Electro-Mobility: activities in Horizon 2020 and CEF

INEA - Walter Mauritsch

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INEA's programmes

- CEF Transport (€22.4 billion)
- CEF Energy (€4.7 billion)
- CEF Telecom (€0.3 billion)
- H2020 Transport (€2.9 billion)
- H2020 Energy (€3.8 billion)

Marco Polo legacy from 2007-2013 (before managed by EACI – now EASME)

TEN-T legacy from 2007-2013

(Total budget: €34 billion)
Getting to scale

Seed and start-up phase  ———  Critical growth  ———  Growth and expansion

R&D and validation of project idea / components / business model companies

Initial demonstrations in urban environments

Large-scale demonstrations in urban environments

Commercial roll-out in city environments

Expansion / maturity

Horizon 2020 calls
Horizon 2020 SME instrument

Grants
CEF
ESIF

InnoFIN
COSME

Debt and equity
EFSI, ESIF, InnoFIN, COSME, CEF

Project level assistance by ELENA facility support cities with preparing more innovative projects

Platforms and tools for collaboration and de-risking investments create greater pipeline of projects
H2020 Transport: Societal Challenge

CIVITAS Thematic groups
- Car-Independent Lifestyles
- Clean Fuels and Vehicles
- Collective Passenger Transport
- Demand Management Strategies
- Integrated Planning
- Mobility Management
- Public Involvement
- Safety and Security
- Transport Telematics
- Urban Freight Logistics
Overall objectives
• Integration of mature technologies across the boundaries of Energy, Transport & ICT
• Support roll-out of smart cities solutions at large scale
• Development of innovative business models

Specific Electro-Mobility objectives:
• Roll out of EVs in cities
• Impact for EVs on electricity networks
• Integration of EVs and their related infrastructure with the help of ICT

SCC platform on Electric mobility: EV4SCC
https://eu-smartcities.eu/content/electromobility
– brings together organisations from across Europe (50 partners from 15 countries) that are actively promoting EVs as an enabler of smart cities.
– Aim by end 2017: 50 cities from across Europe to join the platform and 50 new projects by the end of 2017
# Clean Fuels and Vehicles projects

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CIVITAS PORTIS

Objective:
PORTIS demonstrates and evaluates integrated sets of sustainable mobility measures that address the problems of port cities across Europe working on 5 demonstration sites: Antwerp, Aberdeen, Trieste, Constanta, Klaipeda (plus Ningbo).

Focus/topics:
- New mobility governance for port cities
- New mobility lifestyles for port cities
- Efficient and cleaner mobility for port cities
- Seamless and more efficient freight movements

Electro-Mobility activities
WP3 "Efficient and Cleaner Mobility for Port Cities"
- Antwerp measure – Developing a smart charging infrastructure
- Trieste measure – Introducing electric fleet city administration
- Constanta measure – Charging e-buses with alternative energy

Coordinator: Stad Antwerpen
Total costs: 17,687M€
EC contribution: 16,702M€
Start date: 01/09/2016
Duration: 48 months
Urban Mobility Funding


**GY-10-2017: Integration of electric vehicles in the urban transport system**
Supporting pilots to demonstrate the potential market penetration of Electrified L-category vehicles in different European cities

**GY-11-2015: Stimulating European research and development for the integration of electric vehicles in urban transport**

**MG-4.5-2016: Neighbourhood-level and district-level transport innovations**
€10 million
Supporting new ways of translating passenger and freight needs into mobility solutions, as well as new ways of delivering those solutions

*Topic deadlines:*
20 January 2016 for the first stage, 29 September 2016 for the second stage

**MG-4.1-2017: Scale-up of innovative solutions for sustainable mobility in urban areas**
Increasing the take up and scale up by transferring the solutions to new contexts and comparing the impacts

**MG-4.2-2017: Smart electric mobility in cities**
Helping European cities to equip themselves with a network of electric recharging stations for electric cars and L-category vehicles

€22 million (combined for MG-4.1 and MG-4.2)

*Topic deadlines:*
25 January 2017 for the first stage, 19 October 2017 for the second stage

**MG-8.4-2017: New tools and business models for public transport in priority urban areas**
Improving accessibility, developing inclusive mobility solutions, improving the quality of urban mobility, and elaborating new business models for public transport

**MG-8.5-2017: Behaviours and lifestyles influencing transport choices**
Supporting research into the dynamics of new individual and collective travel, urban local and regional, social and environmental impact of urban transport choices

€7.5 million (combined for MG-8.4 and MG-8.5)

*Topic deadline:*
1 February 2017

**ART-07-2017: Urban road transport automation**
Automated and high quality road transport systems

€50 million (amount shared with several other topics)

*Topic deadlines:*
26 January 2017 for the first stage, 27 September 2017 for the second stage
Work as an independent expert.

Register on the Participant Portal.


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