
  - € 1.000,- for E-Light Vehicles (L2e, L5e, L6e, L7e)
  - € 20.000,- for E-Minibuses, E-Light Commercial Vehicles (M2, N1>2,5)

Prerequisite: 100% electricity from renewable energies!
3. CONSISTENT ESTABLISHMENT AND EXPANSION OF E-CHARGING INFRASTRUCTURE

- promotion of public accessible charging infrastructure:
  - from € 200,- for a wallbox up to
  - € 10.000,- for a fast charging station (AC ≥43 kW, DC ≥50 kW)
- promotion of public accessible charging infrastructure as a bonus in combination with an E-car:
  - € 200,- for a Wallbox (up to 22 kW) or a charging wire

Prerequisite: 100% electricity from renewable energies!

- initiative of the Austrian Railway Company (ÖBB) and the Austrian Highway Operator (ASFINAG)
4. E-MOBILITY MANAGEMENT, E-LOGISTICS AND ELECTRIC PUBLIC TRANSPORT

• Further electrification of rail and bus traffic

• promotion of E-mobility management and electric car fleets of companies for large fleets, e-buses and e-commercial vehicles:
  - up to € 60,000,- for E-Bus (M3 with more than 39 seats)

Prerequisite: 100% electricity from renewable energies!
5. REGULATORY FRAMEWORK CONDITIONS

- green vehicle identification plate
- new road sign: parking only for e-vehicles while charging
- driver's license law
- amendment of the consumer information for the marketing of new passenger cars

6. PROCUREMENT BY PUBLIC AUTHORITIES

- consideration of e-vehicles in calls for tenders by the Federal Procurement Agency (BBG)

7. CONTINUOUS RESEARCH, DEVELOPMENT AND DEMONSTRATION

- lighthouse projects and urban mobility
- connection of model regions: e-mobility in practice
The promotion is carried out with already existing instruments of the Ministry for Environment and the Ministry for Transport:

- National environmental promotion (UFI)
- Climate and Energy Fund
- klimaaktiv mobil

Kommunalkredit Public Consulting GmbH (KPC) acts as a One-Stop-Shop
SUCCESSFUL START OF THE PROMOTION!

Number of applications for E-Cars BEV, PHEV, REX, REEV (3rd of July 2017)

<table>
<thead>
<tr>
<th>Private</th>
<th>Companies</th>
<th>TOTAL</th>
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<tr>
<td>1.079</td>
<td>1.580</td>
<td>2.659</td>
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thereof about 90% BEV + about 10% PHEV, REX, REEV

+ about 450 E-Scooters and E-Motorcycles

-> in total already more than 3.100 applications!
SHARE OF NEW REGISTERED E-CARS: AUSTRIA #1 IN THE EU!

Source: [www.eafo.eu](http://www.eafo.eu), 22.6.2017

Austria in total: 11.196 E-Cars (31.5.2017)
Strategies relevant for decarbonisation & zero emission mobility

**Austria:**

Implementation of Global Paris Climate Agreement
Integrated Austrian Energy and Climate Strategy
Transport is essential sector!

Government of 6 ministries:

- Federal chancellery
- Ministry of Agriculture, Forestry, Environment, Water Management
- Ministry of Science, Research and Economy
- Ministry of Transport, Innovation and Technology
- Ministry of Labour, Social Affairs, Consumer Protection
- Ministry of Finance

Draft transport chapter focus on energy and climate targets 2030 and decarbonization 2050 !!
Draft under development till June 2017 – but now stopped cause of election in Oct 17
Promoting green mobility
Good for citizens, health, environment, economy and mobility!

Join THE PEP Partnerships!
From Paris 2014 to Vienna 2019
5th High Level Meeting THE PEP

Thank you for your attention!
www.thepep.org