



# **EU and urban mobility**

**Bernd Decker (EASME)**

on behalf of

**Isabelle Maës (DG MOVE)**

**European Commission**

# 1. Starting point

- Many urban areas suffer from severe **congestion**
- **Climate change issue**: urban mobility accounts for 23% of **CO<sub>2</sub> emissions** from transport
- **Health issues** related to ambient air quality (**NO<sub>x</sub>**, **PM emissions**)
- Urban road accidents still account for some 40% of all **road fatalities** (approx. 11,000 per year)

## 2. EU response

- Transport is shared responsibility between the EU and the Member States (subsidiarity principle)
- Urban mobility is a local responsibility
- Local authorities receive EU support:
  - 2.1 Policy framework
  - 2.2 Funding for implementation
  - 2.3 Funding for research and innovation
  - 2.4 Exchange of experience and best practice
  - 2.5 Awareness-raising

## 2.1 Policy framework

- Action Plan on Urban Mobility (2009) - implemented
- Transport White Paper (2011) - being reviewed in 2015
- Urban Mobility Package (Dec 2013)
- Clean Power for Transport Package (Jan 2013)
- Clean Vehicles Directive 2009/33

# The Urban Mobility Package

[ec.europa.eu/transport/themes/urban/ump\\_en.htm](https://ec.europa.eu/transport/themes/urban/ump_en.htm)

- Calls for action from the Member States
- Reinforces EU support
  - ✓ Exchange of experience and best practice
  - ✓ Funding for implementation
  - ✓ Funding for research & innovation (Horizon 2020)
- Gives further help for cities to develop **SUMPs**
- Gives recommendations for coordinated action in specific areas: **Urban logistics, Urban access regulations, ITS deployment in urban areas, Urban road safety**



# Sustainable Urban Mobility Plans

## **SUMPs help cities to render urban mobility more efficient and sustainable**

- Member States are invited to:
  - Assess their current urban mobility and develop an approach that ensures coordinated action at national, regional and local level
  - Review the tools put at their disposal
- The Commission proposes a concept for Sustainable Urban Mobility Plans (content, process) based on experiences from across the EU
- The Commission will:
  - Set up a Platform on Sustainable Urban Mobility Plans to coordinate EU cooperation and provide a one-stop-shop
  - Supports the development and implementation of SUMPs, including through its financial instruments

## Coordinated action in urban logistics

### Urban logistics is crucial for the functioning of cities

- Member States are invited to:
  - Ensure that urban logistics is properly considered in their approach to urban mobility and within SUMP
  - Create platforms for cooperation, exchange of data and information, training, etc. for all actors of the logistics chains
- The Commission will:
  - Improve the dissemination and uptake of urban logistics best practice
  - Prepare, with experts, guidance documents that provide practical assistance for improving urban logistics
  - Facilitate procurement of clean vehicles, e.g. by improving the Clean Vehicle Portal

# Coordinated action in urban access regulations

## Optimising urban access regulations (e.g. green/environmental zones)

- Member States are invited to:
  - Conduct a thorough review of the effectiveness of existing schemes
  - Provide a framework for local authorities to design, implement, and evaluate urban access regulation schemes
- The Commission will:
  - Foster an exchange with MS and experts on urban access regulations across the Union, including conceptual foundations, practical implementation, effectiveness and impacts
  - Prepare, with experts, guidance that can help cities implement access regulation schemes effectively



## Coordinated action in urban ITS

### **ITS offers great potential for improved and new mobility services and better infrastructure use**

- Member States are invited to:
  - Follow the Guidelines prepared by the Urban ITS Expert Group
  - Develop proper interfaces between urban and interurban transport networks
  - Set up interoperable multimodal datasets gathering all information about urban mobility
- The Commission will:
  - Review legislation on access to traffic and travel data
  - Prepare specifications on Real-Time Traffic Information and Multimodal Information Services, as foreseen by the ITS Directive
  - Facilitate the deployment of vehicle-to-vehicle and vehicle-to-infrastructure communication systems in urban areas

## Coordinated action in road safety

**11,000 fatalities on urban roads: often vulnerable users (cyclist and pedestrians)**

- Member States are invited to:
  - Ensure that urban road safety is treated as a horizontal priority in Sustainable Urban Mobility Planning
  - Ensure proper gathering of data on road safety indicators at the most detailed level
- The Commission will:
  - Gather and disseminate good practice examples for road safety planning
  - Analyse measures for reducing the number of serious road traffic injuries in urban areas



## 2.2 Funding for implementation

1. **The European Structural and Investment Funds** (ERDF, ESF, Cohesion Fund)
  - 7,9 billion Euros allocated to urban mobility over 2007-2013
  - 11,2 billion Euros planned to be allocated to urban mobility over 2014-2020 (+40% increase)
  - Urban mobility can be addressed especially under:
    - Thematic Objective 4 "Low-carbon economy" (promotion of sustainable, multi-modal mobility)
    - Thematic Objective 7 "Sustainable transport"
  - There is no ex-ante conditionality to have a SUMP but it is strongly recommended when applying for funds
  - The Commission and the Member States develop Partnership Agreements to define the strategy on national level and Operational Programmes for concrete measures on regional level

## 2.2 Funding for implementation

### 2. The Connecting Europe Facility (CEF) funds for TEN-T projects (Trans-European Transport Network)

- Objective 2: enabling all modes of transport to be decarbonised through transition to low-carbon and energy-efficient technologies
- Objective 3: Optimising the integration and interconnection of transport modes, including at urban nodes of the core network
- Specific provisions for 'urban nodes' i.e. cities on the network
- There are €26 billion for 2014-20 vs. €8 billion for 2007-13

➤ **Calendar for calls:**

	2014	2015	2016
publication of call	11-Sep-14	01-May-15	01-May-16
deadline for submission	31-Jan-15	30-Sep-15	30-Sep-16
individual decisions	Oct-Dec 15	Apr-Jun 16	Apr-Jun 17

## 2.2 Funding for implementation

### 3. The European Investment Bank

- **Direct loans** for large-scale projects (> 25 million Euros)
- **Intermediated loans** for small and medium-scale projects, via national and regional intermediary banks who retain the decision
  - The EIB conducts due diligence of projects: eligibility, technical soundness, financial viability, acceptable economic return etc.
  - More than 25% of EIB's loan volumes are focused on climate change, including urban public transport
  - Can finance up to 75% of the costs of the projects (vs. Typically 50%)
  - Investments must be integrated into a suitable planning context such as SUMP
  - Advice: group small projects in coherent programmes



## 2.2 Funding for implementation

### 3. The European Investment Bank (continued)

- **ELENA** programme provides grants for energy efficiency and sustainable urban mobility projects
- **JASPERS** programme provides assistance to prepare projects in the new Member States
- **European Energy Efficiency Fund**, an investment fund which focuses on energy efficiency, small-scale renewable energy, and clean urban transport projects at market rates targeting municipal, local and regional authorities and public and private entities acting on behalf of those authorities

# The LIFE Programme 2014-2020

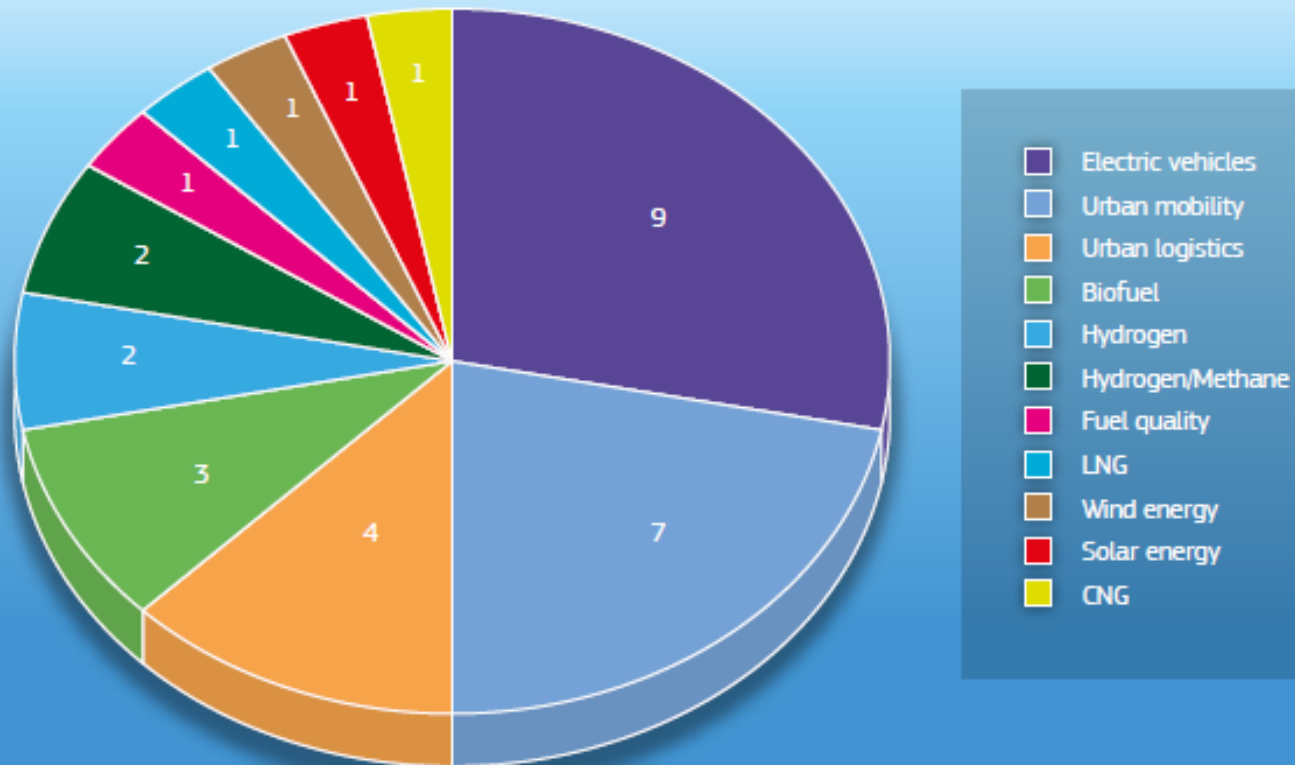


- **Environment sub-programme**
  - Environment & Resource Efficiency (ENV)
  - Nature & Biodiversity (NAT, BIO)
  - Environmental Governance & Information (GIE)
- **Climate Action sub-programme**
  - Climate Change Mitigation (CCM)
  - Climate Change Adaptation (CCA)
  - Climate Change Governance & Information (GIC)



# LIFE CCM transport projects

Fig. 1: Transport projects (1999-2012)



Source: LIFE database



# LIFE SLIDE IN (Sweden)

The SlideIn bus operates in a loop

"Online" charging (3+3 km):  
**LINE 3 (RED)**



On battery (9 km):  
**LINE 4 (BLACK)**



**LINE 5 (YELLOW)**



One of three Hyper Buses tested for 12 months in Gothenburg



## 2.2 Funding for implementation

Other sources:

4. **EASME - STEER legacy**

5. **The INTERREG programme**, for regional sustainable development projects

One of four themes is low-carbon economy

6. **The URBACT III programme**, for exchanges and learnings

The first call will be published in 2015

7. **The initiative "Innovative actions in sustainable urban development"**, for demonstration projects

The first call will be published in 2015

## 2.3 Funding for research and innovation

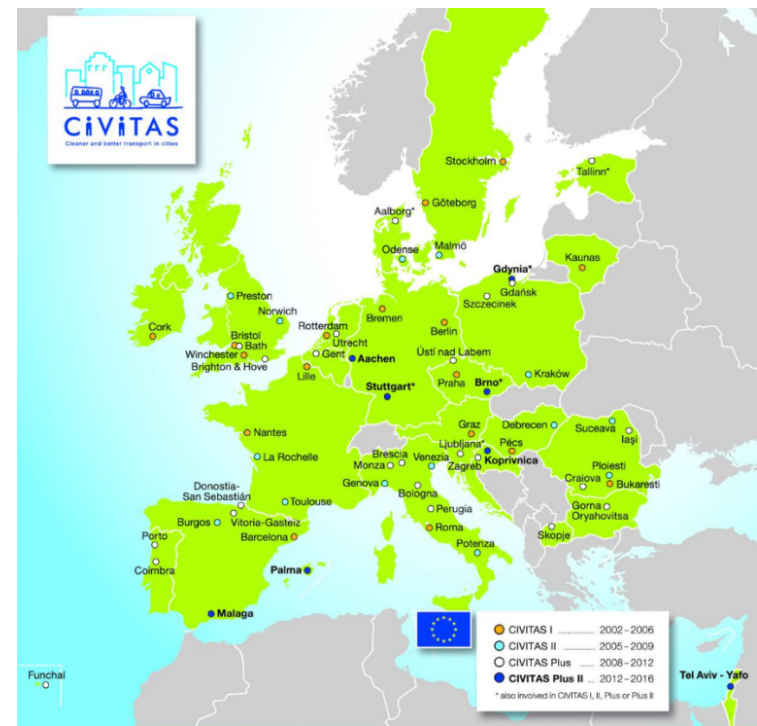
1. The programme for 2014-2020 is called Horizon 2020 and includes:
  1. **Mobility for Growth - Urban (= CIVITAS 2020):** 100 M€ for 2014/2015
  2. **Mobility for Growth – Infrastructure:** 35 M€ for 2014/2015
  3. **Green Vehicles:** 160 M€ for 2014/2015

The calls for 2015 are published.

2. In addition, there is support for research & innovation for hydrogen under the Fuel Cell and Hydrogen Joint Undertaking.

## 2.3.1 CIVITAS initiative

- Up until now: city-led demonstration activities
- Some 60 cities have benefited from EU support for testing some 700 urban mobility measures





# Horizon 2020 - Mobility for Growth

## MG5 Urban (= CIVITAS 2020) - 2015 Topics

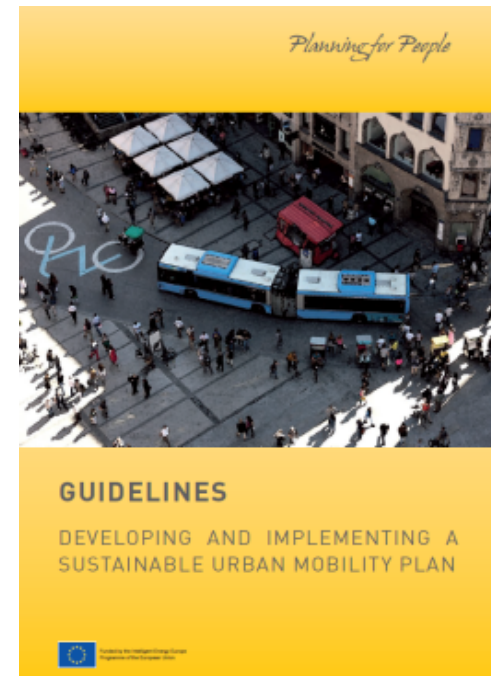
- MG 5.4 Strengthening the knowledge and capacities of local authorities**
- MG 5.5a Demonstrating and testing innovative solutions for cleaner and better urban transport and mobility**
- MG 5.5b Demonstrating and testing innovative solutions for cleaner and better urban transport and mobility**

## 2.4 Exchange of experience and best practice

- Urban Mobility Portal Eltis: <http://www.eltis.org>
- Clean Vehicles Portal: <http://www.cleanvehicle.eu/>
- Member States Expert Group on Urban Mobility



The screenshot shows the Eltis website homepage. At the top left is the Eltis logo. To the right are navigation links: Login, Become a Friend, Search, Contact us, Cookies, Legal notice, and a language dropdown menu set to English. Below this is a search bar. The main content area is divided into four colored boxes: DISCOVER (blue), RESOURCES (red), PARTICIPATE (green), and MOBILITY PLANS (orange). Below these are sections for Case studies and News. The Case studies section features two articles: 'Engaging citizens in Bristol on visions of a low-carbon future (UK)' dated 10 Jul 2014, and 'Utrecht's sustainable freight transport (The Netherlands)' dated 03 Jul 2014. The News section features three articles: 'EU launches new innovative private-public rail project' dated 15 Jul 2014 - Policy, 'Urban mobility initiative to offer funding to European cities' dated 15 Jul 2014 - Policy, and 'Urban mobility initiative to offer funding to European cities' dated 14 Jul 2014 - Transport planning. To the right of the News section is a 'Friends of Eltis' section with a grid of photos and a list of actions: Propose new content, Get updates, Take part in forum discussions, Download photos and videos, and Leave comments and vote.



The image shows the cover of a document titled 'Planning for People'. The top half is yellow with the title in a cursive font. Below the title is an aerial photograph of a busy city square with a blue bus and many pedestrians. The bottom half is yellow with the word 'GUIDELINES' in large, bold, black letters. Below that, in smaller black letters, is 'DEVELOPING AND IMPLEMENTING A SUSTAINABLE URBAN MOBILITY PLAN'. At the bottom left is the European Commission logo and the text 'Proposed by the Integrated Transport Group'.

## 2.5 Awareness-raising

- European Mobility Week in September
  - <http://www.mobilityweek.eu/>
  - Some 2000 local partnerships registered every year, but many more cities active
  - Advertising campaign in some EU countries to promote multi-modality
- EU-award schemes with press communication
  - Civitas Award
  - Mobility Week Award
  - SUMP Award



## Clean Public Procurement

- Directive 2009/33 mandates procurers to **take into account lifetime impacts such as energy consumption, CO2 emissions and pollutant emissions (NOx, NMHC, PM)** when procuring road transport vehicles. This can be done as technical specifications or as award criteria, including an option to use a **harmonized methodology for the monetization of these impacts**.
- This legislation is currently under evaluation. Stakeholders are invited to actively take part in this process and participate in the **stakeholder workshop on 17 April in Brussels**.





## For more information:

<http://ec.europa.eu/transport/>  
<http://inea.ec.europa.eu/> <http://ec.europa.eu/environment/life/> <http://ec.europa.eu/clima/>  
<http://ec.europa.eu/easme/>

Bernd Decker  
European Commission – EASME  
bernd.decker@ec.europa.eu  
isabelle.maes@ec.europa.eu