



# EU and urban mobility

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## 1. The starting point

Urban mobility is currently focused on passenger cars, running on fossil fuels. Consequences:

Ø Many urban areas suffer from severe **congestion**

Ø **Climate change issue**: urban mobility accounts for 23% of **CO<sub>2</sub> emissions** from transport

Ø **Health issues** related to ambient air quality (**NO<sub>x</sub>**, **PM emissions**)

Ø Urban road accidents still account for some 40% of all **road fatalities** (approx. 11,000 per year)



## 2. What the EU can do and does

- Transport is a competence of the Member States and urban mobility is primarily a local responsibility
- But local authorities should not be left alone
- There is a long tradition of EU support
  - 2.1 Policy framework
  - 2.2 Funding for implementation
  - 2.3 Funding for research and innovation
  - 2.4 Facilitating the exchange of experience and best practice
  - 2.5 Awareness-raising



## 2.1 Policy framework

2.1.1 Action Plan on Urban Mobility (2009) - implemented

2.1.2. Transport White Paper (2011) – pending

- Halve the use of conventional (fossil fuel) vehicles in urban areas by 2030, phase them out by 2050
- Achieve CO2 city logistics in major urban centers by 2030

2.1.3. Urban Mobility Package (Dec 2013) – published

- Review of the Action Plan on Urban Mobility
- Public consultation
- Stakeholders consultations
- Impact assessment study



## 2.1.3 The Urban Mobility Package

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

- Provides a basis for a continued debate across the EU
- Calls for action from the Member States
- Reinforces EU support
  - ü Exchange of experience and best practice
  - ü Funding for implementation
  - ü 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



## 2.1.3.1 Exchange of experience and best practice

- Setting up of an urban Mobility Scoreboard
- Setting up of a Member States Expert Group on Urban Mobility
- Improvement of the ELTIS website



## 2.1.3.2 Help for cities to develop SUMP

**Development of a SUMP can help a city 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, including the concept/content and process for developing a SUMP that was published as part of the Urban Mobility Package



## 2.1.3.3 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





## 2.1.3.4 Coordinated action in urban access regulations

### Increasing the number of 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



## 2.1.3.5 Coordinated action in urban ITS

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

But needs: interoperability; integration; no gaps

- 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



## 2.1.3.6 Coordinated action in road safety

**But 11,000 fatalities on urban roads: often vulnerable users (cyclist and pedestrians). Many more injured**

- 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

- Most important source: the **Cohesion and Structural Funds** (ERDF, ESF, Cohesion Fund)
  - Ø Some 8 billion Euros between 2007-2013 for urban mobility projects
  - Ø Continue over 2014-2020 under the name ESI-Funds (European Structural and Investment Funds)
  - Ø The European Commission and the Member States develop national operational programmes to ensure the most efficient use of the resources



## 2.2 Funding for implementation

- **Connecting Europe Facility (CEF) funds for TEN-T projects (Trans-European Transport Network)**

- Ø Objective 3: actions impelmenting transport infrastructure in nodes of the core TEN-T network, including urban nodes

- Ø Actions to support the deployment of alternative fuels infrastructure
- Ø Actions to promote the market introduction of solutions for vehicles powered by clean fuels

- Ø Calendar for calls:

	2014	2015	2016
publication of call	01-Sep-14	01-May-15	01-May-16
deadline for submission	31-Jan-15	30-Sep-15	30-Sep-16
individual decisions	Oct-Dec 2015	April-June 2016	April-June 2017



## 2.2 Funding for implementation

Other sources:

- **EIB (European Investment Bank)** loans and other financial products
  - Ø For example the new Project Bond initiative
- **INTERREG programme**, for regional sustainable development projects
- **LIFE+ programme**, for sustainable development projects



## 2.2 Funding for implementation - For more information:

- ESI Funds: [http://ec.europa.eu/regional\\_policy](http://ec.europa.eu/regional_policy)
  - Ø View the eligible zones in your country
  - Ø Get the contact details of the managing authority in your country
- CEF funds for TEN-T projects:  
[http://ec.europa.eu/transport/themes/infrastructure/connecting\\_en.htm](http://ec.europa.eu/transport/themes/infrastructure/connecting_en.htm)  
<http://inea.ec.europa.eu/en/ten-t/ten-t.htm>
  - Ø Find out about the priority projects in your country
  - Ø Access the latest calls for proposals
- EIB: <http://www.eib.org/index.htm>
- INTERREG: <http://www.interreg4c.eu/programme/>
- LIFE+ :  
<http://ec.europa.eu/environment/life/funding/lifeplus.htm>



## 2.3 Funding for research and innovation

- Support for urban mobility innovation under the EU Research Framework Programme
  - Ø E.g. through **CIVITAS initiative**, launched in 2002
- The 2014-2020 programme 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 call for the 2014 WP was published on 11 Dec 2013



## 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





## 2.3.1 CIVITAS initiative – How to get involved?

1. Submit a project proposal under Horizon 2020/  
CIVITAS 2020
2. Join the Civitas Forum network of cities (free!)
  - Ø Over 200 member cities
3. Join a thematic group
  - Ø In 10 specific areas
4. Apply to the activity fund
  - Ø Supports take-up activities (1st call published on 28 Feb, **deadline for proposals 4 April**)
5. Join a regional network 'CIVINET'
  - Ø CIVINET Poland is under formation and will start in May 2014
  - Ø The technical secretariat is Politechnika Krakow

## 2.3.2 Horizon 2020 - Call Mobility for Growth

	Budget (€ Mio) 2014	Budget (€ Mio) * 2015
Call 'Mobility for Growth'	374,5	184
1. Aviation	70	36
2. Rail	52	-
3. Road	66	23
4. Waterborne	56	18
<b>5. Urban</b>	<b>40</b>	<b>66,5</b>
6. Logistics	32	18
7. ITS	31	-
<b>8. Infrastructure</b>	<b>19</b>	<b>17,5</b>
9. Socio-economic and behavioural research	8,5	5

\* *provisional*



## 2.3.2 Horizon 2020 - Call Mobility for Growth MG5 Urban (= CIVITAS 2020)

- **2014 TOPICS:**

- Transforming the use of conventionally fuelled vehicles (MG5.1 - 2 stages)
  - Comparing policies, measures and tools for influencing the *use of conventionally fuelled vehicles*, for example through regulatory measures, alternative mobility services or behavioural change
  - Exploring policies and measures to promote the *uptake of alternatively fuelled vehicles*, for example deployment of alternative fuel infrastructure or upgrading electric public transport
- Reducing impacts and costs of freight and service trips (MG5.2 - 2 stages)
  - Improving basic knowledge on freight distribution and service trips
  - Assessing and comparing innovative policies for better use of infrastructure and vehicles, and for consolidation and distribution centres in urban areas
- Tackling urban road congestion (MG5.3 - 2 stages)
  - Analysing measures and tools to understand and secure long term reduction on urban road congestion
  - Exploring how public transport can grow with limited extra costs
  - Assessing how the role of walking and (safe) cycling in the urban modal split can be increased



## 2.3.2 Horizon 2020 - Call Mobility for Growth MG5 Urban (= CIVITAS 2020)

- For information: upcoming 2015 TOPICS (not yet published):
- Strengthening the knowledge and capacities of local authorities (MG5.4 - 2 stages)
  - Promoting take up of SUMP through information exchange within large networked groups
  - Capacity building among local stakeholders on planning, implementation and financing
- Demonstrating and testing innovative solutions for cleaner and better urban transport and mobility (MG5.5 Innovation Actions - 2 stages; CSA – 1 stage)
  - City-led consortia composed of four to five cities, led by at least two 'leading cities'
  - Set of complementary and reinforcing mobility solutions – subset of CIVITAS measure categories
  - Impact and process evaluation using common framework on basis of clear baseline
  - Wide range of activities can be covered (incl. take up, research, support to local policy and planning)
  - Support Action to facilitate cooperation and evaluation for this topic, and across CIVITAS 2020



## 2.3.2 Horizon 2020 - Call Mobility for Growth MG 8.2a Infrastructure

### TOPICS:

Proposals should address one or several of the following domains:

- Infrastructure specific solutions for enhanced cross-modal inter-connectivity and active traffic management, leveraging European GNSS enabled real-time location data, capable of providing optimal responses to changes in conditions of the network (e.g. weather, works, incidents) by all actors in the value chain (infrastructure operators, owners and users)
- Innovative concepts and methods for alternative fuels infrastructure (in particular for roads and ports) to facilitate its deployment in Europe
- Energy harvesting infrastructure
- Infrastructure-based pro-active safety systems, including advanced predictive models and simulations
- Methods for preventing disruption of critical infrastructure from malicious acts

## 2.3.2 Horizon 2020 - Call Mobility for Growth

<b>Submission deadlines for the call Mobility for Growth</b>	<b>18 March</b>	<b>27 March</b>	<b>28 August</b>
<ul style="list-style-type: none"> <li>• Stage 1</li> <li>• Stage 2</li> <li>• CSAs (single stage)</li> </ul>	X	X	X
<b>Stage 1</b>	<ul style="list-style-type: none"> <li>• Proposal submission max 15 pages; focus on content and results</li> <li>• Proposal evaluation 2 criteria: excellence and impact Outcome: 'GO' or 'NO GO'</li> </ul>		
<b>Stage 2</b>	<ul style="list-style-type: none"> <li>• Proposal submission only stage 1 'GO' proposals admitted</li> <li>• Proposal evaluation 3 criteria: excellence, impact, implementation Outcome: ranking lists (area/topic)</li> </ul>		



## 2.3.3 Horizon 2020 - Call Green Vehicles

	Budget (€ Mio) 2014	Budget (€ Mio) * 2015
Call 'Green Vehicles'	129	30

*\* provisional*





## 2.3.3 Horizon 2020 - Call Green Vehicles

### TOPICS:

- GV.1-2014 Next generation of competitive lithium ion batteries to meet customer expectations
- GV.2-2014 Optimised and systematic energy management in electric vehicles
- GV.3-2014 Future natural gas powertrains and components for cars and vans
- GV.4-2014 Hybrid light and heavy duty
- GV.5-2014 Electric two-wheelers and new light vehicle concepts
- GV.7-2014 Future natural gas powertrains and components for heavy duty vehicles
- GV.8-2014 Electric vehicles' enhanced performance and integration into the transport system and the grid

**Submission deadline for the call Green Vehicles is 28 August**



## 2.3 Funding for research and innovation – For more information:

- Horizon 2020 programme:  
<http://ec.europa.eu/research/horizon2020>
- Horizon2020 call Mobility for Growth:  
[http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-mg-2014\\_twostages.html](http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-mg-2014_twostages.html)
- Horizon2020 call Green Vehicle:  
<http://ec.europa.eu/research/participants/portal/desktop/en/opportunities/h2020/calls/h2020-gv-2014.html>
- Horizon 2020 participant portal:  
<http://ec.europa.eu/research/participants/portal/desktop/en/home.html>
  - Ø View the rules for participation
  - Ø find potential partners
- CIVITAS website (Activity Fund): <http://www.civitas.eu>



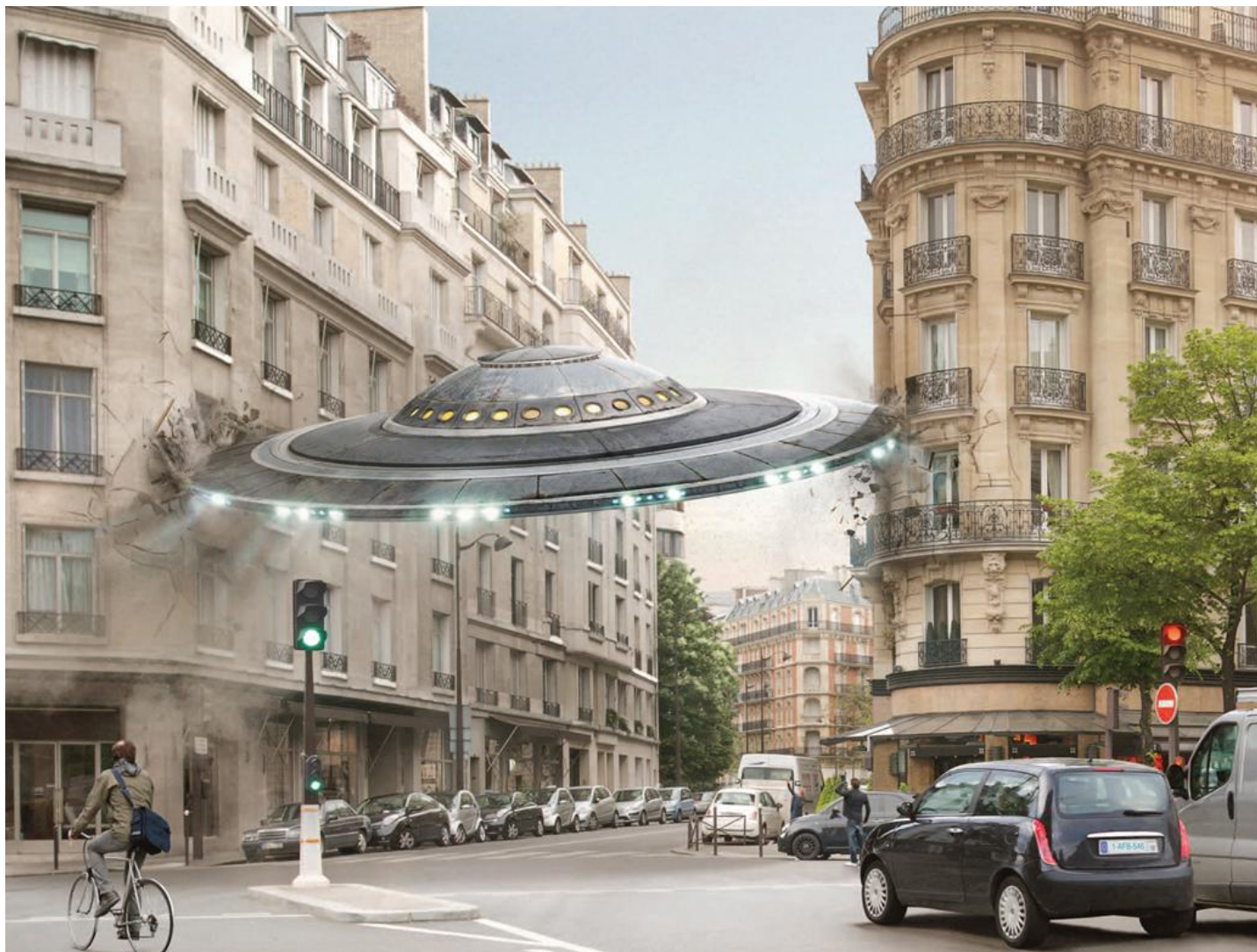
## 2.4 Exchange of experience and best practice

- Urban Mobility Portal Eltis: <http://www.eltis.org>
  - Ø facilitates exchange of information, knowledge and experiences
  - Ø aimed at individuals working in transport and related disciplines
- Clean Vehicles Portal: <http://www.cleanvehicle.eu/>
  - Ø gives detailed and comparable data on clean vehicles available on the market and classifies them according to their life cycle costs
  - Ø aims at supporting institutions procuring vehicles
- Mobility Plans website: <http://www.mobilityplans.eu>
  - Ø informs about Sustainable Urban Mobility Plans and offers guidelines on how to develop and implement such plans
- Studies on specific issues:  
[http://ec.europa.eu/transport/themes/urban/studies/urban\\_en.htm](http://ec.europa.eu/transport/themes/urban/studies/urban_en.htm)



## 2.5 Awareness-raising

- European Mobility Week in September
  - <http://www.mobilityweek.eu/>
  - Some 2000 local partnerships registered every year, but many more cities involved
- 'Do The Right Mix' campaign
  - <http://dotherightmix.eu/>
  - promotes multi-modal mobility
  - advertising in six countries and funding for local campaigns
- EU-award schemes with press communication
  - Civitas Award
  - Mobility Week Award
  - SUMP Award (linked to Do The Right Mix)





**Thank you for your attention!**

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