This is one of a series of country factsheets which summarise trends in fossil fuel and renewable energy use, transport energy targets, and threats and opportunities in the energy and transport sectors.

## Nexus between Transport and Renewable Energy

#### **Country Typology Framework**

SLOCAT SLOBAL PARTNERSHIP

This framework is the basis for an analysis of fossil fuel subsidy reform and renewable energy scale up in the transport sector, which can reduce carbon emissions and generate tax revenues for sustainable development.



ambitious long-term mitigation targets. However, Norway's continued oil and gas exploration and exportation remain at odds with its climate action plans.

GDP per capita 2019

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#### **Population 2019** 2



# **Fossil Fuel Energy**



		+15%	
<b>Fossil fuel consumption</b> <b>subsidies</b> in USD per capita (2019) ( <b>Source:</b> FossilFuelSubsidyTracker)	67.2 Share of GDP 0.09%	Trend 2011-2019 - <b>36%</b>	In 2000, to prevent increased consumption of heating oil due to newly introduced higher tax rates on electricity, a base tax on mineral oil was introduced. Most uses of mineral oil where electricity was no alternative, were exempted from the tax. The standard rate of the tax on mineral oil has been increasing over time and it now exceeds the standard rate of the electricity tax, but a range of exceptions remain. (Sources: OECD)
<b>Fossil fuel production</b> <b>subsidies</b> in USD per capita (2019) ( <b>Source:</b> FossilFuelSubsidyTracker)	2.34 Share of GDP 0.003%	Trend 2011-2019	2015-2017 Norway provided substantial budget transfers to its coal mining industry. Production support for oil and gas is minimal and has remained relatively constant over the last decade. (Source: OECD)
<b>Transport fossil fuel</b> <b>subsidies</b> in million USD per capita (2019)	Share of GDP	Trend 2014-2019 no data	Subsidies for petrol and diesel were eliminated in 2014. (Sources: OECD, IISD)
Image: Second state      Image: Second stat  <	orway has allocated over ing to CCS and renews restments in public trans purce: GRO)	er two thirds of its recovery b able energy, with smaller bu nsport, rail and shipping.	budget in green investments, with a large share dgets allocated for clean energy R&D and

## **Renewable Energy**



#### Transport Share of Share of $\mathbf{+}$ € transport in transport in 21.4% 27.6% total energy total fossil fuel .2% 3.2% demand CO<sub>2</sub> emissions 2010 - 2019 2010 - 2019 (%) (2019) (%) (2019) 21.8% 28.9% (Source: EDGAR) (Source: IEA) Trend 2010-2019 Trend 2010-2019 Carbon intensity of road Transport CO<sub>2</sub>/capita $(t CO_2/cap)$ (2019) transport (gCO<sub>2</sub>/MJ) -26% -1.2% (Source: EDGAR, World Bank) (Source: IEA) **o** no data available 21.4



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Motorisation rate 2015 (vehicles\* per 1 000 inhabitants)

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## VEHICLE ELECTRIFICATION

	Total number in use (2019)	Growth (2018-2019)	Number sold (2019)	Growth (2018-2019)
Electric Cars	• 328783	32%	<b>•</b> 79669	9.5%
Electric 2-wheelers	• -	—	● 152000	—
Electric 3-wheelers	• -	—	630000	—
Electric Buses	• 302	319%	230	461%

In Norway, battery-electric cars have been exempt from registration tax since 1990 and from value added tax since 2001. Such taxes in Norway can be up to half or as much as the full initial (pre-tax) vehicle purchase price.

## **EV** targets

(Source: REN21)



of new passenger car and light van sales by 2025

Additionally, all new urban buses sold in 2025 shall be zero emitters or use biogas. By 2030, all new heavy duty vehicles, 75 per cent of new long distance coaches and 50 per cent of new trucks shall be zero emission vehicles.



bioethanol



Norway has had a 1% blend-in requirement for sustainable biofuel in aviation since 2019, and is targeting a 30% blend-in requirement in 2030.

**(2020)** Target (2020) Vuse (2019)

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#### VEHICLE EFFICIENCY



# **Threats and Opportunities**



# THREATS

**OPPORTUNITIES** 

#### Sources

EDGAR | ETT | GON | GRO | ICCT LDV | IEA | IEA EV | IEA FFS | OECD | OICA | REN21 | TCC-GSR | World Bank



