TurkStat experience on SDG 7.2.1

Hakan YAZICIOĞLU
Head of Sustainable Development Indicators Group

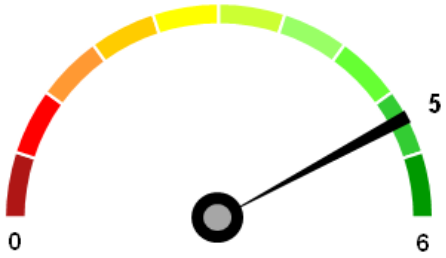
SESRIC- IEA Webinar on Energy Statistics for the SDG Indicators
9 November 2021

2021 Press Release

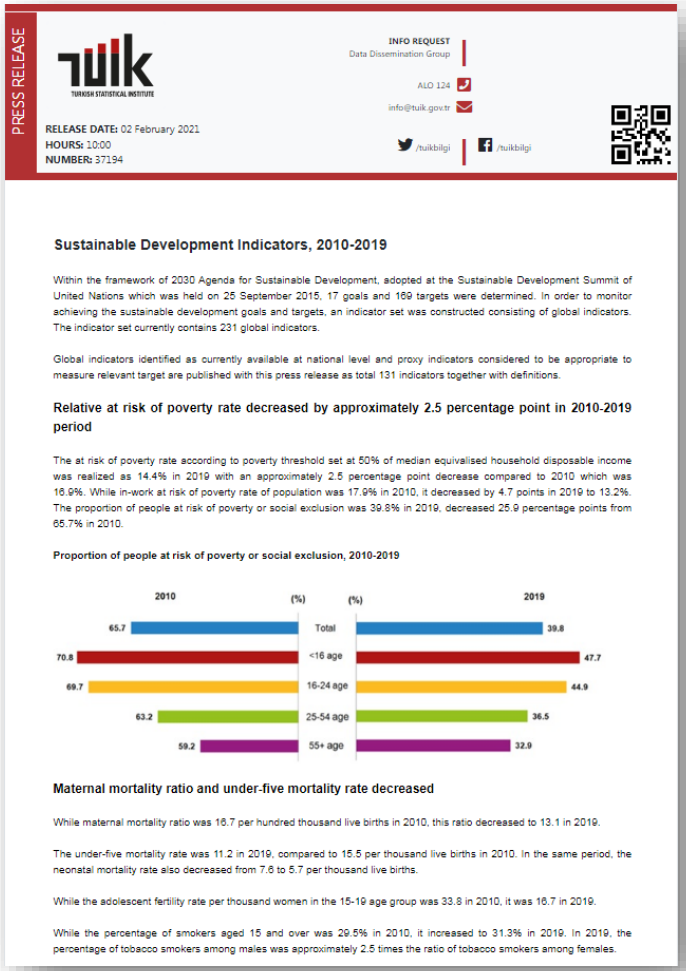
Sustainable Development Indicators

Press Release

- Published on February 2, 2021
- Total **131** Indicators
  - Compiled from **19 i**nstitutions including TURKSTAT
  - 110 of them are produced as "**global indicator**" and 31 of them are produced as "**proxy indicator**"



  - **5** out of **6** SDG 7 indicators are produced in this press release



PRESS RELEASE

TURKISH STATISTICAL INSTITUTE

RELEASE DATE: 02 February 2021
HOURS: 10:00
NUMBER: 37194

INFO REQUEST
Data Dissemination Group
ALO 124
info@tuik.gov.tr
/tuikbilgi
/tuikbilgi

Sustainable Development Indicators, 2010-2019

Within the framework of 2030 Agenda for Sustainable Development, adopted at the Sustainable Development Summit of United Nations which was held on 25 September 2015, 17 goals and 169 targets were determined. In order to monitor achieving the sustainable development goals and targets, an indicator set was constructed consisting of global indicators. The indicator set currently contains 231 global indicators.

Global indicators identified as currently available at national level and proxy indicators considered to be appropriate to measure relevant target are published with this press release as total 131 indicators together with definitions.

Relative at risk of poverty rate decreased by approximately 2.5 percentage point in 2010-2019 period

The at risk of poverty rate according to poverty threshold set at 50% of median equivalised household disposable income was realized as 14.4% in 2019 with an approximately 2.5 percentage point decrease compared to 2010 which was 16.9%. While in-work at risk of poverty rate of population was 17.9% in 2010, it decreased by 4.7 points in 2019 to 13.2%. The proportion of people at risk of poverty or social exclusion was 39.8% in 2019, decreased 25.9 percentage points from 65.7% in 2010.

Proportion of people at risk of poverty or social exclusion, 2010-2019

Maternal mortality ratio and under-five mortality rate decreased

While maternal mortality ratio was 16.7 per hundred thousand live births in 2010, this ratio decreased to 13.1 in 2019.

The under-five mortality rate was 11.2 in 2019, compared to 15.5 per thousand live births in 2010. In the same period, the neonatal mortality rate also decreased from 7.6 to 5.7 per thousand live births.

While the adolescent fertility rate per thousand women in the 15-19 age group was 33.8 in 2010, it was 16.7 in 2019.

While the percentage of smokers aged 15 and over was 29.5% in 2010, it increased to 31.3% in 2019. In 2019, the percentage of tobacco smokers among males was approximately 2.5 times the ratio of tobacco smokers among females.

Produced Indicators of SDG 7

Targets and indicators

7.1 By 2030, ensure universal access to affordable, reliable and modern energy services

- 7.1.1 Proportion of population with access to electricity — Reported online
- 7.1.2 Share of households that have natural gas subscription (%) — Reported online → Proxy indicator

7.2 By 2030, increase substantially the share of renewable energy in the global energy mix

- 7.2.1 Renewable energy share in the total final energy consumption — Reported online

7.3 By 2030, double the global rate of improvement in energy efficiency

- 7.3.1 Primary energy intensity — Reported online

7.a By 2030, enhance international cooperation to facilitate access to clean energy research and technology, including renewable energy, energy efficiency and advanced and cleaner fossil-fuel technology, and promote investment in energy infrastructure and clean energy technology

- 7.a.1 International financial flows to developing countries in support of clean energy research and development and renewable energy production, including in hybrid systems — Exploring data

7.b By 2030, expand infrastructure and upgrade technology for supplying modern and sustainable energy services for all in developing countries, in particular least developed countries, small island developing States and landlocked developing countries, in accordance with their respective programmes of support

- 7.b.1 Installed renewable energy-generating capacity — Reported online

SDG 7.2.1- Definiton

7.2.1. Renewable Energy Share in the Total Final Energy Consumption

Definition of Indicator: This indicator is the percentage of final consumption of energy in total energy consumption that is derived from renewable resources.

Renewable energy consumption includes consumption of energy derived from; hydro, bioenergy (biofuel and fuelwood), wind, solar, geothermal, renewable waste and other heat for Turkey.

(In metadata : marine (tide) is also included as a renewable energy.)

Net final energy consumption in the denominator is calculated from national energy balances by substracting total final non-energy consumption from total final consumption.

SDG 7.2.1- Data Source

7.2.1. Renewable Energy Share in the Total Final Energy Consumption

Data Source: Ministry of Energy and Natural Resources, **National Energy Balance Sheets**

- Published annually by the Ministry of Energy and Natural Resources
- First publication in T+11 and revision in T+14
- Stated in Official Statistics Programme
- Having detailed information on energy commodities as well as consumption in different sectors (industry, transport, households, etc.) especially after 2015

SDG 7.2.1- Computation

Energy Balance Table

(000 TEP)

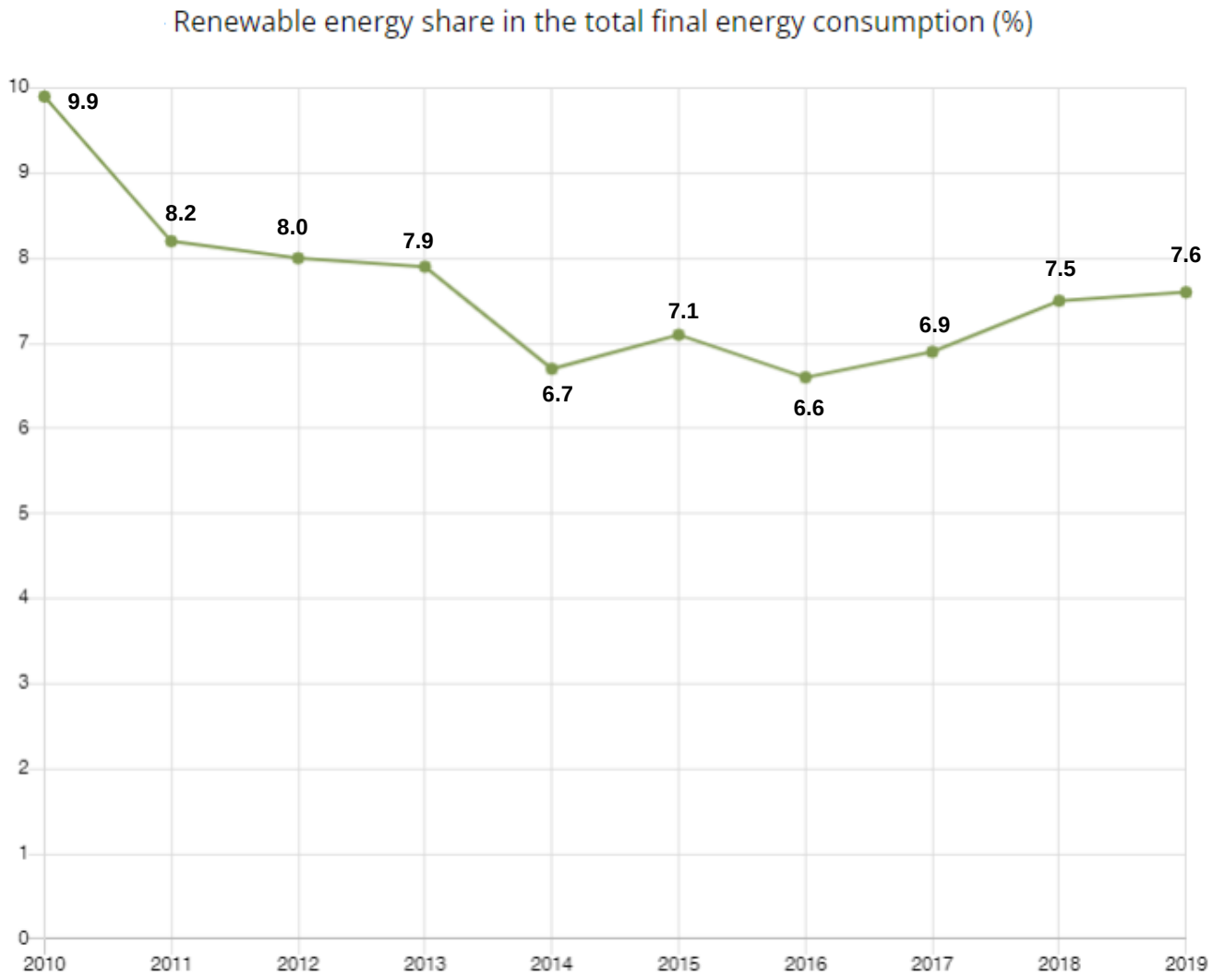
	Coal	Lignite	Asphaltite	Coke	Derived gases	Coal tar	Crude oil	Oil products	Natural gas	Electricity	Bioenergy and wastes	Hidrolic	Wind	Geothermal	Solar	Other heat	Total
Distrubituion of Energy Supply																	
Supply of Energy Products																	
Statistical difference																	
Transformation and Energy Sector																	
Total Final Energy Consumption											1	2	3	4	5	6	T
By Sectors																	
NACE B NACE C NACE F ... Transportation Other Sectors																	
Total Final Non-Energy Consumption																	7

Renewable energy share in total final energy consumption

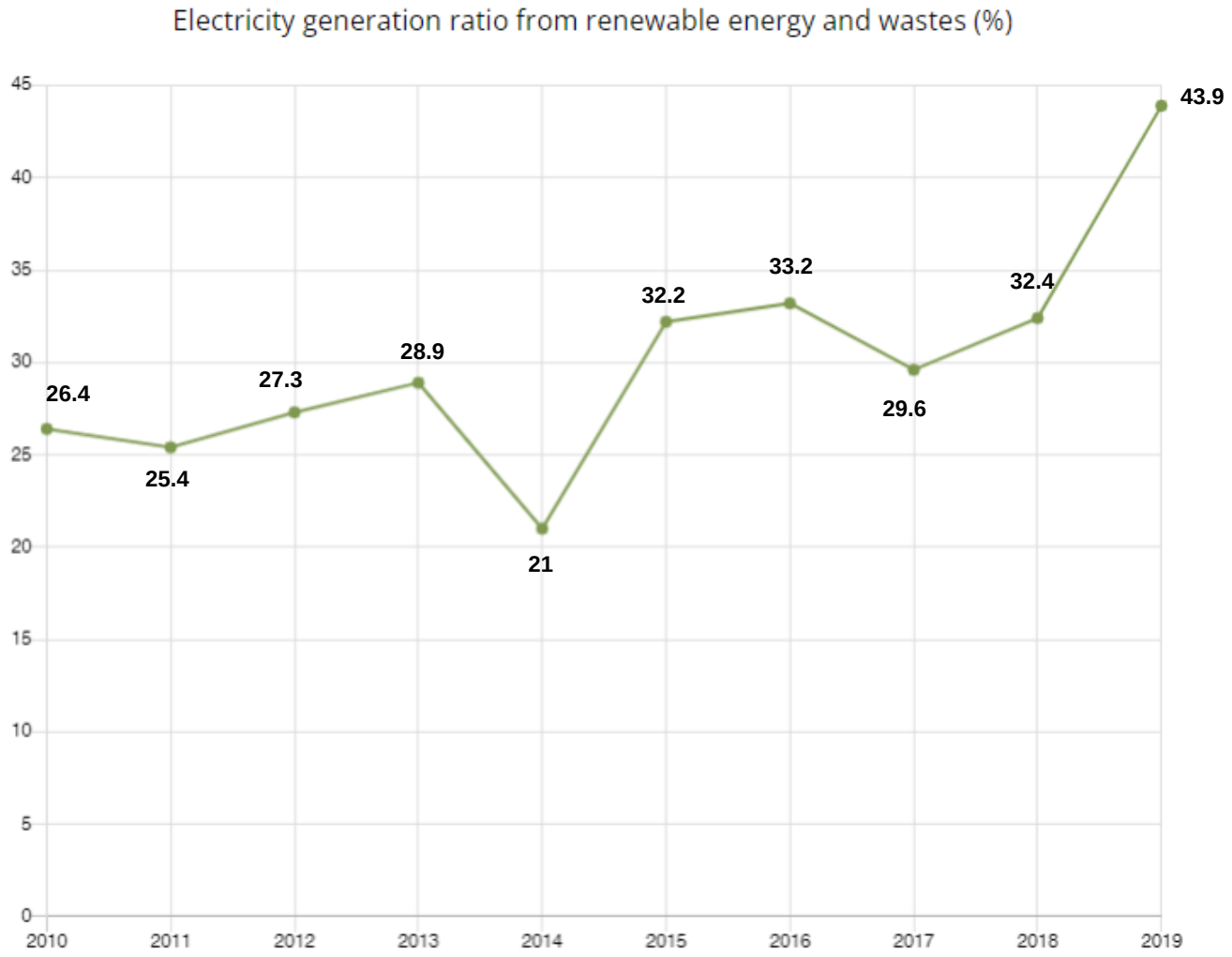
$$= \frac{\text{Consumption of energy derived from renewables}}{\text{Total final energy consumption} - \text{total final non} - \text{energy consumption}}$$

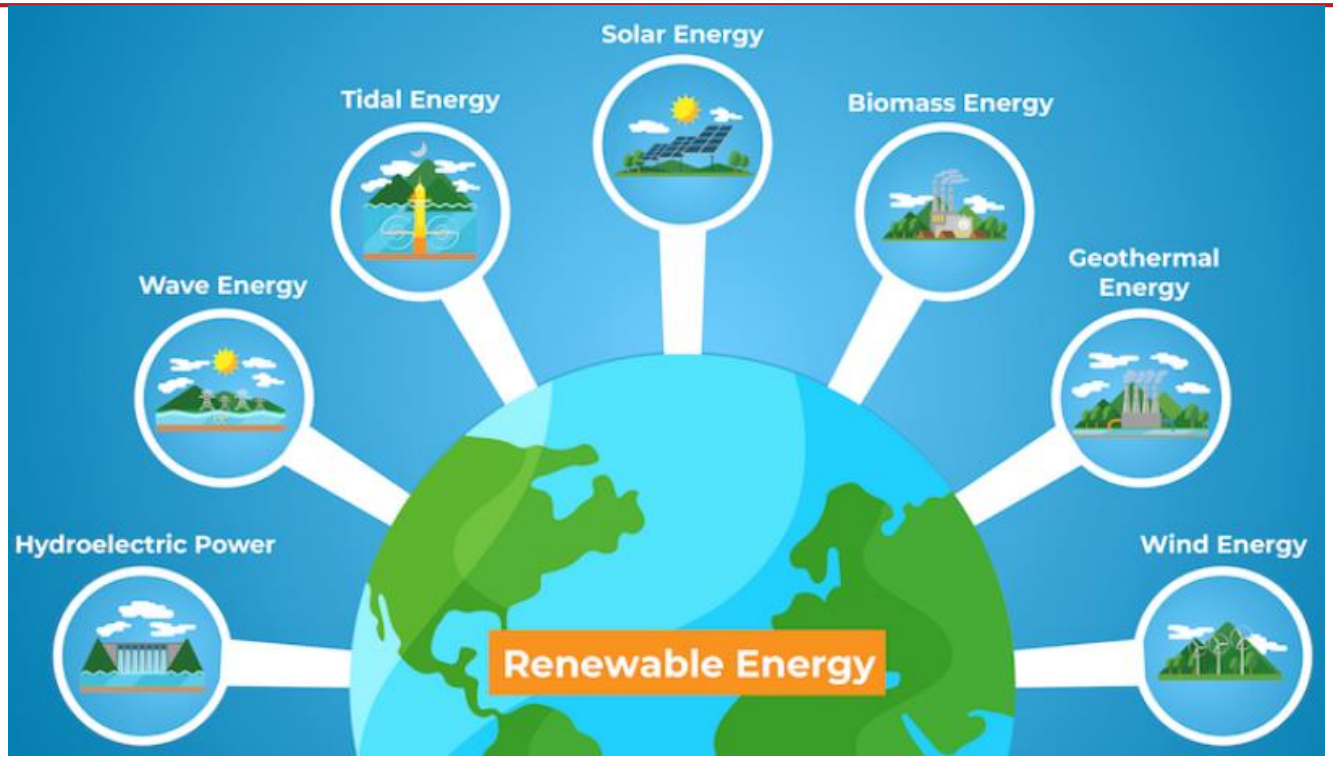
$$= \frac{1+2+3+4+5+6}{T-7}$$

SDG 7.2.1


Renewable energy share in the total final energy consumption (%)
10
9
8
7
6
5
4
3
2
1
0
9.9
8.2
8.0
7.9
6.7
7.1
6.6
6.9
7.5
7.6
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019

National Indicator Presented With SDG 7.2.1





Thank you…

hakan.yazicioglu@tuik.gov.tr