



Role of natural gas in the Asia-Pacific region

2nd Almaty Energy Forum

Session 4: Role of Natural Gas in Energy Transition in Central Asia

14 November 2022

Presented by:

Sergey Tulinov (tulinov@un.org)

Energy Division, UN ESCAP

What is UN ESCAP?





General Assembly

Distr.: General
6 January 2022

Seventy-sixth session

Agenda item 20 (j)

Sustainable development: ensuring access to affordable, reliable, sustainable and modern energy for all

Resolution adopted by the General Assembly on 17 December 2021

[on the report of the Second Committee (A/76/533/Add.9, para. 7)]

76/210. Ensuring access to affordable, reliable, sustainable and modern energy for all

8. *Recognizes* the key role that natural gas currently plays in many countries and its potential to expand significantly over the coming decades to meet demand in some countries as well as in new sectors, such as the transportation sector, supporting transitions towards lower-emission energy systems, and calls upon Governments to enhance energy security through the sharing of best practices and knowledge for the security of gas supply and demand;



Global Goals



SUSTAINABLE DEVELOPMENT GOAL 7

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

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

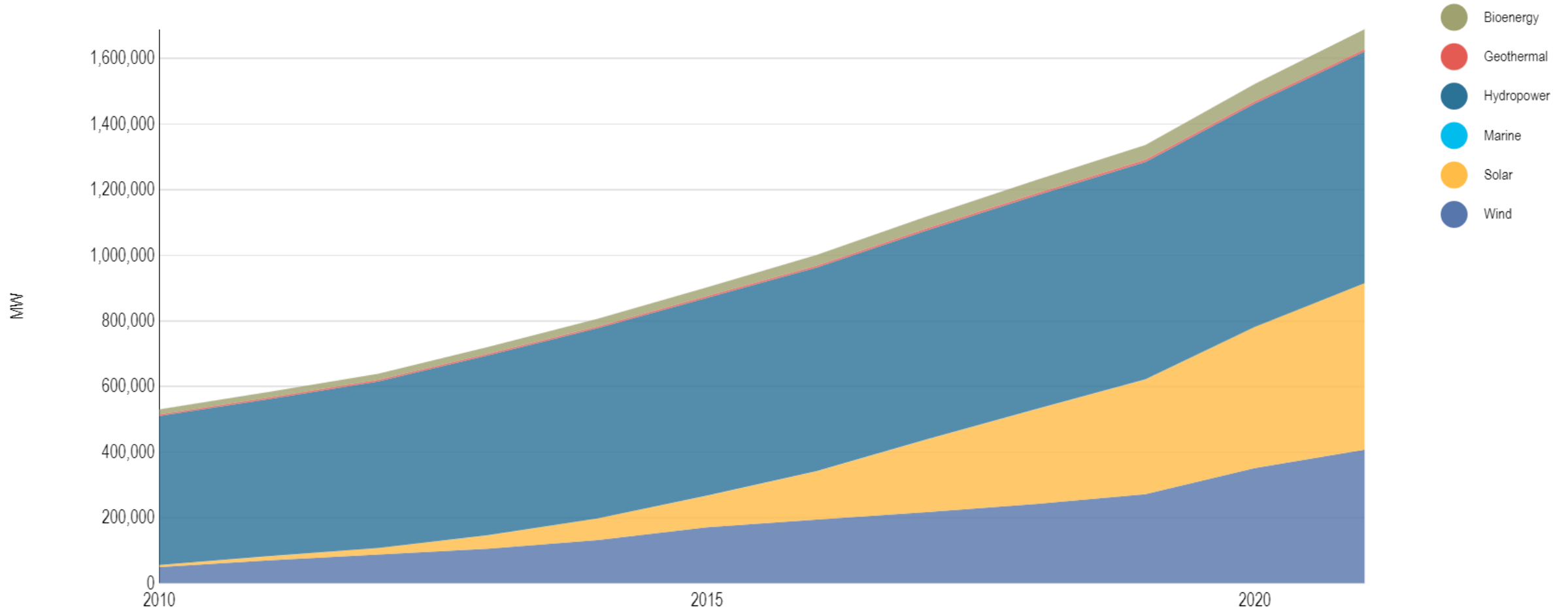
Target 7.3: By 2030, **double** the global rate of improvement in **energy efficiency**



PARIS CLIMATE AGREEMENT

The goal is to **limit global warming to well below 2, preferably to 1.5 degrees Celsius**, compared to pre-industrial levels.

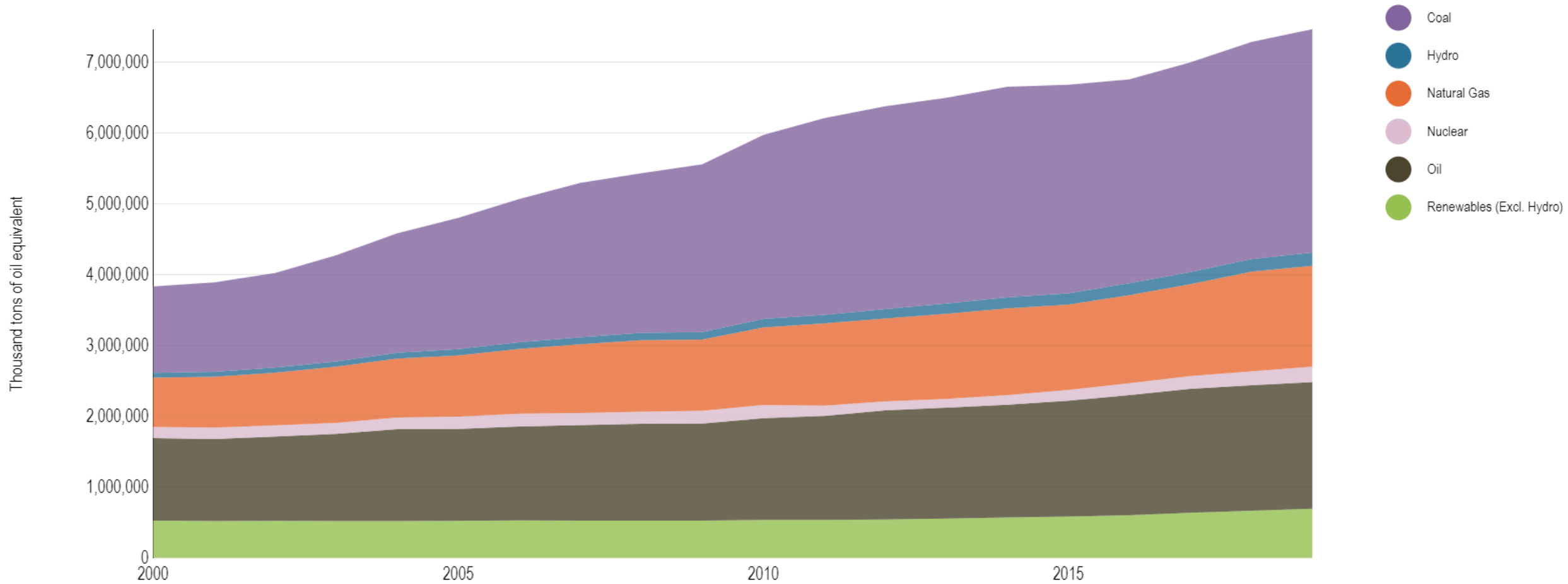
Renewable Energy Installed Capacity by Resource in Asia and the Pacific, 2010-2021



Source: ESCAP, based on IRENA

Chart generated from Asia Pacific Energy Portal (asiapacificenergy.org)

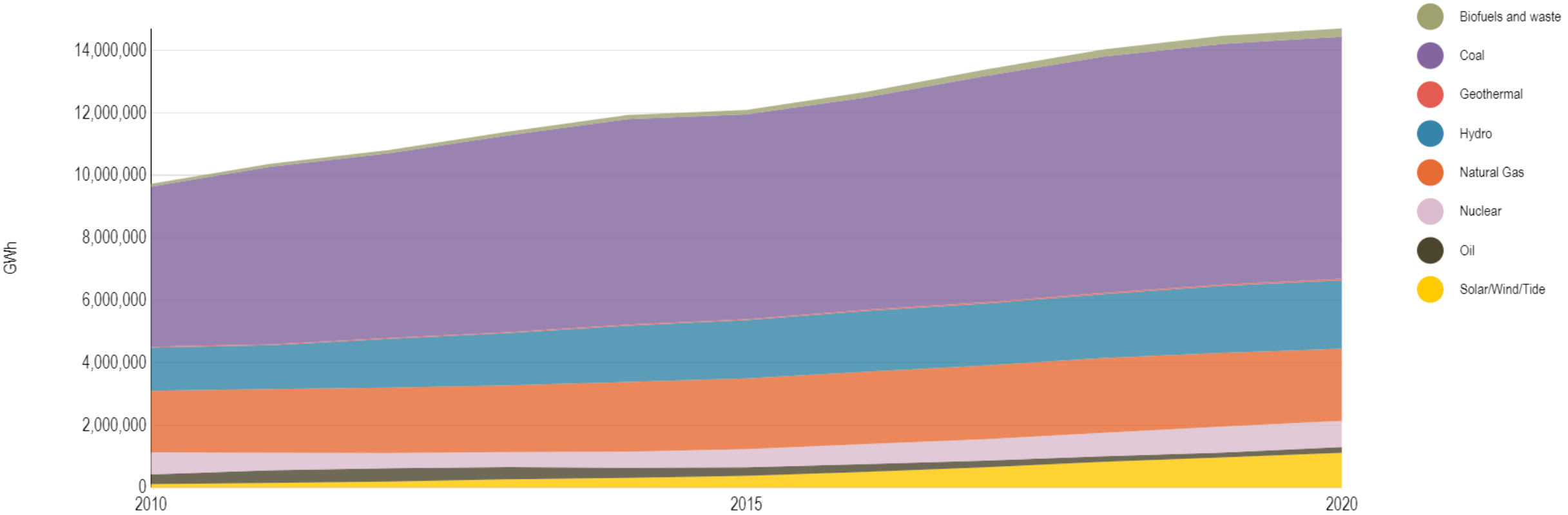
Energy Supply by Product in Asia and the Pacific, 2000-2019



Source: International Energy Agency (IEA), World Energy Statistics and Balances

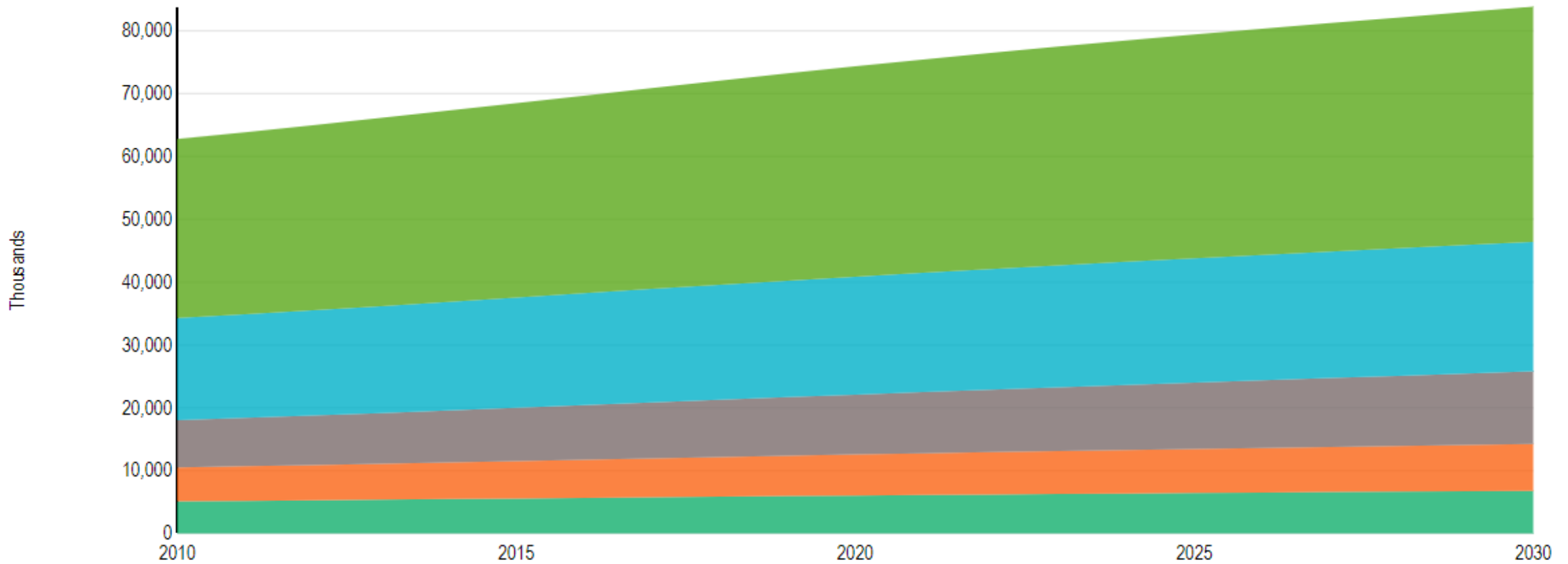
Chart generated from Asia Pacific Energy Portal (asiapacificenergy.org)

Electricity Production by Product in Asia and the Pacific, 2010-2020



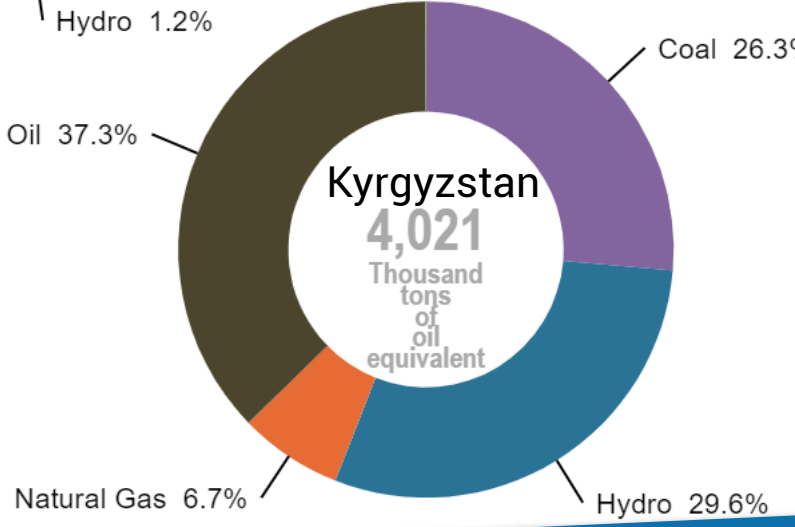
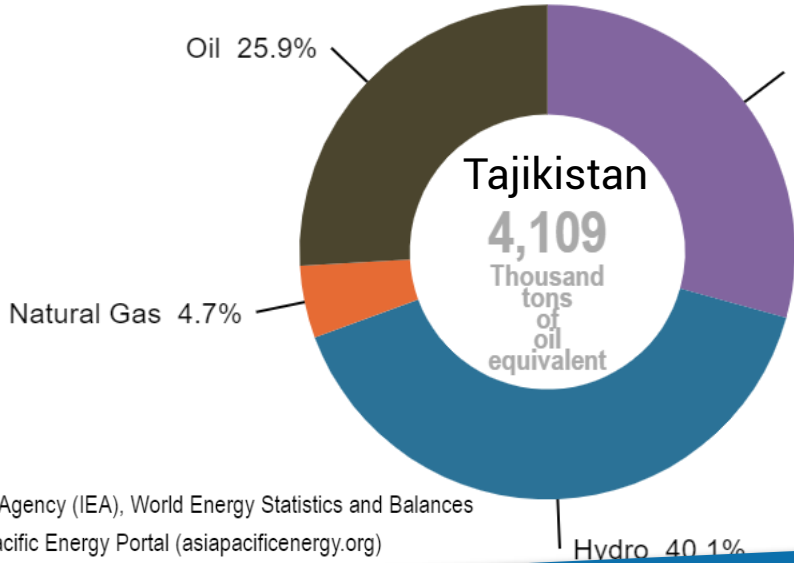
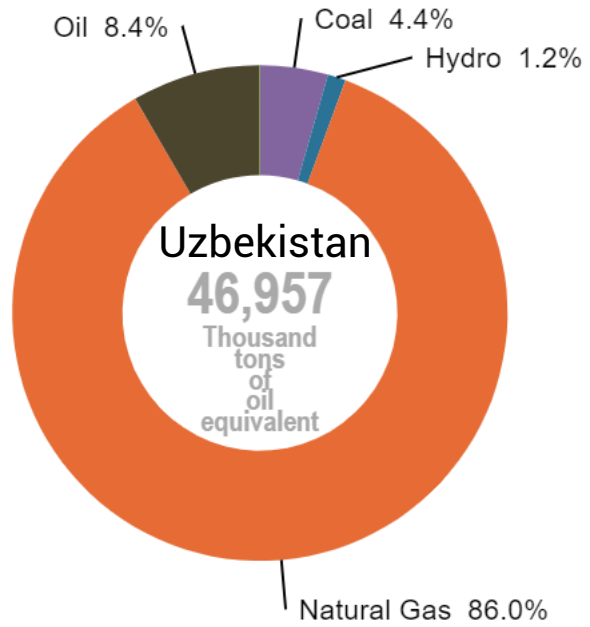
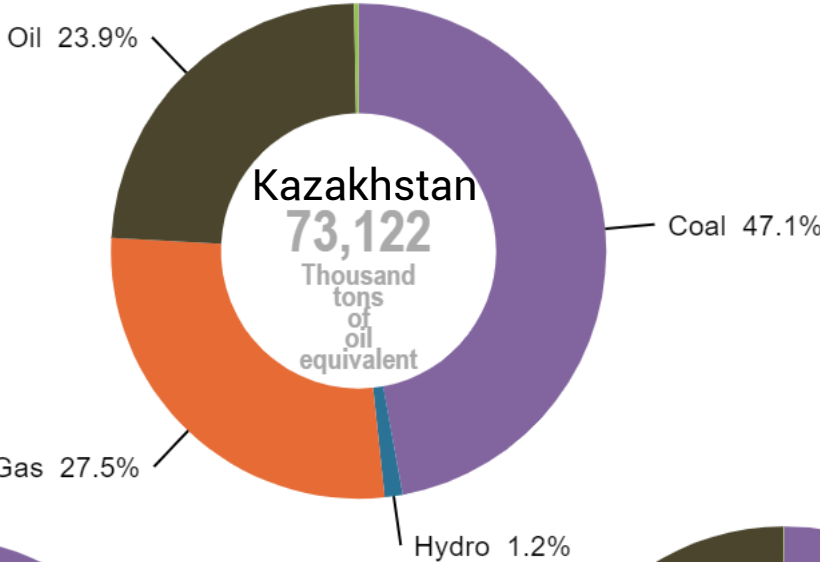
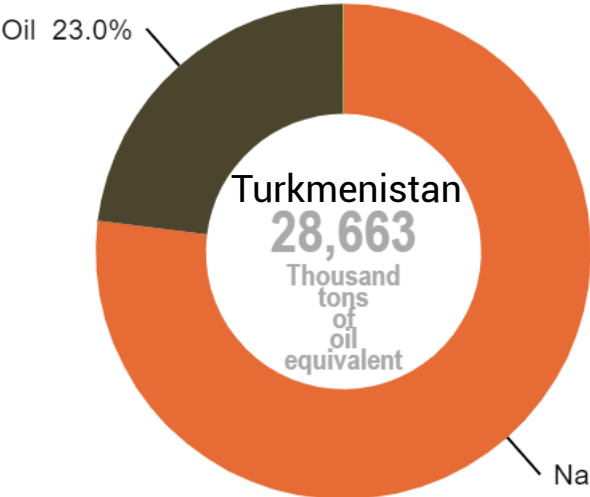
Source: International Energy Agency (IEA), World Energy Statistics and Balances
 Chart generated from Asia Pacific Energy Portal (asiapacificenergy.org)

Population size and prospects in Central Asia, 2010 - 2030



Source : United Nations, World Population Prospects

Energy supply by product in Central Asia, 2019

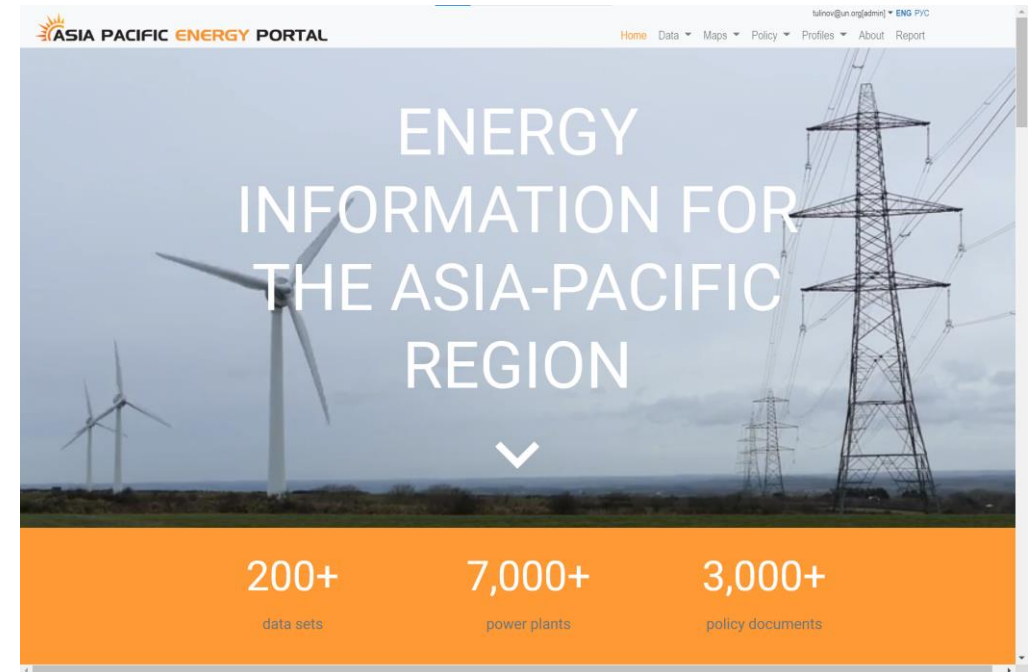


Source: International Energy Agency (IEA), World Energy Statistics and Balances
Chart generated from Asia Pacific Energy Portal (asiapacificenergy.org)

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



Source: International Energy Agency (IEA), World Energy Statistics and Balances

Chart generated from Asia Pacific Energy Portal (asiapacificenergy.org)