



Recharge and Refuel - Clean, smart and fair urban mobility

The flagship technical support request

This flagship technical support request is targeted at Member States, regions and cities wishing to promote future proof clean, smart and fair urban mobility. Sustainable accessible and smart transport and zero- and low-emission vehicles, supported by shared mobility services and recharging and refuelling infrastructure, will contribute to making cities and regions cleaner and reaching climate neutrality by 2050. To this end, the flagship offers activity packages for different areas to enable Member States to engage in effective and sustainable reforms and investments for cleaner, smarter and more integrated urban mobility

Urban mobility benefits at a glance

People

- More public transport alternatives will facilitate integration of the most vulnerable citizens into the labour market
- Reduction of air pollution, CO2 emissions and noise will further improve public health



Economy

- Investments in clean and smart urban mobility will create jobs, and boost labour productivity through less time spent in traffic
- Private investments will be stimulated with important spill over effects on the local economies



Twin transition

- The reduction of energy use and greenhouse gas emissions will contribute to cleaner cities and generate significant environmental benefits
- Digitalisation of transport will enable innovative mobility services



Further efforts need to be made to address the current issues:

Fact 1: Current transport solutions are not sustainable. Achieving the climate targets for 2030 and climate neutrality by 2050 and require the decarbonisation of the national transport system, including at local level

Fact 2: Regulatory restrictions hamper the development of innovative urban mobility solutions and the deployment of alternative fuels infrastructure (e.g. hydrogen)

Fact 3: The lack of funding capacities and incentives of regional and local authorities limits their ability to invest in infrastructure and renewal of the public transport fleet



IMPACT OBJECTIVES

✓ **Contribution to jobs and growth** through the promotion of public and private investments in clean and smart urban mobility

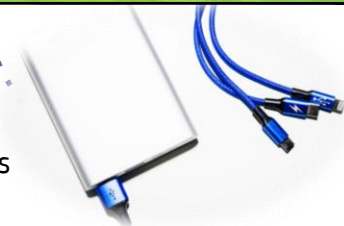
✓ **Advancing the digital and green transitions** through the reduction of gas emissions and energy use while promoting digital solutions to reduce traffic congestion

✓ **Shaping urban mobility and transport policies,** implemented through enhanced strategic planning and streamlined procedures



HOW CAN WE PROMOTE CLEAN, SMART AND FAIR URBAN MOBILITY?

This flagship identifies the **technical support measures** needed to facilitate the transition to more sustainable transport and mobility, in particular in congested urban and inter-urban areas. It suggests five activity packages with measures tailored to the national and local contexts.



URBAN MOBILITY PLANNING

creating the framework for cities to adopt and implement Sustainable Urban Mobility Plans

CLEANER VEHICLES

phasing out of the most polluting vehicles and promoting zero- and low-emission vehicles

SHARED MOBILITY SERVICES

supporting integrated and collaborative mobility services accessible on demand

ALTERNATIVE FUELS INFRASTRUCTURE

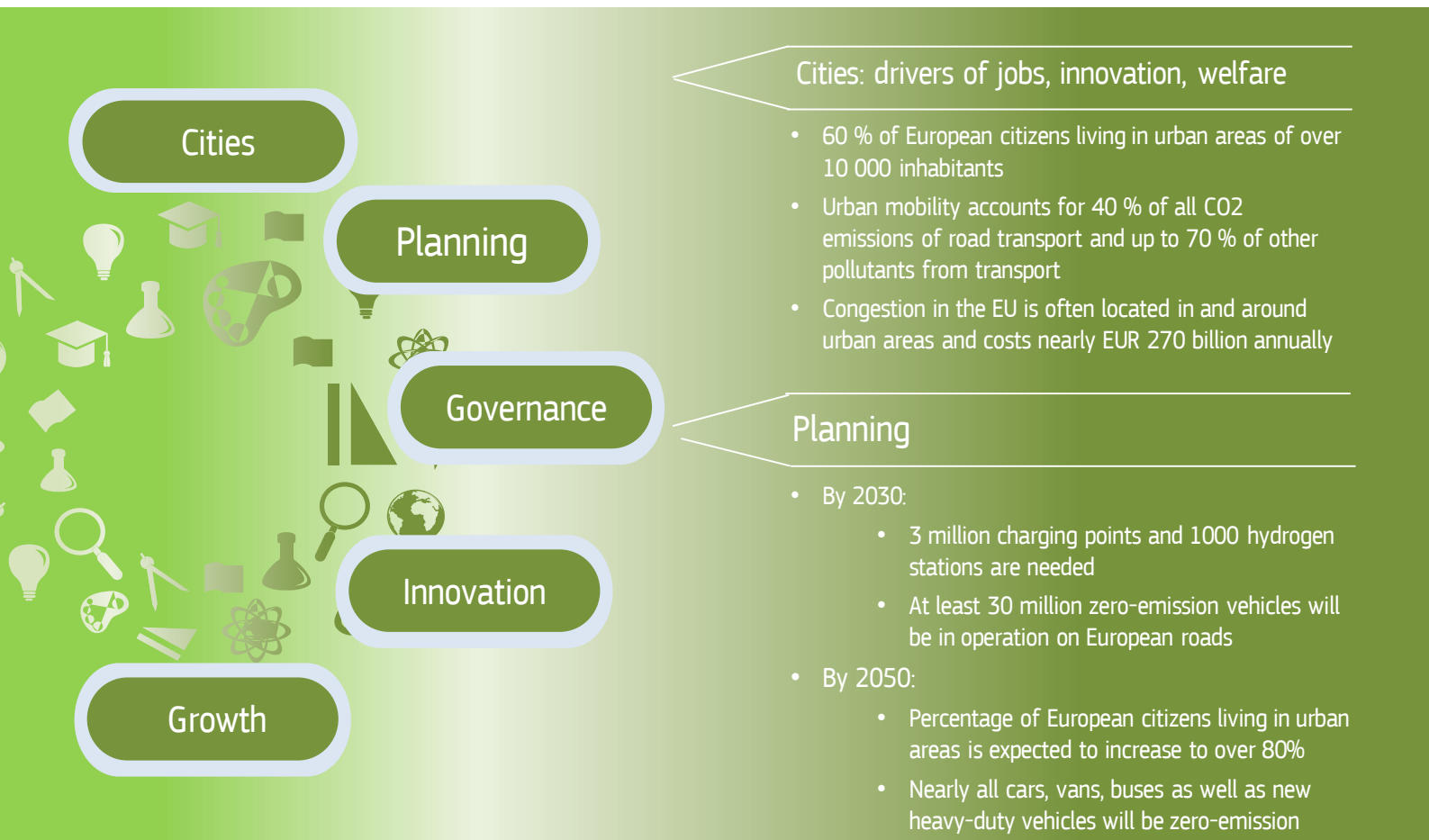
promoting strategic planning and simplified permitting procedures for the development of electric charging and hydrogen refueling points

INCENTIVISING SCHEMES

supporting the procurement of smart, safe, clean and affordable public transport fleets and their related infrastructure, as well as publicly accessible recharging and refuelling points for zero- and low-emission vehicles

FOCUS AREAS

The twin green and digital transitions will reshape urban mobility, redraw connectivity and revitalise cities and the national economy.



Cities

Planning

Governance

Innovation

Growth

Cities: drivers of jobs, innovation, welfare

- 60 % of European citizens living in urban areas of over 10 000 inhabitants
- Urban mobility accounts for 40 % of all CO₂ emissions of road transport and up to 70 % of other pollutants from transport
- Congestion in the EU is often located in and around urban areas and costs nearly EUR 270 billion annually

Planning

- By 2030:
 - 3 million charging points and 1000 hydrogen stations are needed
 - At least 30 million zero-emission vehicles will be in operation on European roads
- By 2050:
 - Percentage of European citizens living in urban areas is expected to increase to over 80%
 - Nearly all cars, vans, buses as well as new heavy-duty vehicles will be zero-emission