

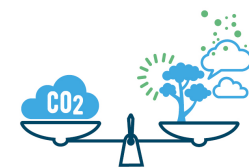
The 2019 French Low Carbon Strategy

Passenger transport in the French low carbon strategy



The 2019 French low carbon strategy

Carbon Neutrality in 2050

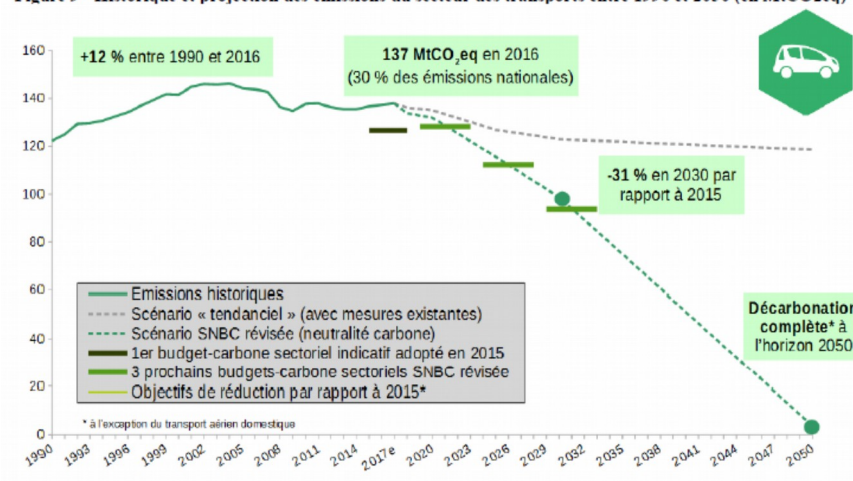


- **An ambitious yet reachable goal** (urge for concrete and strong measures but strategy developed on a realistic scenario)
- **A necessary step to respect the Paris Agreement commitments**

- **Transforming the Transport sector :**
 - 2030 : -31 % compared to 2015
 - 2050 : **complete decarbonization** (except for a small amount of CO₂e in aviation)

- Past trends and projections in the transport sector

Figure 9 - Historique et projection des émissions du secteur des transports entre 1990 et 2050 (en MtCO₂e)



Transforming the passenger transport sector

- **Decarbonizing passenger transport**

- **Electrifying passenger cars**

- → **Objective : 100 % electric fleet for new vehicles by 2050**

- (Biogas is used on priority by HGVs and LCVs due to the limited quantity of biomass. Electric vehicles may include H2)

- **Electric and alternative fuels charging infrastructure deployment**

- **Bus and coach : electric vehicles (including hydrogen) + biogas vehicles**

- **Train : electricity (including hydrogen)**

- **Aviation : biofuels up to 4 % by 2030 and 50 % by 2050 (there is a small amount of remaining CO2 in aviation by 2050)**



Transforming the passenger transport sector



- **Improving vehicle energy efficiency**
 - A necessity to limit energy consumption
 - Objective : 4 L / 100 km (real consumption) for new cars in 2030
 - A decrease in the consumption of all types of vehicles (electric cars, bus and coach, aviation ...)
 - Aviation : a target of -1,5 %/year in energy consumption efficiency

Transforming the passenger transport sector

- **Limiting the increase of passenger traffic, encouraging modal shift towards public transport and bicycling and car sharing**
 - **Limiting the increase in traffic : car sharing, teleworking**
 - **Encouraging modal shift :**
 - **Bicycle modal share : objective of the 2019 Law on Mobility : modal share X3 by 2024 and X4 by 2030**
 - **Investments in public transport**
 - **In the scenario overall traffic (all modes in pass-km) increases but less than in a business as usual scenario (+26 % between 2015 and 2050 compared to +30% in a BAU scenario). Taking into account modal shift and car sharing, traffic projections in car-km are stable (-2 % between 2015 and 2050 compared to +24 % in a BAU scenario).**

