Session 3 – Goal 7: Ensure access to affordable, reliable, sustainable and modern energy for all

Progress on SDG 7 in North-East Asia

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

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

7.3 By 2030, double the global rate of improvement in energy efficiency
ENERGY INFORMATION FOR THE ASIA-PACIFIC REGION

200+ data sets
7,000+ power plants
3,000+ policy documents
Proportion of population with access to electricity in the World, Asia-Pacific, and ENEA countries in 2010-2020

% of total population

Source: World Bank Group
Total population without access to clean cooking in the World, Asia-Pacific and ENEA countries in 2010-2020

Million people

Source: World Health Organization
Modern renewable share of total final energy consumption in the World, Asia-Pacific, and ENEA countries, 2003-2018

Percentage
Installed renewable energy-generating capacity per capita in ENEA countries, 2001-2021

Kilowatts per capita
Installed renewable energy-generating capacity by resource in ENEA countries, 2001-2021

Megawatt

2021

- Wind: 335,309
- Solar: 399,466
- Marine: 260
- Hydropower: 452,376
- Geothermal: 481
- Bioenergy: 36,745

Source: IRENA
Electricity production by product in Asia-Pacific and ENEA, 2020

GWh

Asia-Pacific

14,700,975 GWh

- Coal: 52.7%
- Natural Gas: 15.7%
- Hydro: 14.9%
- Solar/Wind/Tide: 7.6%
- Biofuels and waste: 1.8%
- Oil: 1.3%
- Nuclear: 5.7%

ENEZA

9,426,432 GWh

- Coal: 59.0%
- Hydro: 14.8%
- Solar/Wind/Tide: 9.3%
- Nuclear: 6.0%
- Biofuels and waste: 1.9%
- Natural Gas: 8.3%
Primary energy intensity in the World, Asia-Pacific, and ENEA countries, 2009-2019

Kg of oil equivalent per 1,000 dollars GDP (2017 PPP)

2019

- East and North-East Asia: 135
- Asia and the Pacific: 127
- World: 112

Source: ESCAP based on the data from International Energy Agency (IEA).
CO₂ emissions by fuel source in selected ENEA countries, 2019

China
- Million tons of CO₂: 9,877

ROK
- Million tons of CO₂: 586

Russia
- Million tons of CO₂: 1,640

Japan
- Million tons of CO₂: 1,058

Mongolia
- Million tons of CO₂: 23

Source: ESCAP based on the data from International Energy Agency (IEA)
Asia-Pacific Energy Portal: asiapacificenergy.org
Largest Asia-Pacific energy knowledge platform
200+ data sets / 3000 + policy documents/ 7000 + power plants mapped

- Covers 58 economies
- Offered in two languages
- Open data in one-stop online shop for up-to-date energy statistics, policy documents and infrastructure
- Largest spatial database specializing in energy infrastructure in Asia-Pacific

Online hub for energy statistics, energy policies and energy infrastructure maps for 58 economies in Asia and the Pacific. The portal is open source, has a user-friendly interface and provides interactive data visualizations that help member States make data-driven decisions around SDG 7.
Thank you!