

SCoPA: COP26 Resources

➤ **UN Climate Change Links Related to Energy**

<https://unstats.un.org/unsd/energystats/data/>

UNSD maintains the Energy Statistics Database, which provides annual statistics on production, trade, transformation and consumption (end-use) for solid, liquid, and gaseous fuels, electricity, and heat. The database contains data in their original units (e.g. metric tonnes, GWh) as well as calorific values to allow interfuel comparison in a common energy unit (terajoules). The Energy Statistics Database contains basic statistics for more than 230 countries/territories from 1950 year onwards and is updated annually.

<https://www.unece.org/energywelcome/quick-links/un-energy.html>

[UN-Energy](https://www.unece.org/energywelcome/quick-links/un-energy.html) was initiated as a mechanism to promote coherence within the United Nations family of organizations in the energy field and to develop increased collective engagement between the United Nations and other key external stakeholders. Its envisaged role was to increase the sharing of information, encourage and facilitate joint programming and develop action-oriented approaches to coordination.

<https://www.unece.org/energywelcome/areas-of-work/energy-efficiency/activities/energy-efficiency-in-buildings.html>

UNECE promotes development and dissemination of international standards in energy efficiency, and specifically, the Geneva UN Charter on Sustainable Housing and the UNECE Framework Guidelines for Energy Efficiency Standards in Buildings. The International Centres of Excellence on High Performance Buildings will be a knowledge-sharing framework among progressive cities to provide on-the-ground implementation assistance for building owners and developers, architects, engineers, contractors and planning officials.

<https://www.unece.org/energy/se/com.html>

The Committee on Sustainable Energy is an intergovernmental body that provides member States with a platform for international dialogue and cooperation. It is mandated to carry out a programme of work in the field of sustainable energy with a view to providing access to affordable and clean energy to all, in line with the "Sustainable Energy for All" initiative of the Secretary-General, and to help reduce greenhouse gas emissions and the carbon footprint of the energy sector.

<https://www.unece.org/energywelcome/areas-of-work/energy-efficiency/activities/energy-efficiency-in-industry-sector.html>

UNECE provides industry with a clear and understandable overview of non-governmental and intergovernmental energy efficiency initiatives in order to help companies decide which are most suited to help them pursue energy efficiency on their own accord for business reasons.

https://www.unece.org/fileadmin/DAM/RCM_Website/Case_Study_SDG_7_2_Ukraine.pdf

The government of Ukraine launched the State Program on Energy Efficiency in 2016. The program foresees loans to finance the costs for a variety of energy efficient materials and equipment. The plan was developed in line with the EU Directive 2006/32 and Ukraine's obligations as a member of the Energy Community. The goal of the Plan is to reduce final energy consumption by 9 percent.

https://www.unece.org/fileadmin/DAM/RCM_Website/Case_Study_SDG_7_1_Serbia.pdf

In order to achieve its international obligations and strategic goals through support for implementation of energy efficiency investments, Republic of Serbia has established Budgetary Fund for Energy Efficiency (BFEE). Due to the small annual budget, at this stage, BFEE has mainly demonstration and awareness rising effect, however its operation clearly indicates that with properly set technical requirements savings of 40%

may be achieved. Operation of such facility has to be constantly improving in order to achieve best possible results.

https://www.unece.org/fileadmin/DAM/RCM_Website/Case_Study_SDG_7_1_Macedonia.pdf

Raising awareness for energy consumption through a marketing campaign "Energy Mathematics"

https://www.unece.org/fileadmin/DAM/RCM_Website/Case_Study_SDG7_1_Germany.pdf

Applying industrial waste heat to supply new city district in Hamburg, Germany

<https://www.unece.org/energy/pathwaystose.html>

Project on the "Role of Natural Gas in Achieving 2030 Agenda for Sustainable Development and the Paris Agreement"

The objective of the project is to improve the understanding of the UNECE member States on the role of natural gas in achieving 2030 Agenda for Sustainable Development and the Paris Climate Agreement.

<https://www.unece.org/energy/gas.html>

The **Group of Experts on Gas** helps UNECE member States deliver on key political commitments, such as the 2030 Agenda for Sustainable Development and the Paris Agreement on climate change.

<https://www.unece.org/energy/cmm.html>

The Group of Experts on Coal Mine Methane (CMM) is a subsidiary body of the Committee on Sustainable Energy (CSE) that promotes the reduction of greenhouse gas emissions from coal mines. Its activities on recovery and use of methane reduce the risks of explosions in coal mines. The principal activity of the Group of Experts on CMM

is development and dissemination of the Best Practice Guidance for Effective Methane Drainage and Recovery in Coal Mines

<https://www.unece.org/energywelcome/areas-of-work/methane-management/methane-management.html>

Managing methane is both a challenge and an opportunity for delivering on the Paris Agreement and attaining the Sustainable Development Goals. There is neither a common technological approach to monitoring and recording methane emissions, nor a standard method for reporting them. Determined to change this situation, UNECE partnered up with various prominent institutions and experts operating in the relevant industries to undertake the work on identifying and consolidating best practices in these fields.

➤ **Climate Change and Education**

Education is key to addressing climate change

<https://www.un.org/en/climatechange/education-key-climate-change.shtml>

UNESCO OFFICE IN SANTIAGO

<http://www.unesco.org/new/en/santiago/education/education-for-sustainable-development/education-on-climate-change/>

Facts About Climate Change

<https://www.unenvironment.org/explore-topics/climate-change/facts-about-climate-emergency>

Playing for Climate Change

https://gridarendal-website-live.s3.amazonaws.com/production/documents/:s_document/506/original/gamingpub2019.pdf?1569241220

More about playing for climate change

<https://www.unenvironment.org/resources/report/global-environment-outlook-youth-africa>

➤ **Deforestation:**

5 things you need to know about forests and the UN:

<https://news.un.org/en/story/2019/05/1038291>

Two main approaches that can be used to aide the fight towards Deforestation can found here:

<https://www.unenvironment.org/news-and-stories/story/towards-zero-deforestation>

How the UNDP is helping reduce Deforestation:

<https://www.undp.org/content/undp/en/home/2030-agenda-for-sustainable-development/planet/environment-and-natural-capital/biodiversity-and-ecosystems-management/resilient-forests.html>

The Sustainable Development Goal for Deforestation:

<https://www.un.org/sustainabledevelopment/biodiversity/>

National Geographic on Deforestation:

<https://www.nationalgeographic.com/environment/global-warming/deforestation/>

Read about the United Nations Collaborative Programme Reducing Emissions from Deforestation and Forest Degradation:

<https://www.un-redd.org/>

➤ **Transportation**

Good overview of UN backed ideas and documents.

http://www.unece.org/trans/theme_global_warm.html

Good list of ideas.

<https://science.howstuffworks.com/environmental/green-science/10-ideas-green-transportation.htm>

Lot of good options and the benefits of green transportation.

<https://www.conserve-energy-future.com/modes-and-benefits-of-green-transportation.php>

Details about electric cars and electric planes.

<https://www.fiaformulae.com/>

All electric racing championship.

Tesla Model 3, most sold.

<https://www.cnet.com/roadshow/news/tesla-model-3-efficient-electric-car-hyundai-ioniq/>

Why battery technology has some issues.

<https://www.theverge.com/2019/11/6/20951807/electric-vehicles-battery-recycling>

Just really cool honestly.

<https://techcrunch.com/2019/11/05/ford-built-an-electric-mustang-with-a-manual-transmission-and-were-mad/>

Fast charge technology

<https://techcrunch.com/2019/11/05/ford-built-an-electric-mustang-with-a-manual-transmission-and-were-mad/>

Electric planes

<https://www.cnn.com/travel/article/electric-aircraft/index.html>

Dawn of electric aircraft

<https://www.theatlantic.com/sponsored/thomson-reuters-why-2025-matters/electric-flight/208/>

More electric aircraft

<https://www.bbc.com/news/business-48630656>

➤ **Agriculture:**

Agriculture and its impact on the future of humanity

<https://www.unglobalcompact.org/what-is-gc/our-work/environment/food-agriculture>

New solutions to improve agriculture

<http://www.fao.org/home/en/>

Sustainable Development Goals that relate to agriculture

<http://www.fao.org/sustainable-development-goals/indicators/en/>

Climate change and Agriculture

<http://www.fao.org/climate-change/our-work/what-we-do/en/>

Strategies to improve agriculture

<http://www.fao.org/climate-change/our-work/what-we-do/climate-change-strategy/en/>

Climate change and ways to improve agriculture

<http://www.fao.org/climate-change/our-work/what-we-do/en/>

Oceans and climate change

<http://www.fao.org/in-action/commonoceans/background/en/>

Agriculture in Africa

<https://news.un.org/en/story/2016/09/538022-un-agriculture-chief-stresses-role-healthy-oceans-drivers-africas-prosperity>