The need for decarbonising the transport sector

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GHG emission trajectory for 1.5 °C

Different zero GHG pathways lead to different levels of remaining emissions and absorption of GHG emissions.

MtCO2eq

Non-CO2 other
Non-CO2 Agriculture
Residential
Tertiary
Transport
Industry
Power
Carbon Removal Technologies
LULUCF
Net emissions
Clean Energy Package

Energy Union Governance

Energy Efficiency
- 32.5%

Renewables
- 32%

Electricity Market Design
- Regulation and Directive on internal electricity market;
- Regulation on risk-preparedness,
- ACER regulation

Enabling Framework

Innovative

Inter-connected

Socially fair

Digital

Inclusive

Safe for all

Investment-friendly
Development of GHG emissions in transport

Greenhouse gas emission in the EU in percentage change since 1990:

Road transport = 22% of total EU emissions
Transport sector

Mtoe

2015  2030  Baseline  EE  CIRC  ELEC  H2  P2X  COMBO.5TECH1.5LIFE

- electricity
- hydrogen
- e-gas
- biogas
- natural gas
- liquid biofuel
- e-liquids
- oil products

#EnergyUnion
TARGETED POLICY ON PROMOTING RENEWABLES IN TRANSPORT

- Obligation of fuel suppliers achieving 14% target
- Indicative trajectory
- Scope: biofuels, res electricity, RFNBOs, recycled carbon fuels
- Contribution of conventional biofuels optional and limited.

Multipliers

- x4
- x1.5
- x1.2
- x2
Europe should be the first climate neutral continent in the world.

“All of us and every sector will have to contribute to reduce emissions, from aviation to maritime transport to the way each and everyone of us travels and lives. Emissions must have a price that changes our behaviour.”