



# EU framework for sustainable urban mobility

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# The starting point – transport challenges in cities

Transport provides vital functions to EU cities. But urban mobility = still mainly conventionally-fuelled passenger cars, leading to:

- **Congestion:** estimated € 270 billion lost/year in the EU (total delay costs)
- **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; similar for physical inactivity (+ €80.4 bn lost/year)
- **Road accidents:** over 25.000 killed yeach year in EU, including 40% in urban areas



## 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*

### Safety:

- *By 2050, move close to zero fatalities in road transport + halve casualties by 2020.*

### Multimodality:

- *By 2020, establish the framework for a European multimodal transport information, management and payment system*





## 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 (SUMPs)** – Annex to the Communication), big role for **multimodal** solutions!

Commits to **reinforced EU support** for local action on urban mobility (2014-2020)

Now in **evaluation!**

Public consultation until 4 December:

[https://ec.europa.eu/transport/urban/consultations/urban-mobility-eu\\_en](https://ec.europa.eu/transport/urban/consultations/urban-mobility-eu_en)





## Low Emission Mobility (LEM) Strategy (2016)

- by 2050 Transport GHG must be 60% lower than in 1990
- Increasing the efficiency of the transport system
- Speeding up the deployment of low-emission alternative energy for transport
- Moving towards zero-emission vehicles
- Cities and local authorities – implementing incentives for low-emission alternative energies and vehicles, encouraging modal shift to active travel and/or shared mobility schemes



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➤ 3 mobility packages

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## 2018 Graz Declaration: Starting a new era: clean, safe and affordable mobility for Europe

- Signed 30/10/2018, all **EU ministers committed to modal shift towards zero-emission means of transport** - that's crucial to reach the Paris Agreement climate objectives.
- Main parts:
  - Active mobility to promote health and sustainability
  - Strategy for sustainable mobility management and planning
  - Multimodality and infrastructure
  - Safe and inclusive mobility
  - Clean vehicles
- Asks for decisive action at EU, MS and local/regional levels



# “Firmly on the path towards zero emissions by mid-century”

EU 2050 Long-term climate strategy (November 2018): need for substantial reductions across the transport sector in all scenarios.

For this, we need:

- More efficient mobility system
- Shift towards more efficient modes and active modes
- Make all transport modes cleaner:
  - More efficient conventional vehicles
  - Roll-out of low- and zero-emission vehicles





## Related legislation at EU level:

- Intelligent Transport Systems Directive
- Alternative Fuels Infrastructure Directive
- Revised Clean Vehicle Directive
- Road safety legislation
- TEN-T Regulation
- Single Digital Gateway
- CO2 standards for vehicles



## Urban Mobility: supporting cities

- **CIVITAS Initiative:** City, Vitality and Sustainability
- **European Mobility Week:** record again this year!
- **Platform on SUMP**s (one-stop-shop portal) + Annual SUMP Conference
- **Guidelines** (UVAR, logistics, cycling)
- **Partnership on Urban Mobility** - EU Urban Agenda
- **Smart Cities and Communities**
- **Increased funding:** 18.5€ bln in 2014-2020 and probably more to come post-2020



# CIVITAS Initiative

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

## CIVITAS in 4 key points:

1. Living “labs” & research projects
2. Network of cities for cities
3. Public Private Partnerships
4. Political commitment (with the PAC)

**Major annual Conference** every year: CIVITAS **Forum**  
Measures reaching **over 52 million citizens**

80 living lab  
cities

85 CIVITAS  
Cities  
(demonstration)

800 measures  
implemented

More than 280  
Cities (forum)





# CIVITAS: CIVITAS Forum 2019 Conference: 2-4 October in Graz, Austria



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# EUROPEAN MOBILITY WEEK

16-22 September every year (launched in 2002)



- Pan-European campaign culminating in Car-Free Day.
- Encourages European municipalities to introduce and promote behavioural change favouring sustainable modes.
- 2019 theme: "Walk with us!" - safe walking and cycling
- **Over 3100** cities from 50 countries worldwide registered in 2019 – the new record!
- Each year, approximately 7500 permanent measures are registered



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EUROPEAN **MOBILITY** WEEK

# Example: Chemnitz, Germany

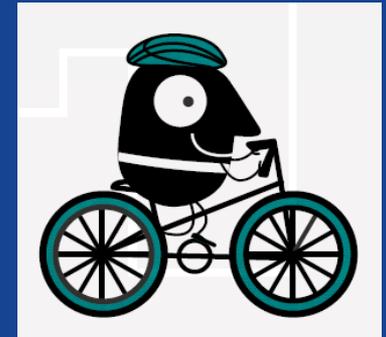
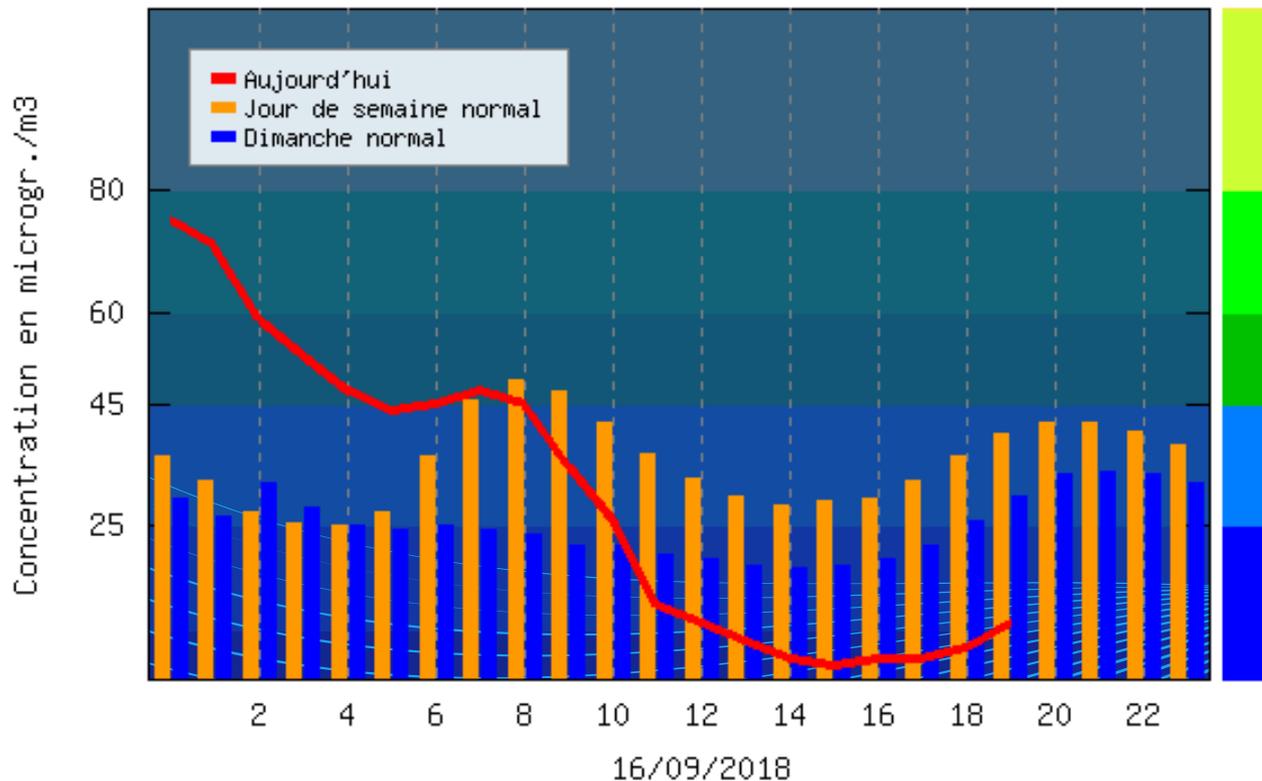
Children draw their ideas about mobility at the Theatre Square



## Effect of Car-free Day in Brussels, 16 September 2018: NO2 levels compared to other days

(Source: <http://www.irceline.be/fr/nouvelles-alertes/sans>)

NO2 - Bruxelles (Sainte-Catherine)



## EIP Smart Cities and Communities

- 6 action clusters, 6.000 partners, combining transport-energy-ICT applications.
  - Action Cluster on Sustainable Urban Mobility: New mobility services, Urban Air Mobility, electric vehicles, vehicle-grid applications.
- Success will be measured against: by end 2019, €1b investment committed in innovative solutions and 300 cities engaged.
- Horizon2020 funded SCC Lighthouse projects play leading role for development, testing and replication!
- Marketplace <https://eu-smartcities.eu>





# Upcoming: the Sustainable Urban Mobility Indicators

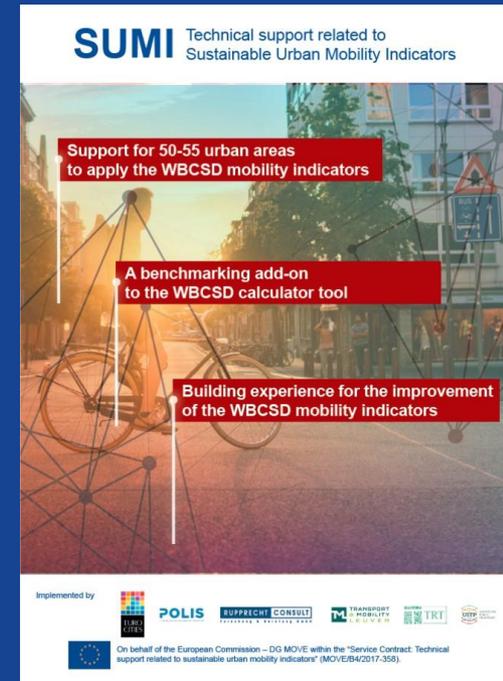
## Main project objectives:

- 1) to provide technical support to 50-55 urban areas across the EU, using revised WBCSD's indicators set **(active mobility one of them!)**
- 2) to collect learnings for the improvement of the indicator set and tool based on cities' concrete experiences
- 3) to develop a benchmarking online tool ("scoreboard")

## SUMI consortium:



Project Coordinator



## Also upcoming in 2019...

- **Guidance for cycling projects in the EU, with minimum standards for infrastructure**

[https://ec.europa.eu/transport/themes/urban/cycling/guidance-cycling-projects-eu\\_en](https://ec.europa.eu/transport/themes/urban/cycling/guidance-cycling-projects-eu_en)

- **Pilot projects:**

- Raising Awareness of alternatives to private car
- Sustainable shared mobility interconnected with public transport in rural areas (SMARTA)

- **Evaluation of the urban mobility package 2013**





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# Thank You!



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