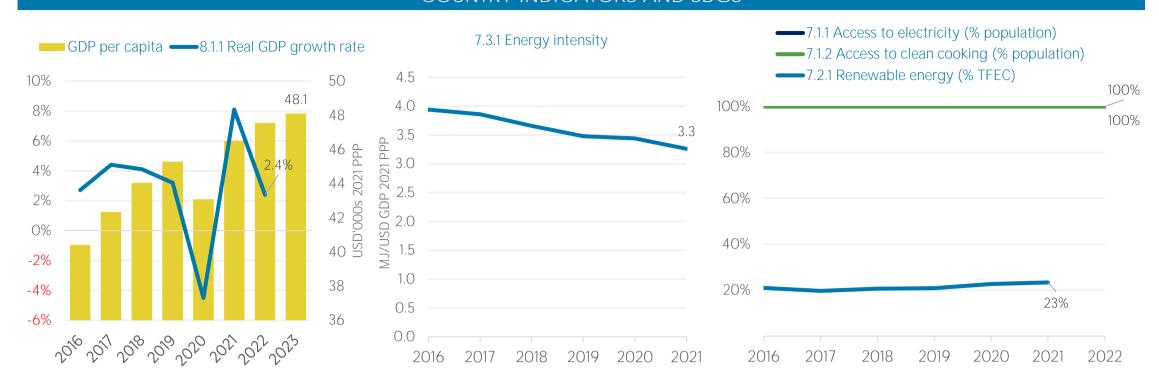
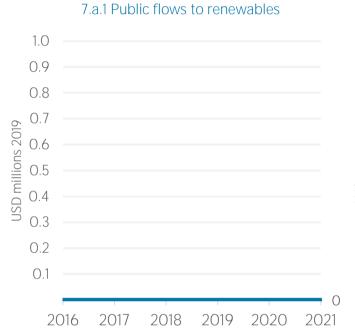
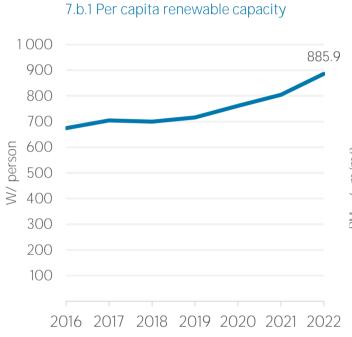
## Slovenia

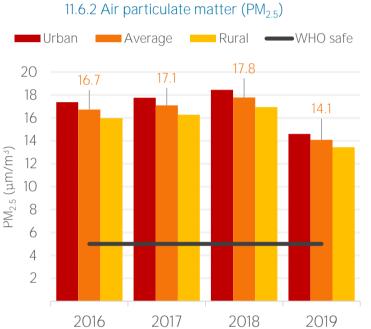


#### **COUNTRY INDICATORS AND SDGS**







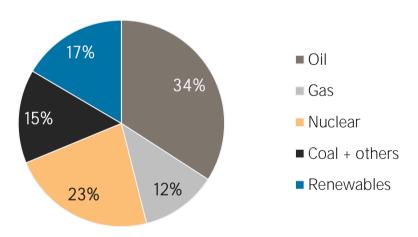


#### TOTAL ENERGY SUPPLY (TES)

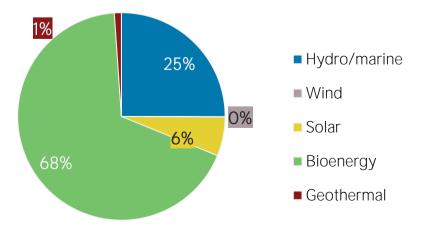
Total Energy Supply (TES)	2016	2021
Non-renewable (TJ)	231 860	226 704
Renewable (TJ)	43 909	44 916
Total (TJ)	275 769	271 620
Renewable share (%)	16	17
Growth in TES	2016-21	2020-21
Non-renewable (%)	-2.2	+0.7
Renewable (%)	+2.3	+1.2
Total (%)	-1.5	+0.8

2016	2021
260 969	236 024
121 634	99 754
- 139 335	- 136 270
95	87
85	74
52	50
	260 969 121 634 - 139 335 95 85

#### Total energy supply in 2021

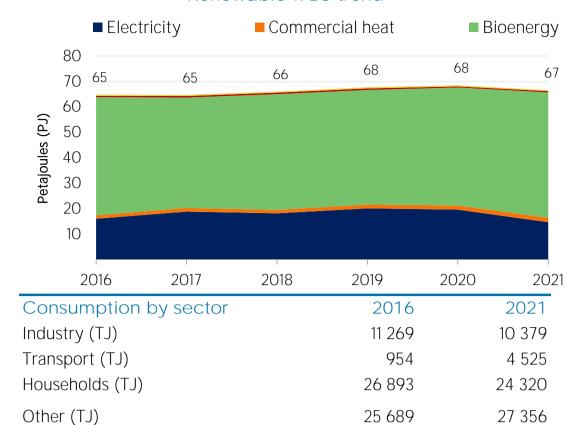


#### Renewable energy supply in 2021

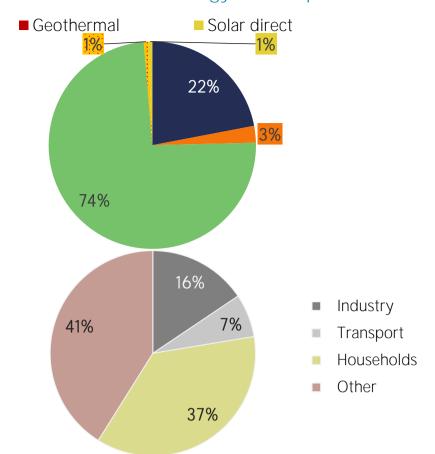


### RENEWABLE ENERGY CONSUMPTION (TFEC)

#### Renewable TFEC trend

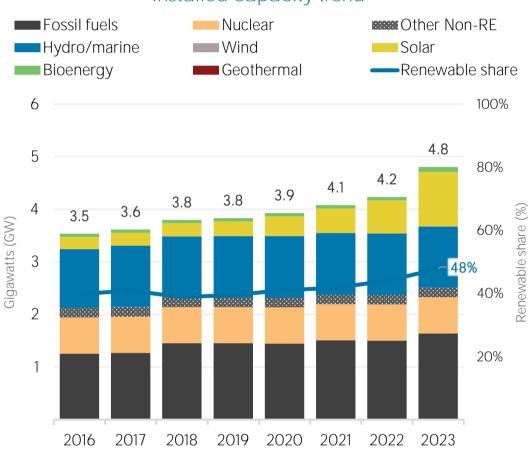


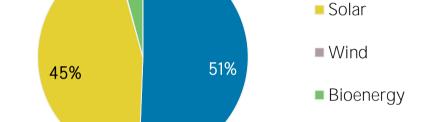
#### Renewable energy consumption in 2021



#### **ELECTRICITY CAPACITY**

Installed capacity trend





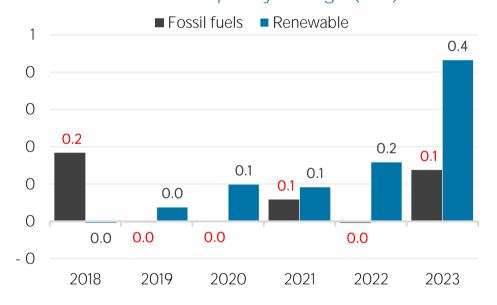
Renewable capacity in 2023

■ Hydro/marine

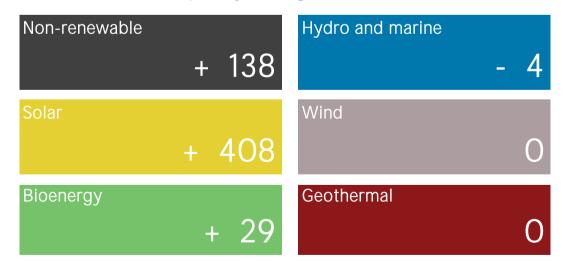
■ Geothermal

4%,0%

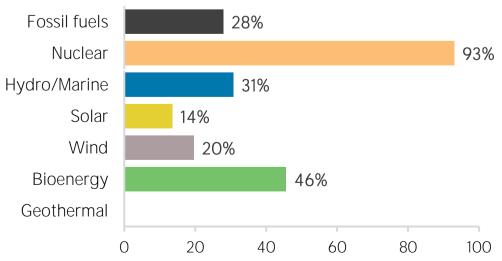
Net capacity change (GW)



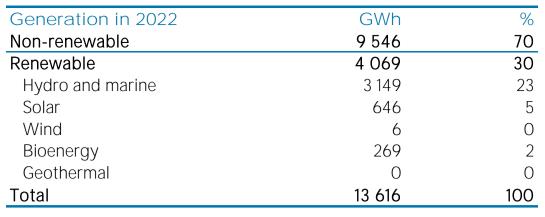
## Net capacity change in 2023 (MW)

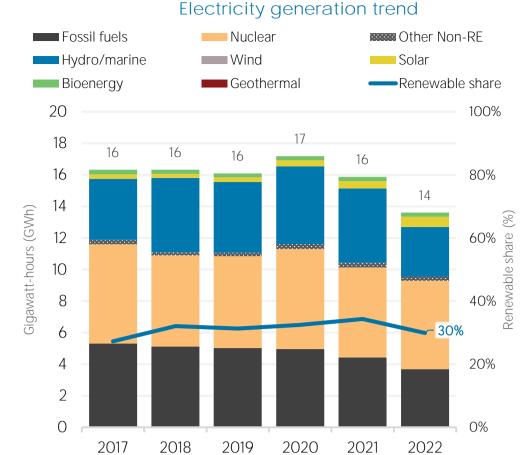


#### Capacity utilisation in 2022 (%)

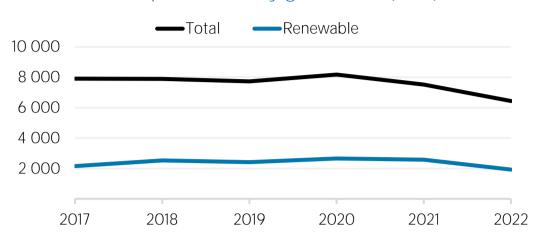


#### **ELECTRICITY GENERATION**



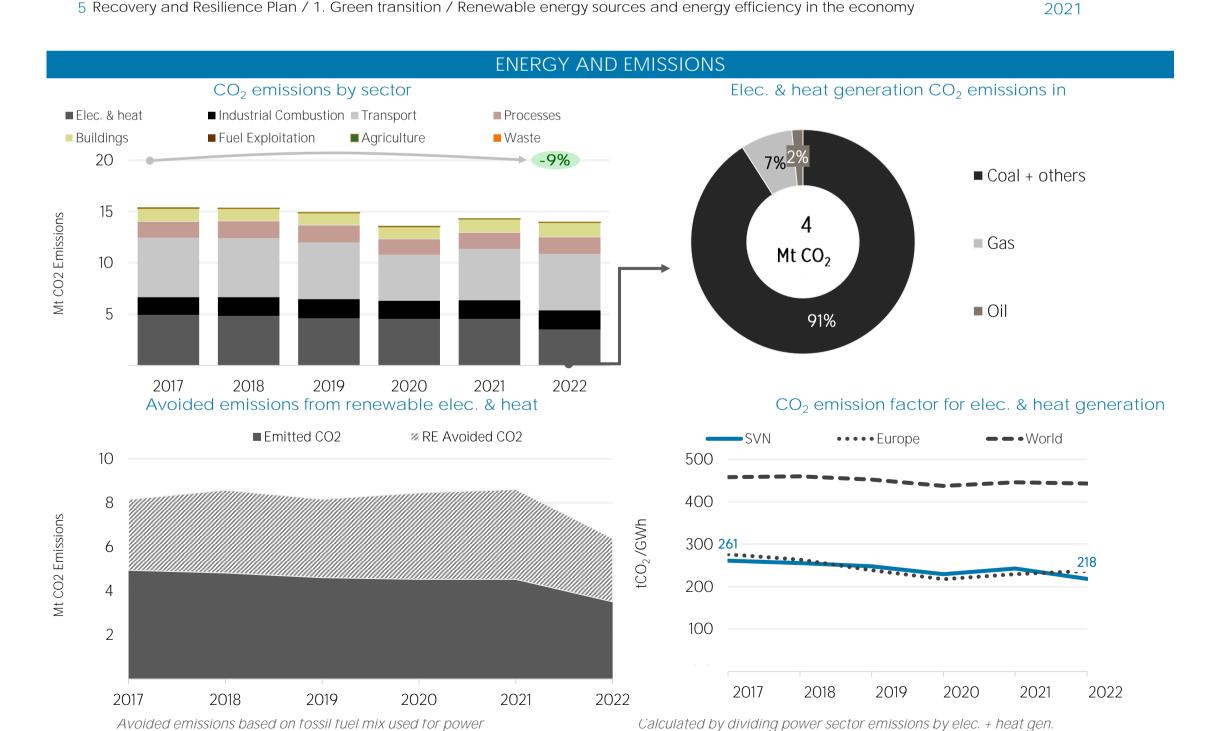


#### Per capita electricity generation (kWh)



## LATEST POLICIES, PROGRAMMES AND LEGISLATION 1 Regulation on setting the price of electricity for micro, small and medium-sized enterprises 2023 2 Energy related subsidies for agricultural and fishing sector 2022 3 One-time energy supplement 2022 4 Price caps on fuels 2022 5 Recovery and Resilience Plan / 1. Green transition / Renewable energy sources and energy efficiency in the economy

2017



#### RENEWABLE RESOURCE POTENTIAL

100%

80%

60%

40%

20%

<260

260-420

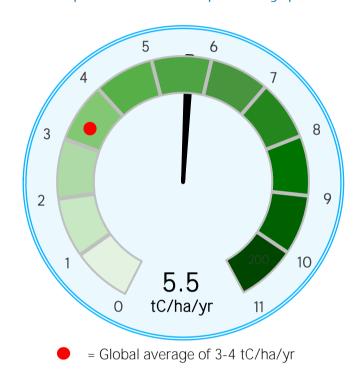
Proportion of land area

## Distribution of solar potential World Slovenia 100% 80% Proportion of land area 60% 40% 20% <1.2 1.4 - 1.6 1.6 - 1.8 1.8 - 1.9 >2.0 Annual generation per unit of installed PV capacity (MWh/kWp)

# Distribution of wind potential World Slovenia

420-560 560-670 670-820 820-1060 >1060 Wind power density at 100m height (W/m<sup>2</sup>)

#### Biomass potential: net primary production



#### Indicators of renewable resource potential

Solar PV: Solar resource potential has been divided into seven classes, each representing a range of annual PV output per unit of capacity (kWh/kWp/yr). The bar chart shows the proportion of a country's land area in each of these classes and the global distribution of land area across the classes (for comparison).

Onshore wind: Potential wind power density (W/m²) is shown in the seven classes used by NREL, measured at a height of 100m. The bar chart shows the distribution of the country's land area in each of these classes compared to the global distribution of wind resources. Areas in the third class or above are considered to be a good wind resource.

Biomass: Net primary production (NPP) is the amount of carbon fixed by plants and accumulated as biomass each year. It is a basic measure of biomass productivity. The chart shows the average NPP in the country (tC/ha/yr), compared to the global average NPP of 3-4 tonnes of carbon

Sources: IRENA statistics, plus data from the following sources: UN SDG Database (original sources: WHO; World Bank; IEA; IRENA; and UNSD); UN World Population Prospects; UNSD Energy Balances; UN COMTRADE; World Bank World Development Indicators; EDGAR; REN21 Global Status Report; IEA-IRENA Joint Policies and Measures Database; IRENA Global Atlas; and World Bank Global Solar Atlas and Global Wind Atlas.

Additional notes: Capacity per capita and public investments SDGs only apply to developing areas. Energy self-sufficiency has been defined as total primary energy production divided by total primary energy supply. Energy trade includes all commodities in Chapter 27 of the Harmonised System (HS). Capacity utilisation is calculated as annual generation divided by year-end capacity x 8,760h/year. Avoided emissions from renewable power is calculated as renewable generation divided by fossil fuel generation multiplied by reported emissions from the power sector. This assumes that, if renewable power did not exist, fossil fuels would be used in its place to generate the same amount of power and using the same mix of fossil fuels. In countries and years where no fossil fuel generation occurs, an average fossil fuel emission factor has been used to calculate the avoided emissions.

These profiles have been produced to provide an overview of developments in renewable energy in different countries and areas. The IRENA statistics team would welcome comments and feedback on its structure and content, which can be sent to statistics@irena.org.

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IRENA Headquarters Masdar City P.O. Box 236, Abu Dhabi **United Arab Emirates** www.irena.org