

## CENTRE FOR GLOBAL COOPERATION

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## 24 COUNTRY COOPERATIONS ON GREEN TRANSITION

At the Danish Energy Agency, we share best practice from decades of green transition in Denmark through government-to-government cooperation with 24 partner countries. The purpose is to accelerate global reductions of CO<sub>2</sub> emissions.

Denmark emits 0.1 per cent of the world's CO<sub>2</sub> emissions. Therefore, our national climate efforts cannot stand alone if we want to address global climate change. By having close partnerships with 24 key partner countries, which collectively emit 70 per cent of the world's CO<sub>2</sub> emissions, we can amplify our impact on global CO<sub>2</sub> emission reductions.

Based on decades of green transition of the Danish energy sector, we support an acceleration of the global transition towards low carbon energy in our partner countries. Together, we identify green paths where our partner countries can maintain economic growth and a high security of electricity supply 24/7. We strengthen the capacity of central partner institutions through sharing of Danish experiences, know-how, technical solutions and regulatory frameworks.

In this way, policy makers are empowered to make sustainable and cost-effective energy policy decisions that support a sustainable global transition in their country, thereby also expanding global markets for clean energy technology.

### Sharing and exchanging 40 years of know-how and experience

In Denmark, we possess unique know-how and expertise, acquired over many years of experiences within green transition. From depending entirely on imported fossil fuels, we now have almost 70 per cent share of electricity from renewables while maintaining a world record security of electricity supply at 99.996 per cent.

A green transition of the energy sector is not only a transition towards a more sustainable energy supply, it is also a transition towards greater energy security and independence of importing fossil fuels.

Five key areas have been important for the Danish energy transition and today, they contribute to building a strong foundation for green transition in our partner countries. These are:

- Long-term energy modelling and scenarios
- Integration of renewable energy
- Wind power – offshore and onshore
- Energy efficiency in industry and buildings
- District heating

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The Danish transmission system operator, Energinet, is a close partner in several of the partnerships, as well as the Danish embassies, which play a vital role locally.

### Acquiring knowledge that can support Denmark's emission reduction target

Our partners also have valuable experiences developing new green solutions which we in Denmark can learn from. Experiences that can be applied to help fulfill Denmark's ambition of a 70 per cent reduction in greenhouse gas emissions by 2030.

Thus, we acquire knowledge and experience through our country cooperations in areas such as Power-to-X, energy efficiency, geothermal energy and carbon capture and storage.

The 24 partnerships include:

- China
- The United States
- India
- South Africa
- Mexico
- Indonesia
- Vietnam
- South Korea
- Japan
- Kenya
- Ukraine
- The United Kingdom
- Germany
- Egypt
- The Netherlands
- Turkey
- Ethiopia
- France
- Poland
- Latvia
- Estonia
- Lithuania
- Brazil
- Colombia

In addition, short-term international collaboration have been established with Pakistan through the *Danish Energy Transition Initiative*.