

Healthy and zero-emission mobility policy

UNECE & THE PEP

Sustainable Mobility and the Danube macro-region
15 December 2020

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Sustainable Transport at the Inland Transport Committee



Strengths of the Committee in the delivery of tangible results

TIR

Global Customs
facilitation tool

CMR

Contract for the
International Carriage
of Goods by Road

E40

Infrastructure Agreements
for roads (AGR), Rail (AGC),
Inland Water Transport
(AGN), Intermodal
Transport (AGTC)



Convention on Road
Signs and Signals



International Carriage
of Dangerous Goods by
Inland Waterways

ATP

Carriage of
Perishable Foodstuffs

ADR

International
Carriage of
Dangerous Goods
by Road



European Code
for Inland
Waterways



Harmonization of
Frontier Controls of
Goods



Work of Crews of Vehicles
engaged in International
Road Transport / Digital
Tachograph

CH

Convention on
Road Traffic



E1

World Forum for
Harmonization of Vehicle
Regulations (WP 29)

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Sustainable transport sectors



Infrastructure Agreements
for roads (AGR), Rail (AGC),
Inland Water Transport
(AGN), Intermodal
Transport (AGTC)



Global Customs
facilitation tool



Contract for the
International Carriage
of Goods by Road



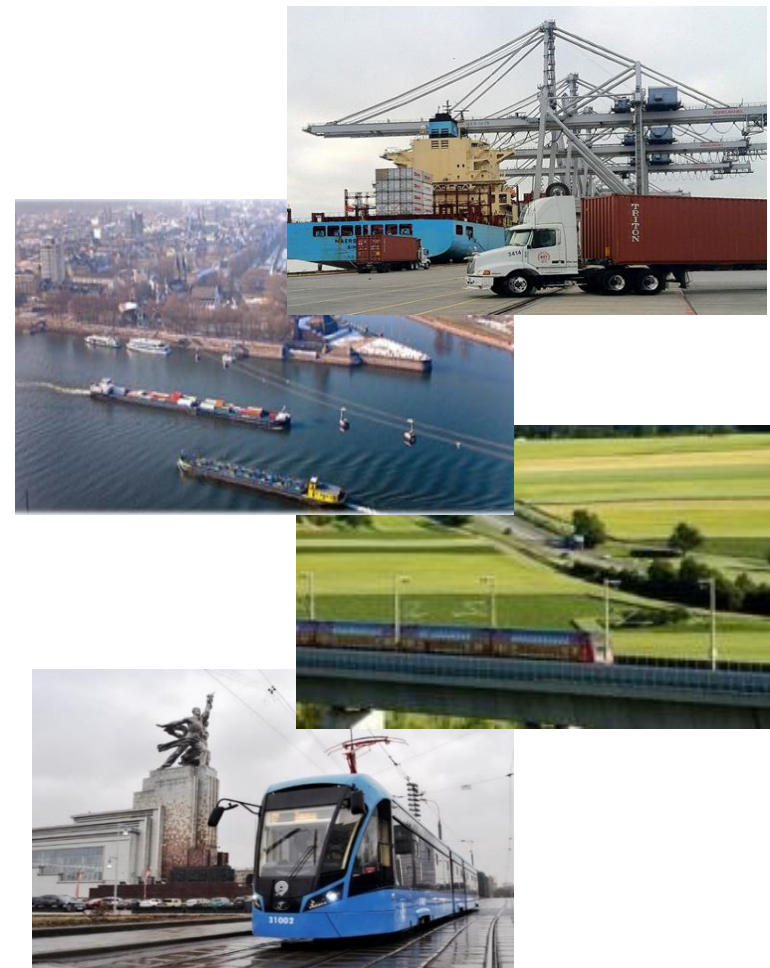
Convention on Road
Signs and Signals



International
Carriage of
Dangerous Goods
by Road

In making transport sustainable UNECE works on:

- **Green transport:**
 - Intermodal transport and logistics, Inland waterways, Railways, Urban transport
- **Efficient transport:**
 - Infrastructure agreements, border crossing facilitation
- **Environmental impact of transport**
 - Emissions / Climate change
- **Social responsibility of transport**
 - Road safety

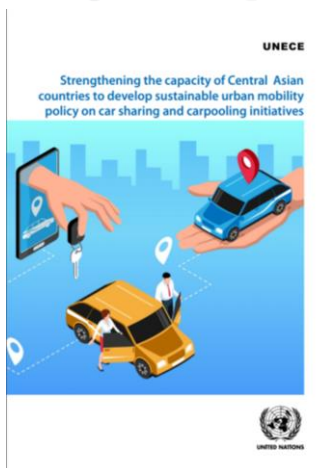


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Contributions to policy development

Car sharing and car pooling

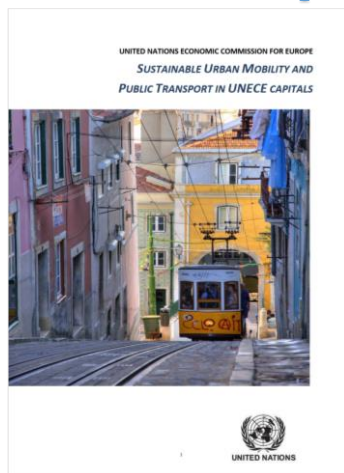


Workshop on Urban Transport and Mobility

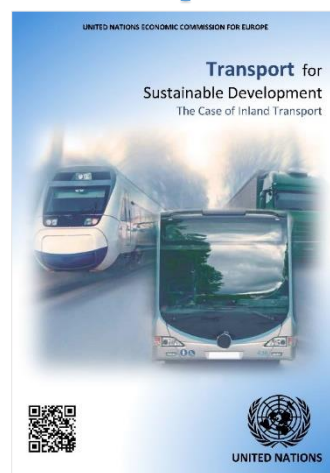
Mobility-as-a-Service



Sustainable Urban Mobility and Public Transport



Transport for sustainable development



Intelligent Transport Systems (ITS) for sustainable mobility



Climate change impacts and adaptation for international transport networks



Regulating emissions in transport

UNECE is at the forefront of the development of zero emission regulatory solutions:

- **World Forum for the Harmonization of Vehicle Regulations:**
 - Regulates vehicle emissions:
 - UN Regulation No. 83 is containing the technical provisions for the pollutant emissions standards up to Euro 6 for cars.
 - UN Regulation No. 49 is containing the technical provisions for the pollutant emissions standards up to EURO VI for trucks and busses.
 - UN Regulation No. 101 is containing the technical provisions for the measurement of the fuel economy and the CO₂ emissions for cars.
 - UN Regulations addressing connectivity adopted (automated emergency call systems, automated vehicles, cyber-security)



Sustainable urban transport: THE PEP

The Transport Health and Environment Pan-European Programme aims to develop and promote sustainable and healthy transport patterns

THE PEP addresses sustainable mobility, urban planning, integration of health & environmental aspects into transport policy, clean air and combatting climate change, international cooperation

Aim:

To achieve transport patterns that are sustainable for human health and the environment in the pan-European region through an integrated policy approach.



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THE PEP

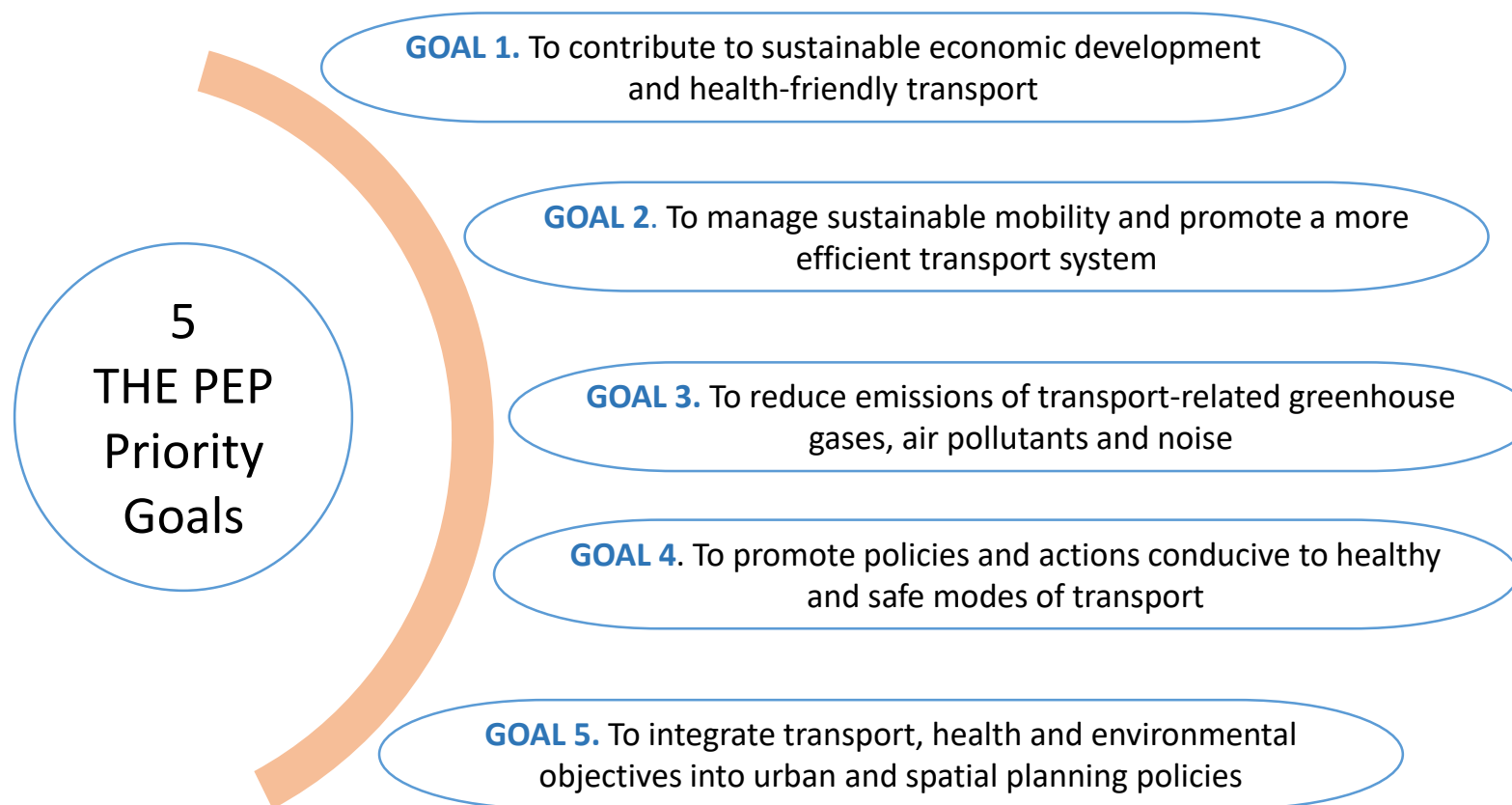
Transport, Health
and Environment
Pan-European Programme



UNECE



World Health
Organization
REGIONAL OFFICE FOR
Europe



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THE PEP

Transport, Health
and Environment
Pan-European Programme



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World Health
Organization
REGIONAL OFFICE FOR
Europe



Public
transport

Cycling

Walking



Green jobs

Resource-efficiency

Electric mobility, ITS,
zero- and low- emission
vehicles

Physically active mobility
and interconnected mobility

Local development

Accessibility

Sustainable land-use

Air quality

Road Safety

Health benefits



**Green and Healthy
Cities**



IN PRACTICE →

THE PEP GOAL 5. To integrate transport, health and
environmental objectives into urban and spatial
planning policies



*Soon to be developed a study on current
and good practices from the Pan-
European UNECE region*

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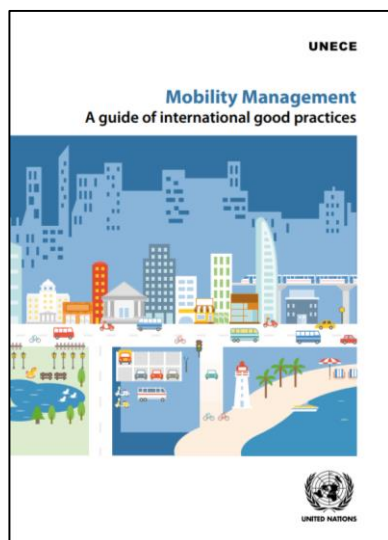
Key outputs of THE PEP



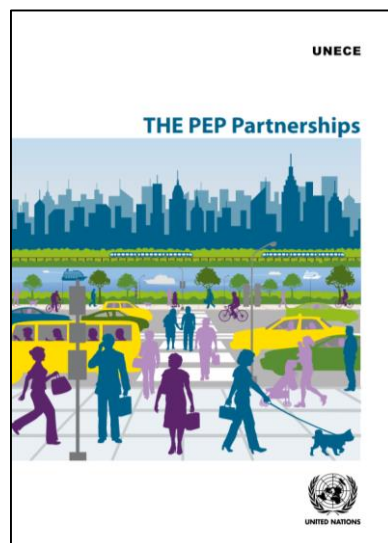
Relay race on active mobility - Rimini



Mobility Management



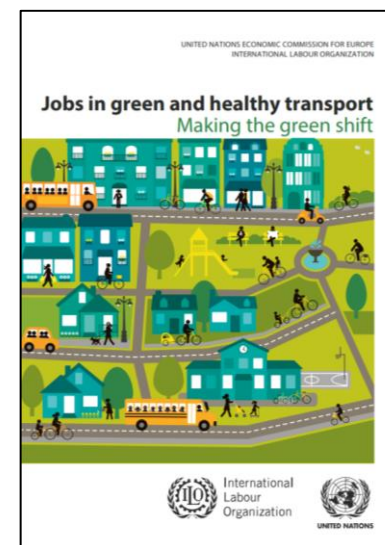
THE PEP Partnerships



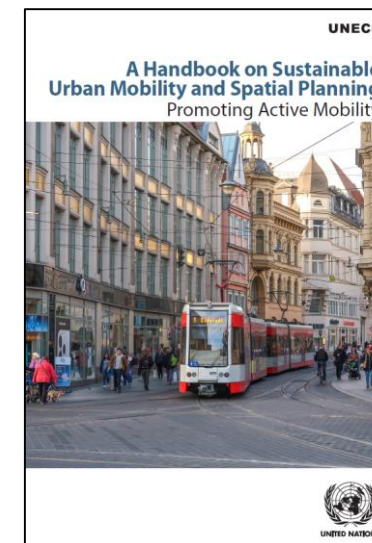
Cycling and green jobs



Jobs in Green and Healthy: Making the Green Shift



Sustainable Urban Mobility and Spatial Planning



Key upcoming outputs of THE PEP

- Task Force on the Development of Green and Healthy Sustainable Transport Recommendations
- Pan-European Masterplan for Cycling Promotion
- European Cycling Infrastructure Network
- Study on Eco-driving



...all inputs into the 5th High Level Meeting of Ministers of Transport, Health and Environment in Vienna 17-18 May 2021.



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Health Economic Assessment Tool for **Walking** and **Cycling**

Economic assessment of health benefits of walking or cycling, studying the effects on mortality

If x people walk/cycle an amount of y on most days, what is the economic value of the health benefits that occur as a result of the reduction in mortality due to their physical activity?

- Assesses current (or past) levels of cycling or walking
- Assesses changes over time
- Evaluates new or existing projects, e.g., What is the health benefit of this investment?
- New HEAT assessments: effect of air pollution and accidents, carbon effects

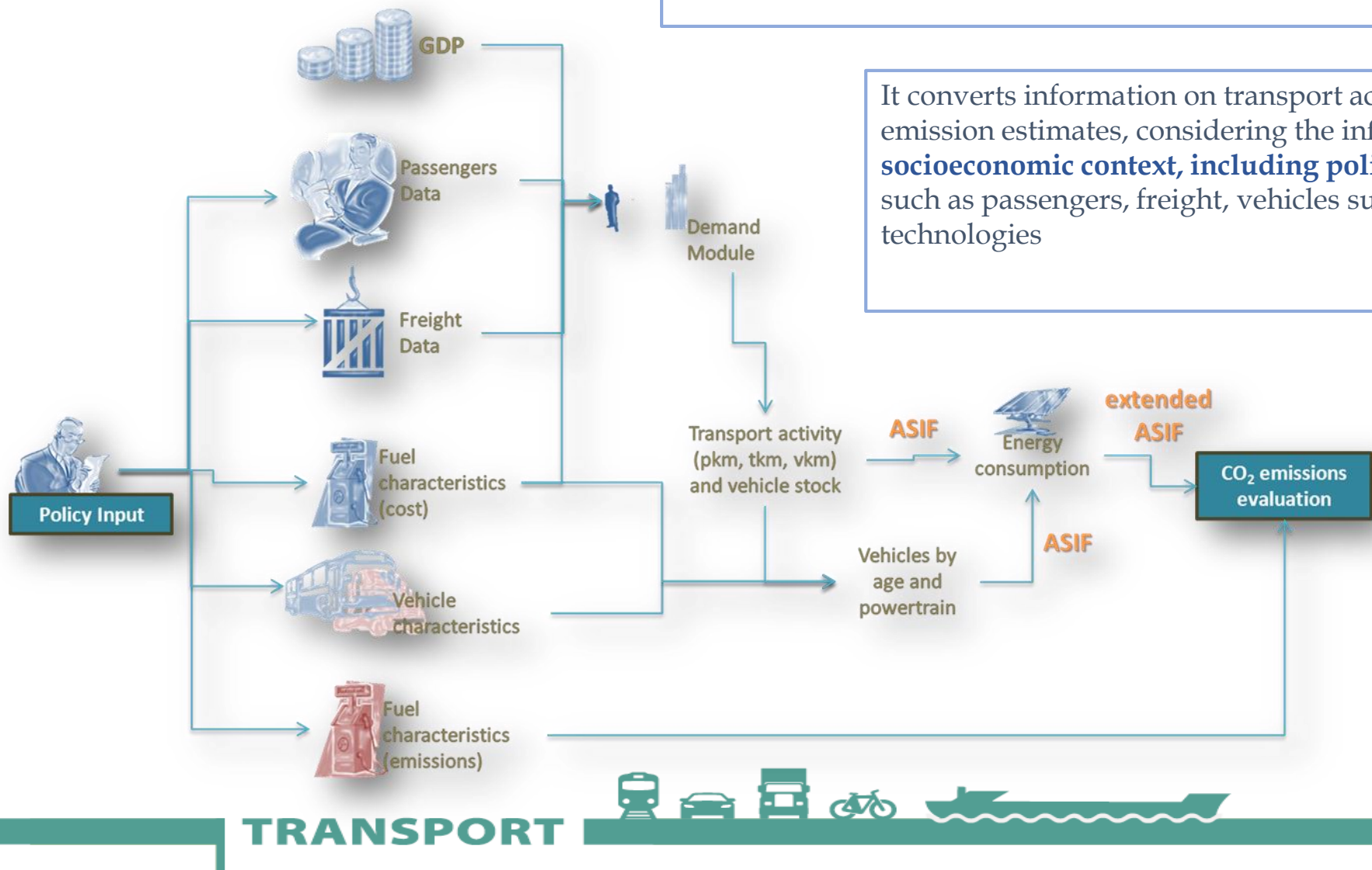
Online tool www.heatwalkingcycling.org



For FITS

For Future Inland Transport Systems

A study of transport activity, energy use and CO₂ emissions to build **future policy scenarios**



It converts information on transport activity into fuel consumption and CO₂ emission estimates, considering the influence of the **demographic and socioeconomic context, including policy inputs**, such as passengers, freight, vehicles subsets, 10 fuels blends, 31 powertrain technologies

- **Evaluation of transport policies**
- **Country-specific or regional**
- **Future Projection**
- **Decarbonization of transport**

Thank you for your attention

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