Avoid Shift Improve – Energy Efficiency

Energy efficiency
(More with less)

System efficiency

Organisation of land use, social and econimic activies to reduce need for transport

Travel efficieny

Use of energy-efficient modes to reduce energy consumption per trip

Vehicle efficiency

Optimising vehicle technologies to consume as little energy as possible

Avoid

Avoid or reduce travel or the need to travel

Shift

Shift to more energy efficient modes

Improve

Improve efficiency through vehicle technology

Transport activity

Total transport activity of passengers and freight (pkm / fkm)

Modal share

Percentual share of each transport mode (%)

Energy consumption

Energy consumption per kilometer and carbon intensity of fuel mix (MJ/km and CO2/MJ)

Carbon emissions
(Transport activity x modal share x energy consumption)

Illustration based on: Bongardt et al (2011, p.6). Beyond the Fossil City: Towards low Carbon Transport and Green Growth. GIZ. https://www.changing-transport.org/wp-content/uploads/2011_Bongardt_etal_BeyondtheFossilCity.pdf (accessed: 20.09.2018)
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