



47th International Technical Conference on Clean Energy

24 July 2023

Clearwater, Florida, USA



ENERGY



UNECE Group of Experts on Coal Mine Methane and Just Transition;

Mandate, Activities, Goals, and Achievements

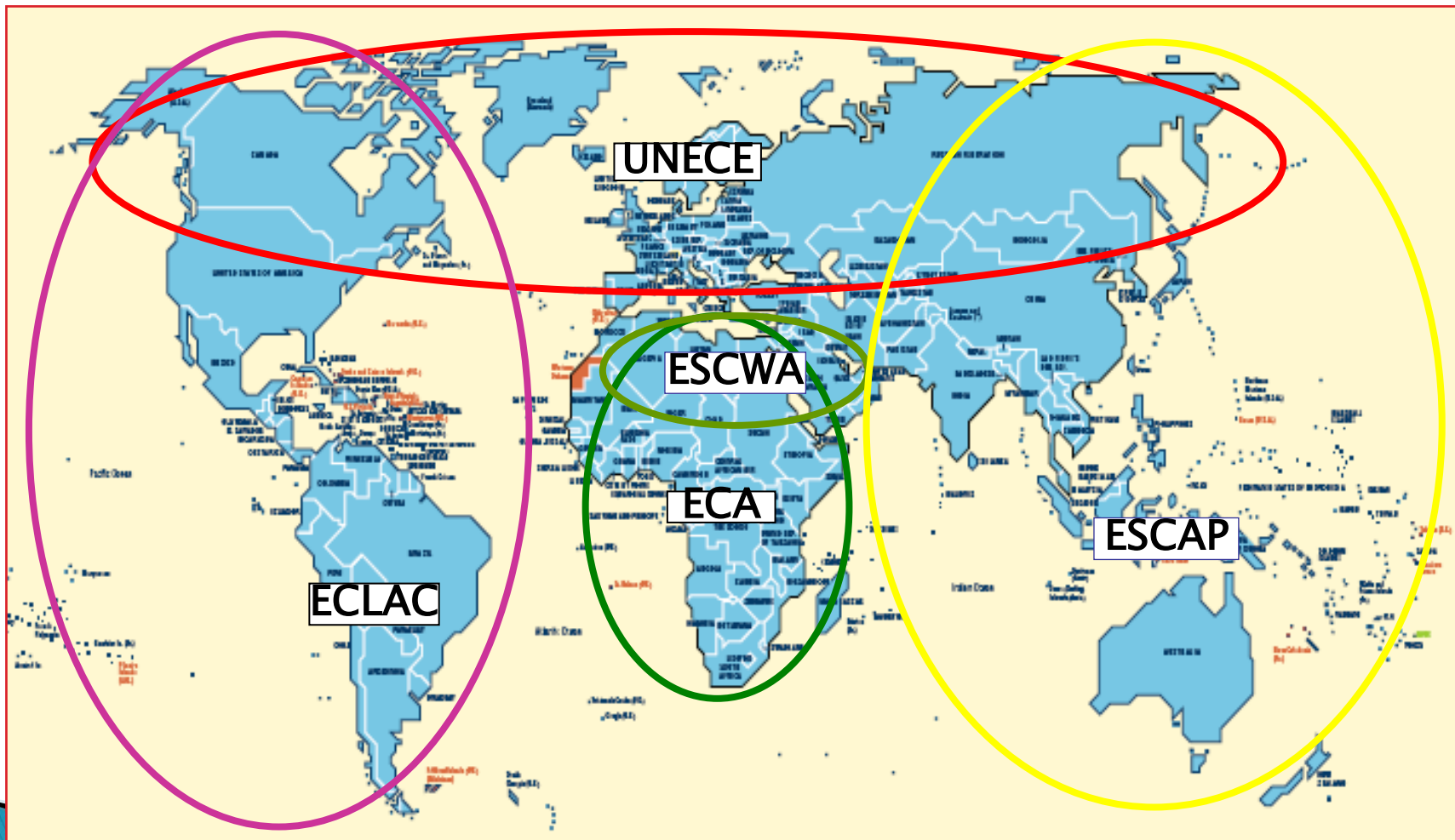


Raymond Pilcher, Chair
Michal Drabik, Secretary



United Nations Regional Commissions

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- Set up in **1947** by ECOSOC
- Brings together **56 countries** located in the European Union; non-EU Western, Eastern, and South-East Europe; Commonwealth of Independent States (CIS) and North America
- However, **all interested United Nations member States** may participate in the work of UNECE
- In addition, over 70 **international** professional organizations and other **non-governmental organizations** take part in UNECE activities



- 56 countries in N.A, Europe, FSU, Central Asia, Israel and Turkey
- Produces 40% of the world's energy, consumes 45%
- Home to important energy industries
- Produce nearly 50% of the global economic output
- Fossil fuels are 60% of primary fuel in the UNECE region
- UNECE region accounts for half of global emissions
- The region is diverse: comprised of high and low income countries, countries that are energy rich and energy poor and countries that are in economic transition

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- Its aim is to **promote pan-European economic integration**
- It is a **platform for dialogue** on economic and sectoral issues
- It **facilitates greater economic integration and cooperation** among its member countries and promotes sustainable development and economic prosperity through:
 - policy dialogue
 - negotiation of international legal instruments
 - development of regulations and norms
 - exchange and application of best practices
 - technical cooperation



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SUSTAINABLE DEVELOPMENT GOALS



➤ 17 SDGs, agreed by UN GA in 2015, are the **principal framework for the UNECE's work** in sustainable energy.



- SDG 7 is about providing sustainable energy to the world.
- UNECE focuses on ‘energy for sustainable development’ because energy is a golden thread that underpins all SDGs.



Committee on Sustainable Energy

- Develops **normative instruments** (best practices, standards) that **facilitate cooperation** and **enables** needed **investments**.
- Provides countries with a platform for a **dialogue on energy-related matters**.
- **Leads and oversees** SED's work on implementation of the UN Sustainable Development Goals.

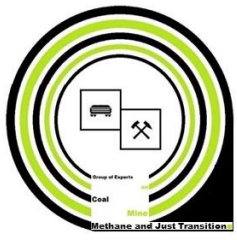


Committee on Sustainable Energy

➤ Six subsidiary bodies (Groups of Experts on):

- Energy Efficiency
- Renewable Energy
- Resource Management
- Cleaner Electricity Systems
- Natural Gas
- **Coal Mine Methane and Just Transition**

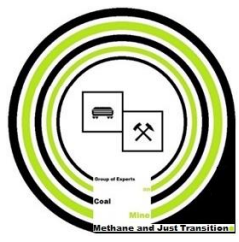




- Established in **2004**
- Network of almost **500 experts** from most coal mining countries
- Experts are professionals trained and practicing many disciplines — we are:
 - scientists,
 - engineers,
 - economists,
 - miners,
 - lawyers,
 - government officers,
 - members of NGOs,
 - politicians,
 - equipment manufacturers,
 - ...
 - from the Member States of the United Nations

➤ **Collaboration** between governments and the private sector is a driving force of our activities. Leading experts come from both the **public and private sector**. They are at the forefront of the “best practices movement”.

➤ **Inclusiveness, dialogue, exchange, cooperation.**



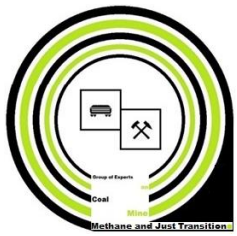
Group of Experts on CMM & JT Mandate



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- To promote efficient transition of industries along the coal value chain ensuring the reduction of associated greenhouse gas emissions and social equity of the process through substantive, results-oriented activities that may help the recovery and use of methane in order to reduce the risks of explosions in coal mines; mitigate climate change; and support sustainable development, and that may support communities, local economies and the environment in the just transition process.

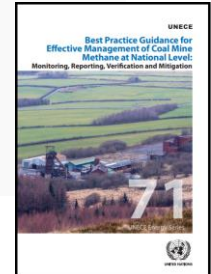
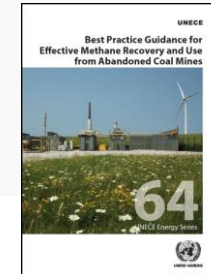
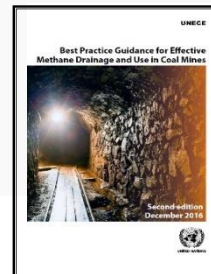
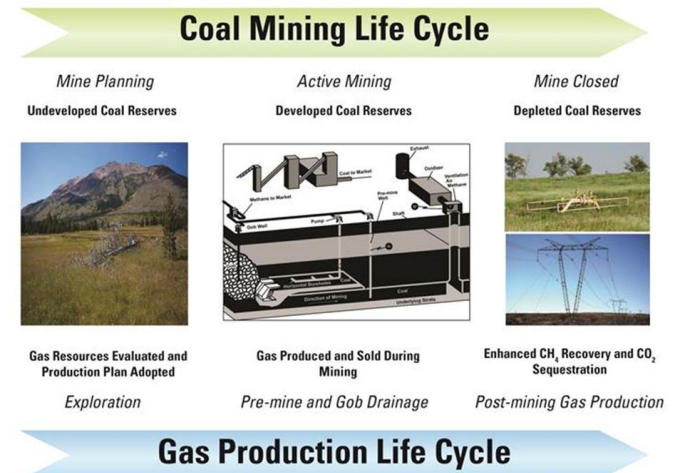


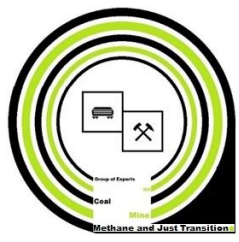
Group of Experts on CMM & JT Overview

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- Rests on **4 pillars**:
 - Environment, Economy, Working Safety, and Social Justice.
- Has **3 Task Forces**:
 - Safe Operations and Closure of Mines
 - Methane Emissions Reduction
 - Transition of the Coal Sector
- **Focuses** on:
 - the **whole**: coal value chain and mine life cycle.
- Developed **3 Best Practice Guidance** documents:
 - On (1) **active** and (2) **abandoned mines**, and on (3) **MRV**.





Group of Experts on CMM & JT

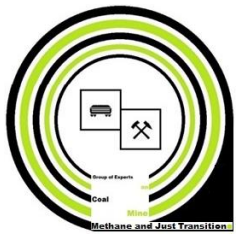
Best Practice Guidances



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- The documents present recommended principles on CMM capture and use, thus providing decision-makers with a **base of understanding** from which **to direct policy and commercial decisions**.
- They do **not replace** or supersede **laws** and regulations.
- They are **principle based** and can be adapted to varying mining conditions.
- Provide industry with a **standard set of recommended principles and best practices** for methane recovery and utilisation.
- ECOSOC invited UN Member States, International Organizations, and the Regional Commissions to take measures to ensure the application of BPG on CMM and AMM in countries **worldwide**



Group of Experts on CMM & JT

International Centres of Excellence on CMM

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- Operate **under the auspices of the Group of Experts** and in partnership with local specialized entities;
- Members and their institutions and companies are **repositories of knowledge**;
- **Promote best practices** developed by the Group;
- **Facilitate international communication and cooperation** in the field of CMM;
- **Identify new good practices.**



ICE-CMM
卓越瓦斯



Operating under auspices of the UNECE Group
of Experts on Coal Mine Methane



Group of Experts on CMM & JT

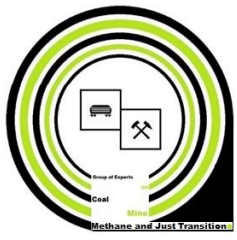
Just Transition

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- **B. Transition** (land repurposing, just transition)
 - **Modernization cannot be avoided** or delayed.
 - It is in **states' best interest** to undertake the process in the most efficient and cost-effective manner.
 - UNECE develops **tools to facilitate an effective transition to low-carbon energy and green economy.**
 - Importance of the **social and cultural dimensions**, which are necessary components ensuring sustainability of the results
 - Objective to help member States to plan and implement **transition of their coal mining regions.**
 - Development of a **project** - Modernization of the Coal Mining Regions: Clean Environment, Innovative Economy, Just Society, Better Life
 - Phase I: **mapping** readiness for just transition in coal mining areas
 - Phase II: a **plan for modernization** of legacy industry regions by reorienting them towards modern technologies and more efficient use of available resources.
 - Phase III: a robust and flexible **business model** for efficient industrial site's transition, replicable in other industrial sites in like countries or regions.





Group of Experts on CMM & JT

Recent, Current, and Planned Activities

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➤ Current work

- Study on **dynamics of coal demand** in Tajikistan until 2050 and on alternative sources of energy in the country
- Study on a **just transition** aspect of the planned reconstruction of Ukraine
- Study on **mine closure** in Albania and Serbia
- **Mapping** readiness for repurposing and just transition of the Albanian post-coal mining areas
- The check list for just transition, **mapping the just transition** efforts worldwide and **identifying the issues** on which should be focused on while engaging in the process of transformation
- **Methane Mondays** online series
- **Just Transition Tuesdays** online series



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<http://www.unece.org/energy/se/cmm.html>