

# Healthy and zero-emission mobility policy

## UNECE & THE PEP

Sustainable Mobility and the Danube macro-region  
15 December 2020

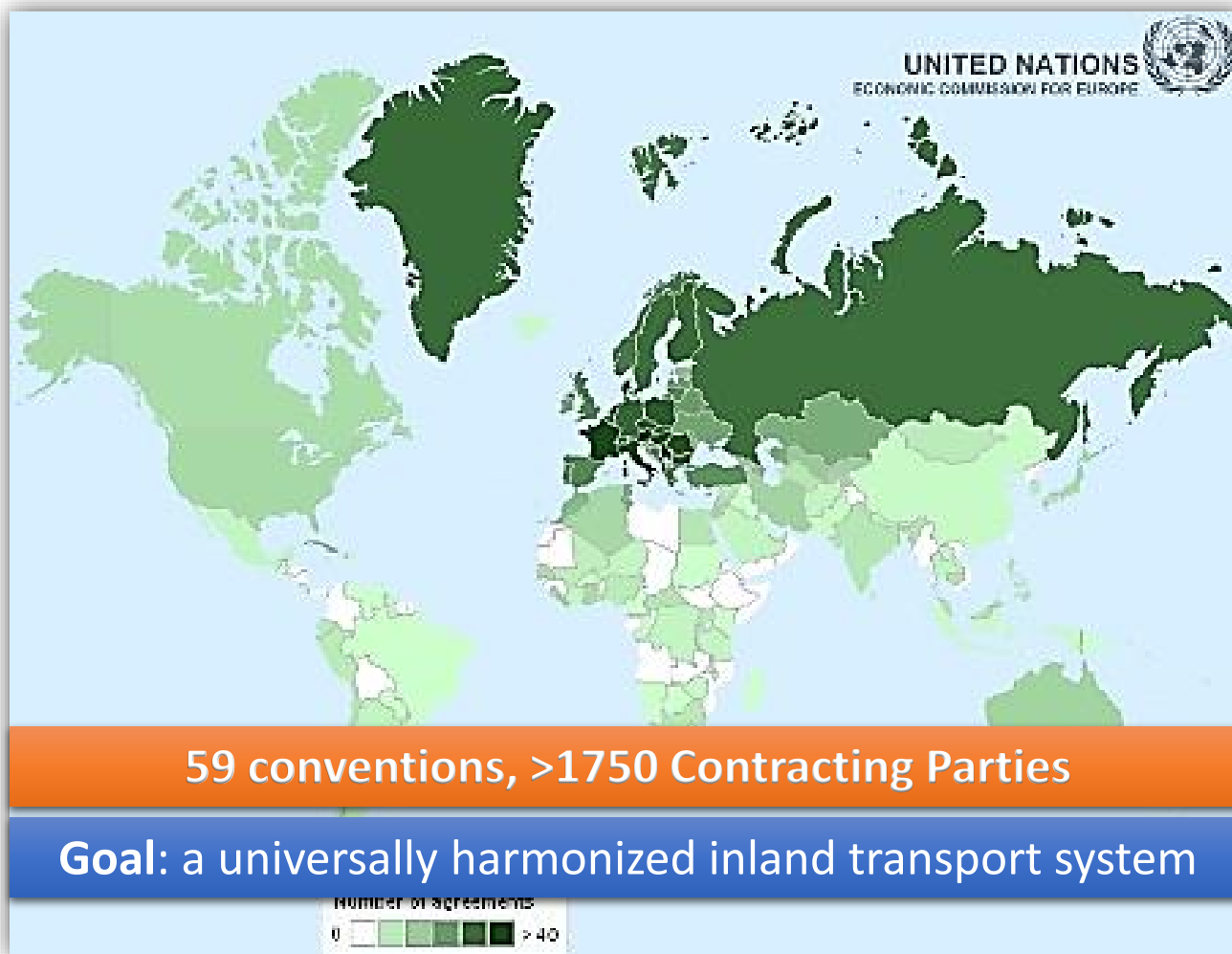
---

**Mr. Francesco DIONORI**

**Chief of the Transport Networks & Logistics Section  
Sustainable Transport Division**



# 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



International Driving Permit



Green Card Motor Vehicle Insurance System

**E1**

World Forum for Harmonization of Vehicle Regulations (WP 29)



# Sustainable transport sectors

**E40**

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

**TIR**

Global Customs  
facilitation tool

**CMR**

Contract for the  
International Carriage  
of Goods by Road



Convention on Road  
Signs and Signals

**ADR**

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



**TRANSPORT**





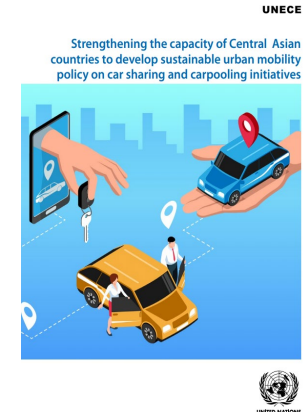
# Contributions to policy development

## Car sharing and car pooling

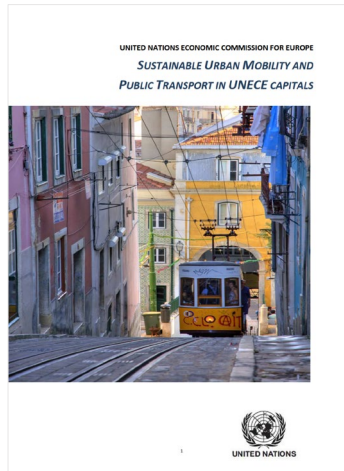


Workshop on Urban Transport and Mobility

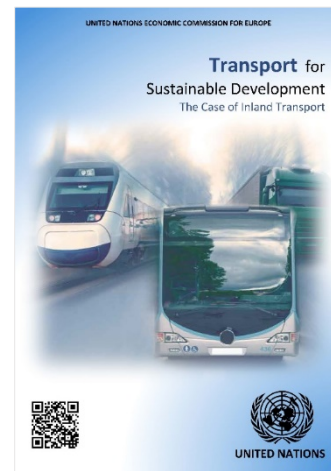
## Mobility-as-a-Service



## 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.

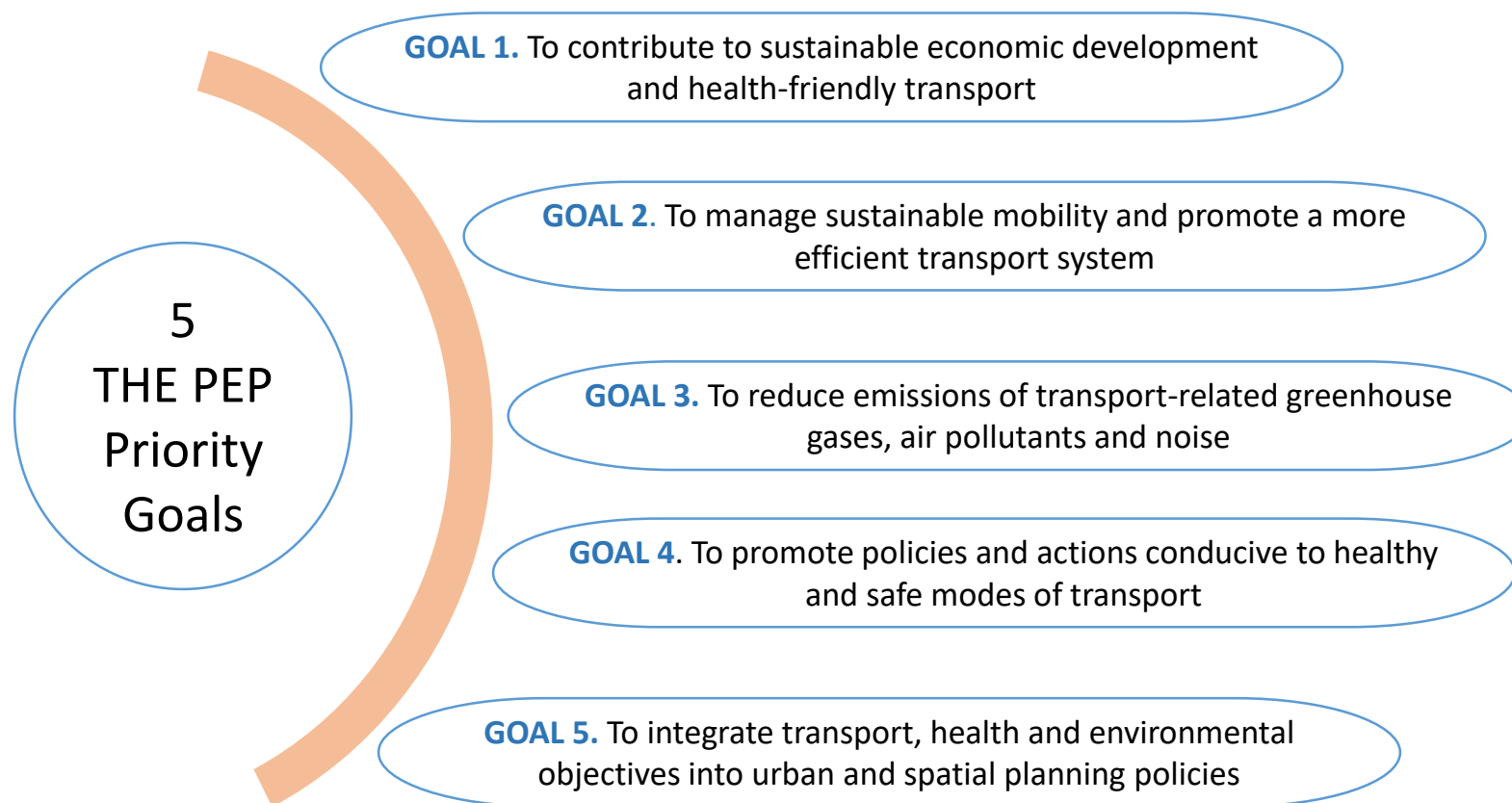


TRANSPORT



# THE PEP

Transport, Health  
and Environment  
Pan-European Programme

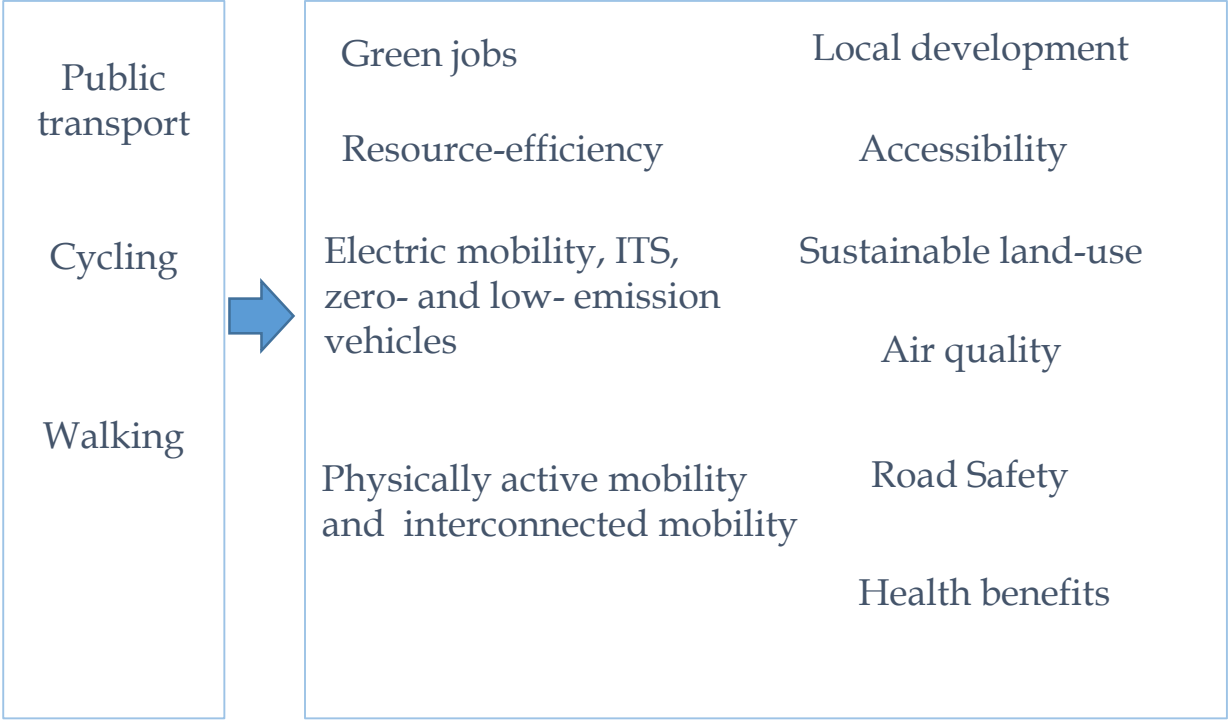




# THE PEP

Transport, Health and Environment Pan-European Programme

World Health Organization  
REGIONAL OFFICE FOR Europe



**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*





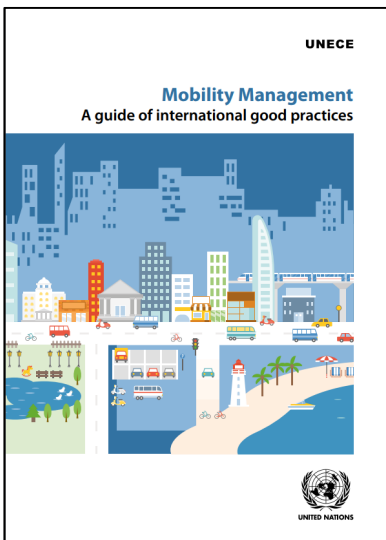
# Key outputs of THE PEP



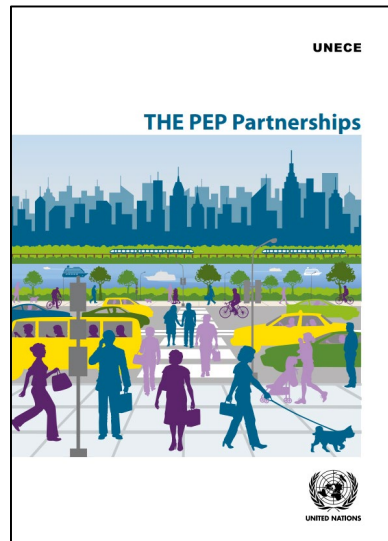
Relay race on active mobility - Rimini



## Mobility Management



## THE PEP Partnerships



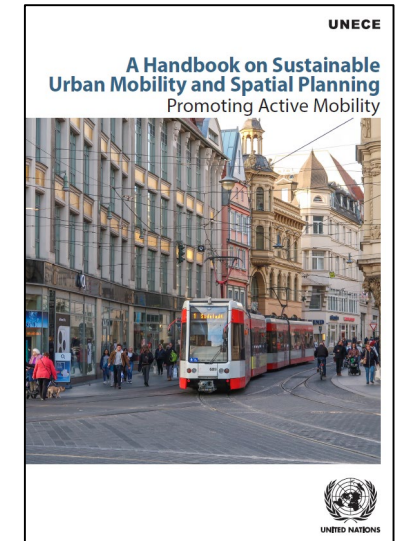
## Cycling and green jobs



## 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 5<sup>th</sup> High Level Meeting of Ministers of Transport, Health and Environment in Vienna 17-18 May 2021.



TRANSPORT



## 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](http://www.heatwalkingcycling.org)*

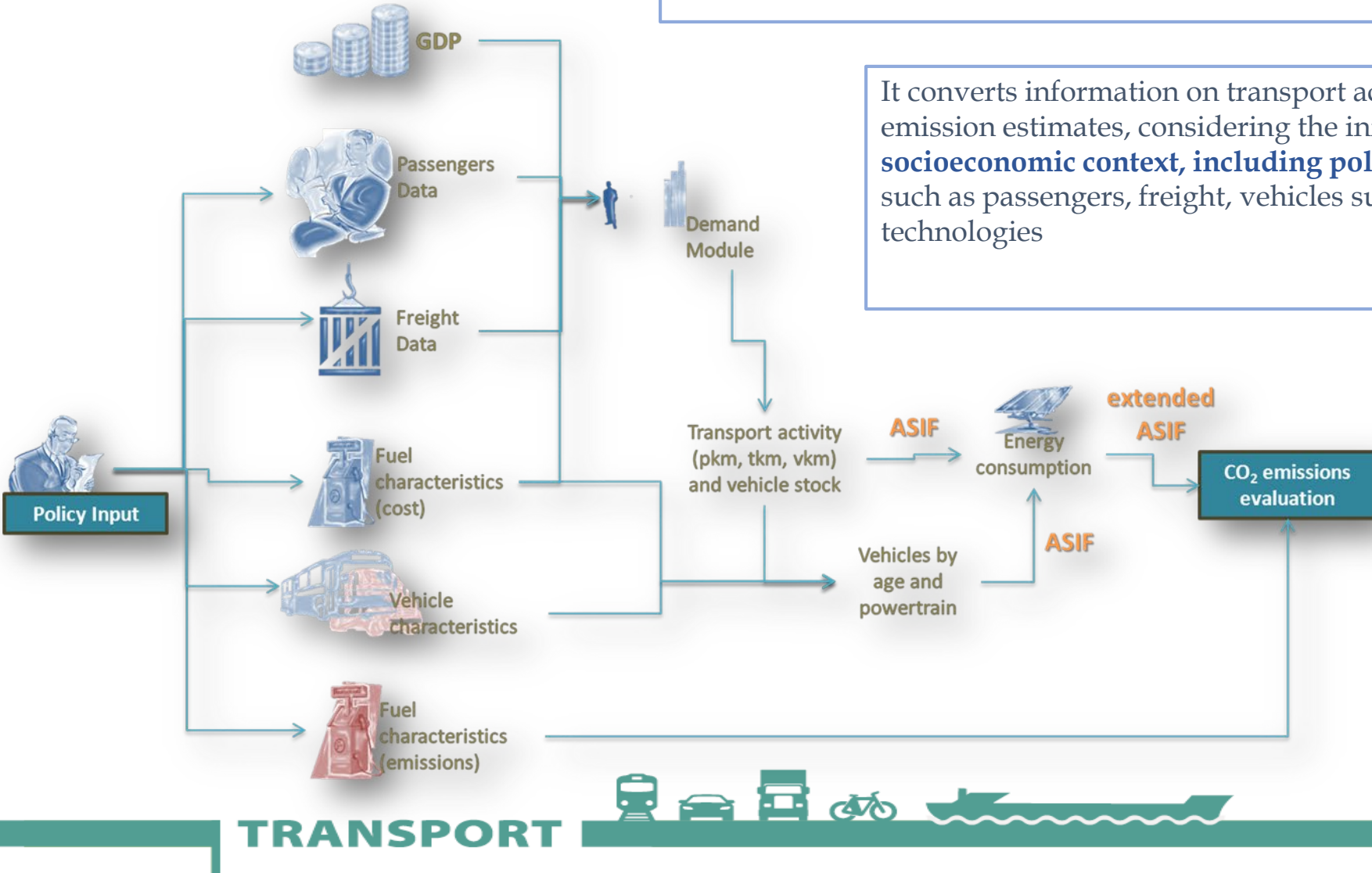


# For FITS

For Future Inland Transport Systems

A study of transport activity, energy use and CO<sub>2</sub> emissions to build **future policy scenarios**

It converts information on transport activity into fuel consumption and CO<sub>2</sub> 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**

**Francesco Dionori**

**Chief of Transport Networks & Logistics Section**

**Sustainable Transport Division – UNECE**

**[francesco.dionori@un.org](mailto:francesco.dionori@un.org)**

