



EU policy for sustainable urban mobility

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@Transport_EU

Mobility and
Transport

CONNECTING
EUROPE

The starting point – transport challenges in cities

Transport provides vital functions to EU cities, enabling economic growth and access to jobs.

But urban mobility = still mainly conventionally-fuelled passenger cars, leading to:

- **Congestion:** estimated €110 bln lost/year in EU
- **Climate change impact:** emissions rising + urban transport = 23% of CO₂ tran. emissions
- **Health impact** related to poor air quality = over 500 000 premature deaths/year in the EU; + lack of physical exercise = €31 bln lost/year
- **Road accidents:** 25.500 killed in 2016 in EU, with 40% of them in urban areas
- **Inefficient use of space:** motorized vehicles are not used 96% of time yet still up to 1/3 of space in cities is dedicated to their infra which could otherwise green areas, public space, bike paths, housing etc.



What the EU does

- Transport is **shared responsibility** between EU and Member States
- Urban mobility is **essentially a local responsibility**; however local authorities should not be left alone
- **Therefore EU level focuses on:**
 - Setting the Policy Framework:
 - Goals
 - Urban mobility policy
 - Legislation in other areas with impact on urban
 - Offering funding and financing
 - Facilitating the exchange of experience and best practice
 - Raising awareness





White Paper on transport

close
to zero fatalities in road transport + halve casualties by 2020.

Policy Framework - goals

Urban:

- *Halve the use of conventionally fuelled cars in urban areas by 2030, phase them out by 2050*
- *Achieve CO₂-free city logistics in major urban centres by 2030*
- **+ one related on safety:** *By 2050, move*

European Strategy for Low-Emission Mobility (July 2016):

- *By 2050 Transport GHG must be 60% lower than in 1990*
- *Efficiency of transport system + transition towards zero-emission vehicles*

Policy: 2013 Urban Mobility Package

- Need for **stronger cooperation between different policy levels** to deliver on sustainable urban mobility
- Core concept: **Sustainable Urban Mobility Plans (SUMP – Annex to the Communication)**, **big role for multimodal solutions and cycling there!**
- Commits to **reinforced EU support** for local action on urban mobility (2014-2020 financial programming period)

Cities to decide on the best mix of measures: walking, cycling, public/shared transport, cargo-bikes, alternatively fuelled cars/buses etc.



Related legislation:

How to promote clean public transport in cities?

Currently: **Clean Vehicle Directive 2009/33/EC**

- Aimed at creating favourable market conditions
- Lifetime impacts for purchase decisions:
 - Energy consumption; CO2 emissions;
 - Pollutant emissions (NOx, NMHC, PM)
- **Review announced in the Energy Union for 2017**
- Impact assessment process started in 2016, it includes public consultation
- Target for adoption: Q4 2017



Related legislation:

Directive 2014/94/EU on the deployment of alternative fuels infrastructure

- Adopted Oct 2014
- **Urban areas:** appropriate coverage of electric recharging stations and CNG refuelling stations by end 2020

- Member States national policy frameworks

Nov 2016

- European Alternative Fuels Observatory

March 2016

DEPLOYMENT OF ALTERNATIVE FUELS INFRASTRUCTURE	DATE
Electric vehicles recharging points – Urban agglomerations	2020
CNG - Urban agglomerations	2020
CNG - TEN-T Core Network	2025
Hydrogen	2025
LNG - Heavy duty vehicles	2025
LNG - Maritime ports	2025
LNG - Inland Waterways	2030
Shore-side electricity	2025

Related legislation: Intelligent Transport Systems (ITS)

ITS Directive 2010:

Supporting Framework and Enabling Conditions for coordinated and effective deployment and use of ITS within MS and across borders.

Develop specifications necessary to ensure the compatibility, interoperability and continuity for the deployment and operational use of ITS for priority actions.

Cooperative Intelligent Transport Systems (C-ITS):

C-ITS PLATFORM: working on common vision of C-ITS deployment - MS, Public & Private Stakeholders

EU C-ITS Strategy: 30/11/2016, first milestone towards cooperative, connected and automated vehicles; "making C-ITS a reality from 2019 onwards"

Priority
Action (a)
Near to
adoption

•EU-wide **multimodal travel information** services

Priority
Action (b)
Adopted

•EU-wide **real-time traffic information** services

Priority
Action (c)
Adopted

•Road **safety related minimum universal traffic information** free of charge to users

Priority
Action (d)
Adopted

•the Interoperable EU-wide **eCall**

Priority
Action (e)
Adopted

•**Information** services for **safe and secure parking** places for trucks and commercial vehicles

Partnership on Urban Mobility – EU Urban Agenda

The **new approach of the Urban Agenda** for the EU (established by Pact of Amsterdam of May 2016) is to work on 12 topics with "European partnerships"; Partnership on Urban Mobility (PUM) started early 2017.

Goal: develop clear and concrete actions (**Action Plan in 2018**) on:

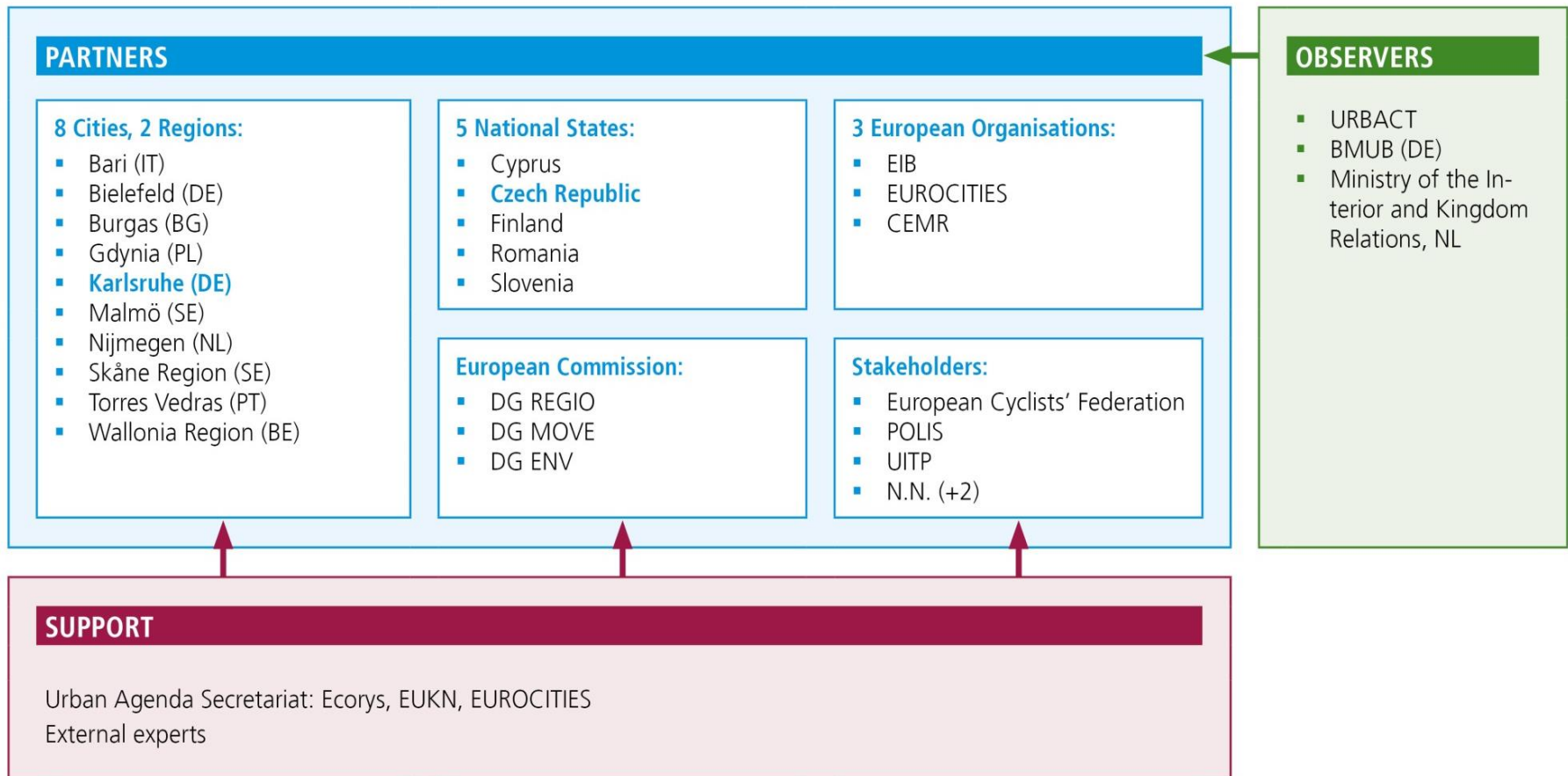
- better regulation
- better funding
- better knowledge exchange

addressing EU-level, national level, local level

PUM as an opportunity for cities to include their voices regarding the future of urban mobility and propose necessary actions

Partnership on Urban Mobility (2)

Composition of the Partnership:



Clean Bus Deployment Initiative

- Need to **support zero-emission transportation** as the most effective and efficient form of public mobility in our regions and cities.
- "[Declaration of intent on promoting large-scale deployment of clean, alternatively fuelled buses in Europe](#)" launched July 2017: signatories committed to make the transition to clean, alternatively fuelled future happen
- **Sign the Declaration online** – it's easy!
https://ec.europa.eu/eusurvey/runner/Clean_Bus_Declaration
- To be kept informed about upcoming activities in this area, please subscribe to the newsletter at **European Clean Bus deployment Initiative webpage**



Clean Bus Deployment Initiative: 3 Pillars

Approach for the Clean Bus Deployment platform contains 3 major elements:

Common political declaration:

- Endorse a common ambition of cities and manufacturers to accelerate roll-out and provide visibility.
- Launched on 13th of July by Commissioner Bulc (@COR Plenary)

Deployment & investment hub:

- Share information and expertise

Dedicated working group under the Sustainable Transport Forum

- Work on specific policy recommendations and financing topics.

Mobility Package, November 2017

Need to speed up deployment of AF, including in cities

- Action Plan for alternative fuels infrastructure
- Revision of the Clean Vehicles Directive (2009/33/EC)
- Delegated act for alternative fuels infrastructure standards in relation to Directive 2014/94/EU
- Delegated act for Fuels Price Comparison in relation to Directive 2014/94/EU

Action Plan for alternative fuels infrastructure

➤ Increase the level of ambition

- Recommendations to MS on implementation of NPFs
- TEN-T flagships – European Alternative Fuels Corridor
- Enabling measures in urban areas (SUMP, access rules)

➤ Increase the scale and impact of finance

- CEF blending call and other instruments
- Guidelines on finance and business models

➤ Increase consumer acceptance

Interoperability of services



Urban Access Regulations (1)

- Urban Access Regulations website (***urbanaccessregulations.eu***) provides a complete overview of Low Emission Zones, Urban Road Tolls, Traffic Limited Zones and Traffic Restrictions in Europe
- The Commission has published a detailed **study on access regulations**: https://ec.europa.eu/transport/themes/urban/studies_en
- There are **different ways** in which low emission zones can be enforced, beyond using manual stickers, like information technologies.
- It provides **a set of guidelines and a number of recommendations** for UVARs preparation and implementation such as:
 1. On Information and Communication:
An UVAR scheme should not be promoted in isolation, but as part of a wider strategic proposal.
 2. On Information and Communication:
Local authorities should work towards compliance with the latest Euro standards as a basis for access-to-access regulated areas.

Urban Access Regulations (2)

3. Planning, consultation and design:

Design a comprehensive UVAR scheme, including enforcement techniques.

4. National legal frameworks:

National legislation should be clearly linked to EU- and national policy goals in the fields of for instance air pollution or CO₂ –emissions.

5. Evaluation and assessment:

In the evaluation and assessment of UVAR schemes, local municipalities should pay attention to, e.g. :

- Selection of evaluation indicators and on how to concretely measure them.
- The minimum data requirements for a meaningful evaluation process and related outcomes.
- The relation between the scale of expected impacts and the resources allocated to the evaluation.

6. On technology options and interoperability:

Consider interoperability and user-friendliness when planning a UVAR scheme and its associated technology.

Reinforced EU financial support for urban mobility

EU funding for sustainable mobility – mostly for urban areas – is in the order of magnitude of 18.5€ bln in 2014-2020

- Circa 50% more than in 2007-2013
- Walking and cycling infrastructure alone: 1.5€ bln

Main sources:

- European Structural and Investment Funds (including Urban Innovative Actions)
- Funding for research and innovation – HORIZON 2020 (including CIVITAS demonstration projects)
- Connecting Europe Facility funds for TEN-T projects (urban nodes calls)



CEF financing in Urban nodes

Over the 3 first CEF T calls: 38 projects have been selected under the **urban node priority** for **€204M** of EU grant support.

CEF Transport Call	Budget (m€)	# of selected projects	EU grant (m€)
2014	75	7	49
2015	100	15	112
2016	60	16	42
Total	235	38	204

2017 CEF Transport Blending Submission Overview – 1st cut-off date

Call deadline	14 July 2017
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Proposals received	68
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Admissible and eligible proposals	65
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Total CEF requested funding Eligible Proposals	€ 2.17 billion
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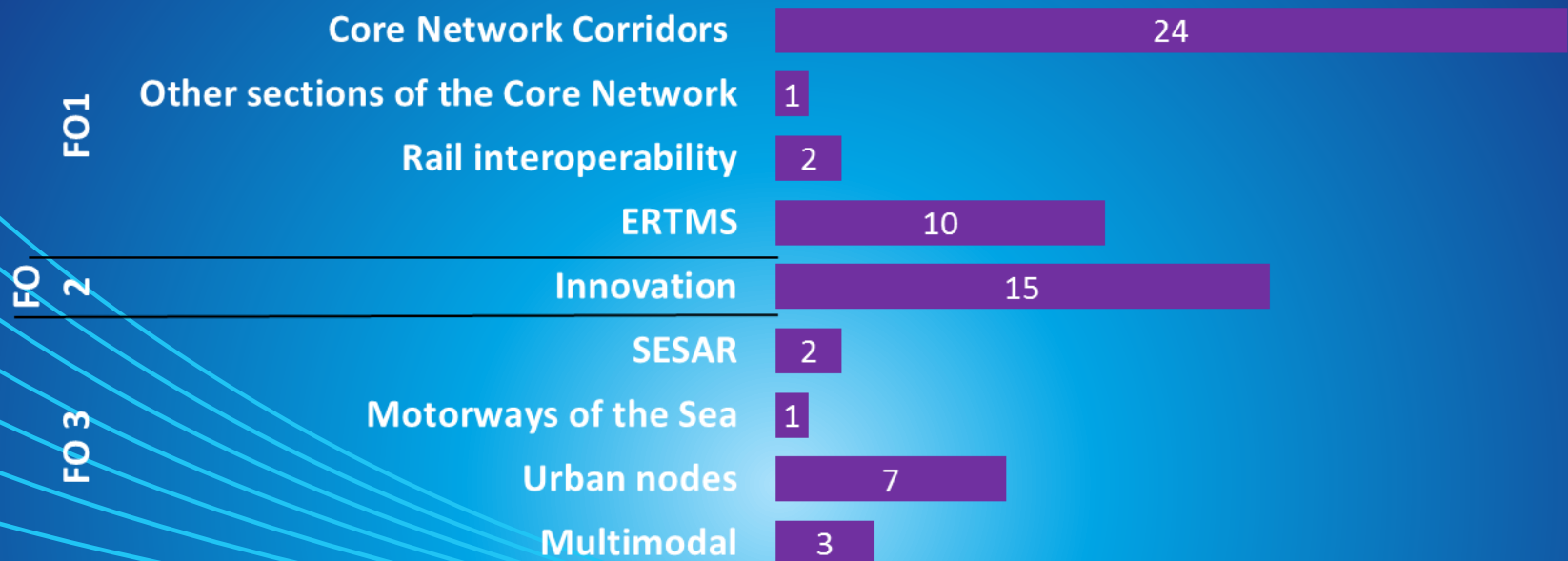
Budget Available	€ 1 billion
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Overall subscription rate	2.17
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Planned grant decision	April 2018
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2017 CEF Transport Blending

Number of eligible Proposals / Priority



CEF Transport Blending call 2017 – proposed additions / changes

- Extension of the 2nd deadline of the call from 30 November 2017 to April 2018
- Increase of the indicative call budget for the 'Innovation' priority from EUR 140 million to EUR 490 million, in particular to support the EU Mobility Package announced in May 2017 with actions that will be presented in November 2017
- Decrease of the minimum required size of projects submitted under the 'Innovation' priority from EUR 10 million to EUR 5 million



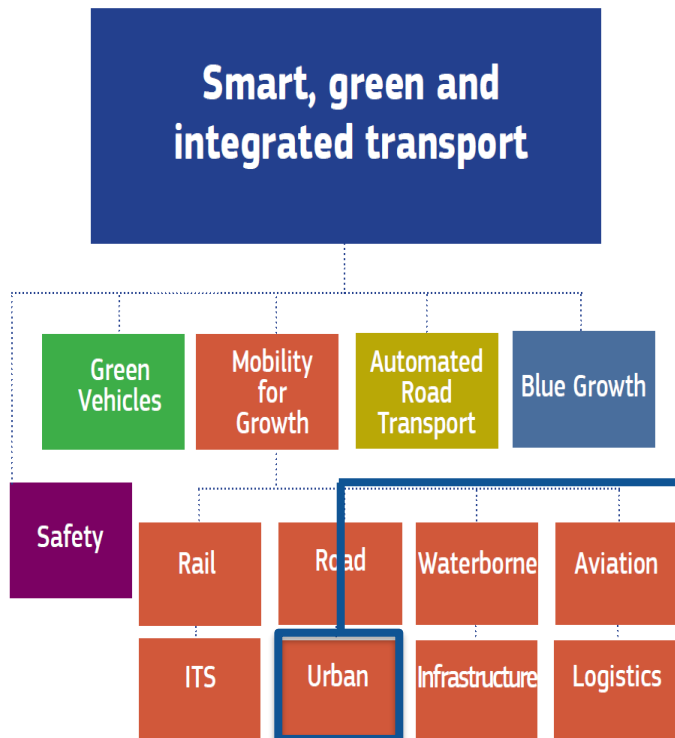
CEF Transport Blending call 2017 – Innovation and Urban nodes

Possibility for projects in Urban nodes with alternatives fuels component to be supported under the 'Innovation' priority subject to...

- ... the projects fulfilling the eligibility conditions of the call for the 'Innovation' priority and
- ... being related to urban nodes listed in Annex II part 1 of the TEN-T Guidelines or to nodes listed in Annex II part 2 of the TEN-T Guidelines and
- ... being located on a Core Network Corridor



H2020: Smart, green and integrated Transport



2014-2017 Transport € 1.2 billion

€ 137 million for Urban Mobility

TOPICS/CLUSTERS:

- Congestion/Vehicles in urban areas (RIAs) – 6
- Urban freight and logistics (RIAs) – 4
- CIVITAS Demonstration projects (IAs) – 3
- CIVITAS Satellite (CSA) – 1
- Integrated planning – SUMP projects – 3
- Transport innovations in neighbourhoods – 4

Socio-economic and behavioural research – 5

21 ongoing projects and 5 in related areas
About 3-4 new projects expected in 2018

H2020: Transport Work programme 2018-2020 (draft)

Three 'calls':

1. Mobility for Growth (MG)

2. Digitising and Transforming European
Industry and Services: **Automated Road Transport (ART)**

3. Building a low-carbon, climate resilient future: **Green
Vehicles (GV)**



H2020 Transport Info Day: 13 December 2017, Brussels

H2020: Urban Mobility topics

Mobility for Growth (MG)

- **LC-MG-1-2-2018: Sustainable multi-modal inter-urban transport, regional mobility and spatial planning**

Total budget: € 12 million / Indicative budget per grant: € 5-8 million

Deadline: 30 January 2018 (first stage)

- **LC-MG-1-3-2018: Harnessing and understanding the impacts of changes in urban mobility on policy making by city-led innovation for sustainable urban mobility**

Total budget: € 11 million / Indicative budget per grant: € 2-4 million

Deadline: 30 January 2018 (first stage)

- **LC-MG-1-10-2019: Logistics solutions that deal with requirements of the 'on demand economy' and for shared-connected and low-emission logistics operations**

Total budget: € 10 million / Indicative budget per grant: € 2-4 million

Deadline: 16 January 2019 (first stage)

Urban Innovative Actions

Link (thematic alignment) with EU Urban Agenda

Art.8 ERDF regulation 2014/2020: “...*To identify and test new solutions which address issues related to sustainable urban development and are of relevance at Union level.*”

Call 2: application overview

- Closed 14 April 2017; Budget EUR 50 million (ERDF)
- 3 topics selected by the Commission:
 - ✓ Integration of migrants and refugees (41)
 - ✓ Circular Economy (72)
 - ✓ Urban Mobility (93): 5 selected Albertslund, Ghent, Lahti, Szeged, Toulouse,
- **206 applications submitted, approved projects to start in November 2017**

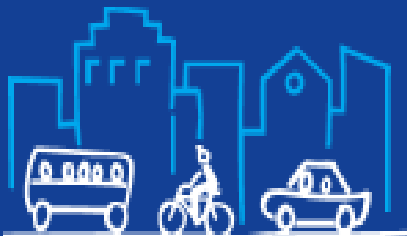
CIVITAS Initiative

City, Vitality and Sustainability. COM-funded Initiative since 2002 to create cleaner, better transport in cities

CIVITAS in 4 key points:

- Living “labs” & research projects
- Network of cities for cities
- Public Private Partnerships
- Political commitment (with the PAC)

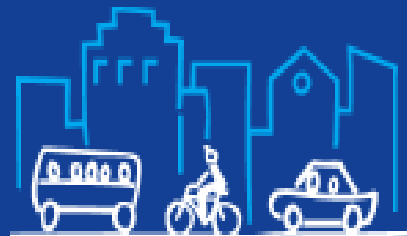
5 phases
(2002-2020)



85 CIVITAS
Cities
(demonstration)



19 CIVITAS
projects

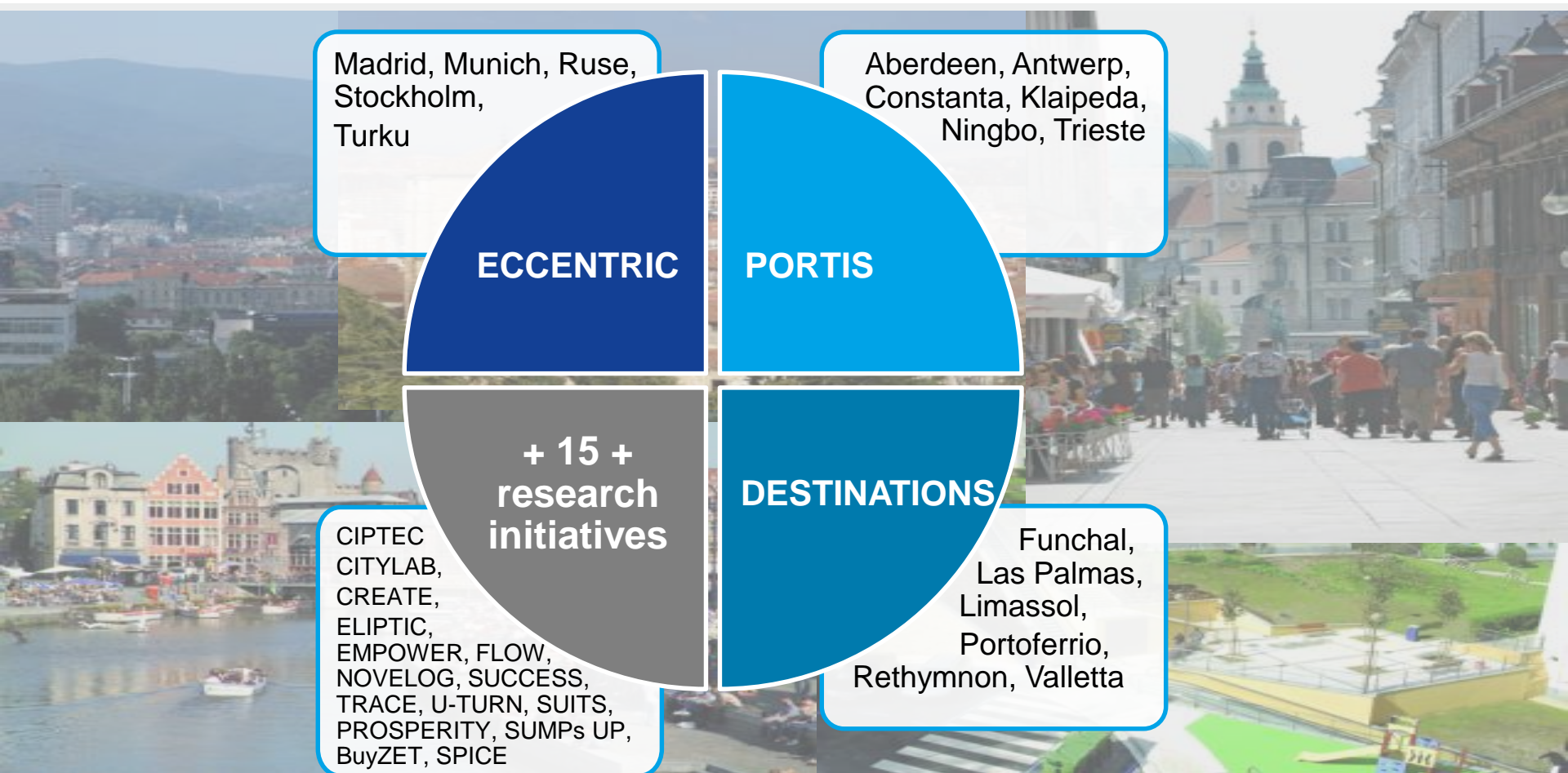


More than 280
Cities (forum)



What's next for CIVITAS?

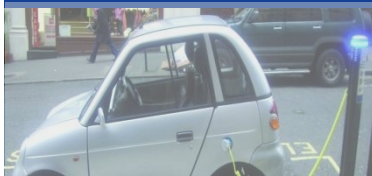
3 new living lab projects 2016-2020 & research



CIVITAS: here are some of the success stories!

Tallinn

CiViTAS
Cleaner and better transport in cities



**Alternative fuels,
energy efficient
vehicles**

Utrecht

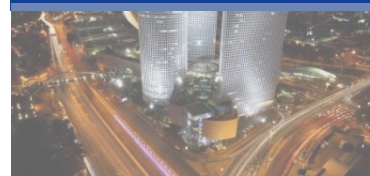
CiViTAS
Cleaner and better transport in cities



**New concepts for
goods distribution**

Tel Aviv

CiViTAS
Cleaner and better transport in cities



**Transport for high
density
employment areas**

Bremen

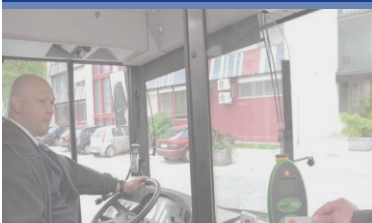
CiViTAS
Cleaner and better transport in cities



**+ 43 % of car-
sharing customers**

Zagreb

CiViTAS
Cleaner and better transport in cities



**Innovative
telematics**

Malaga

CiViTAS
Cleaner and better transport in cities



**a bike-rental
system**

Aachen

CiViTAS
Cleaner and better transport in cities



hybrid buses

Toulouse

CiViTAS
Cleaner and better transport in cities



**100% clean bus
fleet**

19 living lab projects rolling out new transport measures

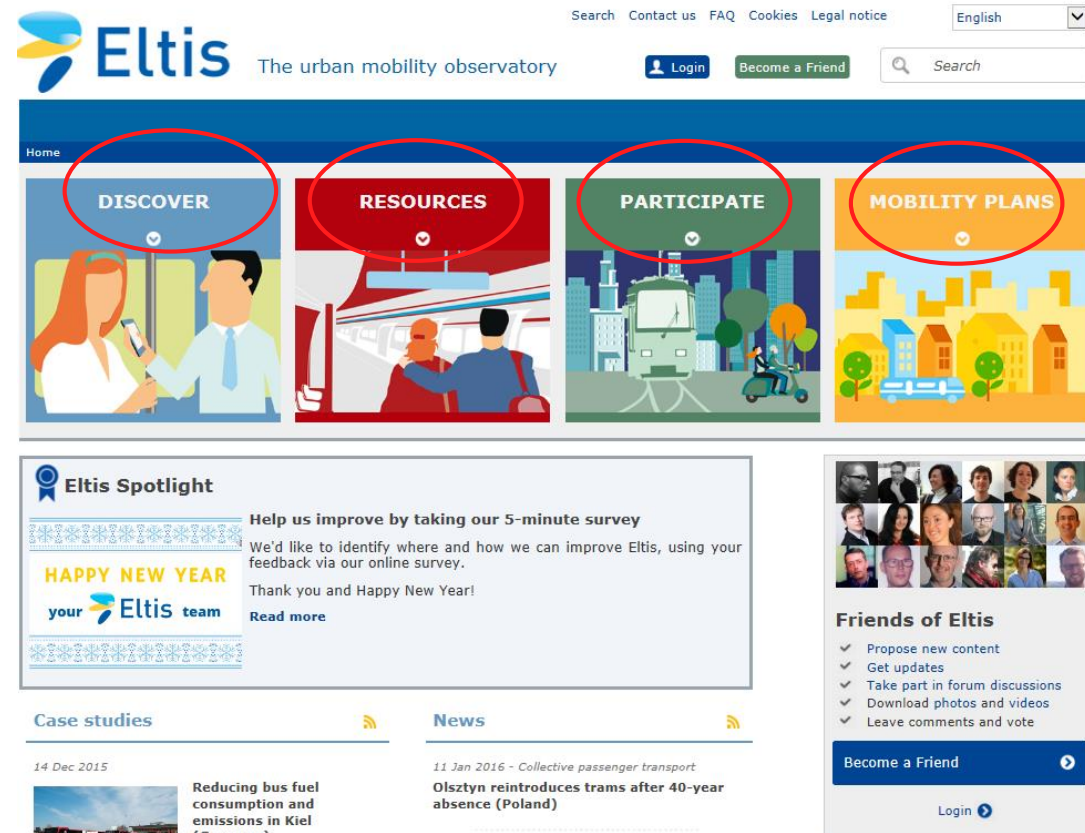
Facilitating exchange of info and best practice

The urban mobility observatory: www.eltis.org

Facilitates the exchange of information, knowledge and experiences in the field of sustainable urban mobility

An extensive SUMP guide with a well-detailed process and a SUMP self-assessment tool

1. Discover: case studies, EU legislation & policies
2. Resources: EU funding, pictures, videos
3. Participate: events
4. Mobility plans: everything related to SUMP!



The screenshot shows the Eltis website homepage. At the top, there is a navigation bar with links for Search, Contact us, FAQ, Cookies, and Legal notice, along with a language selector set to English. Below the navigation bar is the Eltis logo and the tagline "The urban mobility observatory". The main content area features four large, colorful tiles: "DISCOVER" (blue), "RESOURCES" (red), "PARTICIPATE" (green), and "MOBILITY PLANS" (orange). Each tile has an illustration and a small circular icon. Below the tiles, there is a section for "Eltis Spotlight" with a "HAPPY NEW YEAR" message and a link to "Read more". To the right of the spotlight is a "Friends of Eltis" section with a grid of user avatars and a list of actions: "Propose new content", "Get updates", "Take part in forum discussions", "Download photos and videos", and "Leave comments and vote". At the bottom, there are sections for "Case studies" and "News". The "Case studies" section features a link to "Reducing bus fuel consumption and emissions in Kiel (Germany)" dated 14 Dec 2015. The "News" section features a link to "Olsztyn reintroduces trams after 40-year absence (Poland)" dated 11 Jan 2016. A "Become a Friend" button is located at the bottom right.

Supporting cities to develop SUMPs (1)

- COM proposed **concept for SUMPs** based on experiences from across the EU (annex to Urban Mobility Package)
- COM set up a **Platform on SUMPs** (a one-stop-shop portal) with more extensive guideline, self-assessment tool for cities etc. www.eltis.eu

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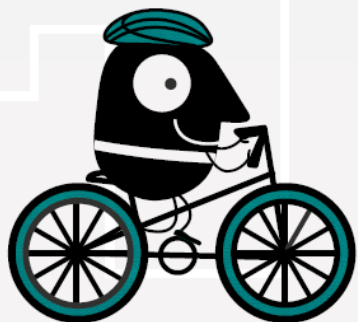
- COM provides **specific support**: financial (EU funds to develop and implement SUMPs) and capacity building for cities to develop SUMPs: currently three dedicated CIVITAS projects
- COM organises **annual SUMP Conference** to: great opportunity for learning from each and exchange best practices
- COM regularly **discusses SUMPs** with Member States – inter alia via its MS Expert Group on Urban Mobility

Supporting cities to develop SUMPs (2)

Aim to update the guidelines in line with recent developments and reinforce the SUMPs concept

- Update, possible areas that could be better included: electro mobility, MaaS, CAD, ITS, HEAT, urban logistics, SULPs, regional SUMP development, financing + possibly recommendations of Civitas CREATE project (Civitas SUMPs-Up project is working on the update and improving national resources and governance).
- Reinforcement:
 - National frameworks
 - Best practices
 - SUMP Platform Coordination Group.
- Feeding into ELTIS database

Raising awareness



EUROPEAN **MOBILITY** WEEK

16-22 September every year
Launched in 2002



- Pan-European campaign culminating in Car-Free Day.
- Aim: to encourage European municipalities to introduce and promote sustainable transport; **big focus on cycling.**
- Over 2000 cities register every year, and implement around 8000 measures improving public transport and urban infrastructure.
- 2017 theme: 'Clean, shared and intelligent mobility':
Record number of cities - 2526 so far and rising!

+ EU-award schemes:

- Civitas Award – in October
- EMW and SUMP Awards - in March

Raising awareness

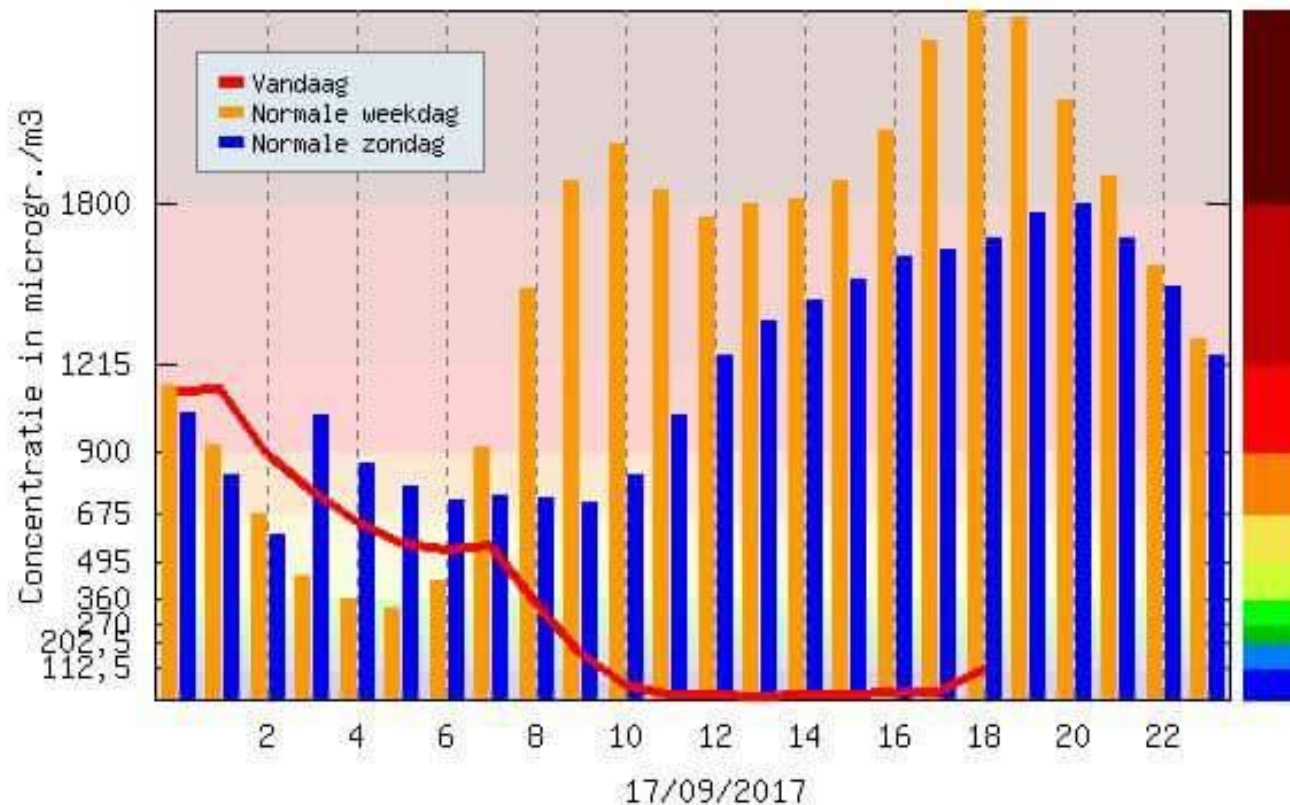


EUROPEAN MOBILITY WEEK

Effects of Car-free Day in Brussels, 17 September 2017:

Source: <http://www.irceline.be/fr/nouvelles/journee-sans-voiture-en-ville-dimanche-17-septembre-2017>

NO - Brussel - Tunnel Leopold II (richting basiliek)



Facilitating exchange of info and best practice

Member States Expert Group on Urban Mobility:

- Each Member State appointed a representative
- Met for the first time in Oct 2014 and meets 2-3x per year
- Objective is to help MS give more and more effective support to their local authorities to make urban mobility more sustainable
- COM brings priority issues for discussion
- Inviting stakeholders and workshops on dedicated topics possible
- List of members, agendas & minutes of meetings accessible from:

Group n° E03165

<http://ec.europa.eu/transparency/regexpert/index.cfm>



European
Commission

Thank you!



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