

UNECE Energy Week 2020

Closing Session 25 September 2020

Featuring UNECE Groups of Experts on Energy Efficiency, on Coal Mine Methane, on Gas, on Resource Management and on Renewable Energy

PLEASE STANDBY FOR SESSION TO START

Please mute your microphone

Geneva & Virtual, 22-25 September 2020



UNECE Energy Week 2020

Closing Session 25 September 2020

Welcome

Scott FOSTER
Director, UNECE Sustainable
Energy Division

Geneva & Virtual, 22-25 September 2020



JNECE

Group of Experts on Energy Efficiency

Seventh session

25 September 2020

Agenda item 10

Adoption of the report and close of the meeting



Documentation:

ECE/ENERGY/GE.6/2020/2 – Draft Report of the Group of Experts on Energy Efficiency on its seventh session available in English, French (unofficial) and Russian (unofficial)

Mr. Aleksandar DUKOVSKI

Chair of the Group of Experts on Energy Efficiency



NECE

THANK YOU

Group of Experts on Energy Efficiency

Seventh session

End of the session

25 September 2020



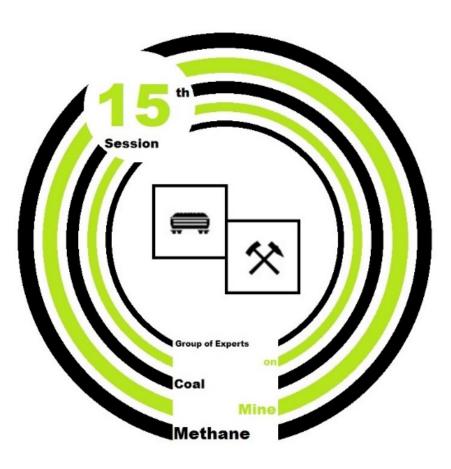
11th Annual Session of the Expert Group on Resource Management

Closing Session

11th Session of the Expert Group on Resource Management 22 - 25 September 2020



Closing Session 25 September 2020



15th Session Group of Experts on Coal Mine Methane (CMM-15)

Closing Session 25 September 2020

Item 7: Preparations for the sixteenth session of the Group of Experts



16th Session

The sixteenth session is to be held on **22-23 March 2021** in **Geneva**

Documentation



Official

• ECE/ENERGY/GE.4/2020/2 Report from the fifteenth session

Room Document

Recommendations

Available here:

https://www.unece.org/index.php?id=53263



Item 9: Adoption of conclusions and recommendations CMM-15/2020/INF.1

Item 9: Adoption of conclusions and recommendations



New Article

8. The Group of Experts decided that the work plan for 2022-2023, which is to be discussed at the upcoming 16th session, should include the task of developing a concept (strategy) for the effective dissemination and promotion of best practices for degassing, capturing and using methane from operating and abandoned coal mines. The Strategy shall involve an active role of the established International Centers of Excellence, and consider development of an online repository of best practices allowing for a quick access to them

Item 9: Adoption of conclusions and recommendations



Amended Paragraph

The Group of Experts urged the secretariat in cooperation with the Bureau to develop a resourcing strategy and list of potential donors in order to identify extrabudgetary resources necessary for continuation of the effective work of the Group on dissemination and promotion of best practices in methane capture and use from active and closed coal mines. The Group thanked the International Centre of Excellence on Coal Mine Methane (ICE-CMM) in Poland for providing funds for implementation of the project "Strengthening national capacity of the UN member States for environmentally responsible methane management through coordination of activities of the International Centre of Excellence on Coal Mine Methane in Poland." The Group of Experts welcomed the pledge from ICE-CMM in China to provide funds for a similar project strengthening oversight and coordination of the activities of the Chinese Centre with the current work plan and the needs of the Group. The Group of Experts thanked the Committee on Sustainable Energy for endorsing its efforts to establish this project and requested the secretariat to undertake all necessary steps to have it implemented at the earliest opportunity in order to assure the uninterrupted work of the Group.



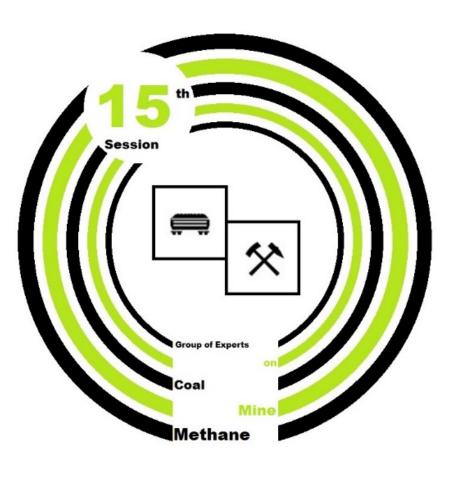
Item 10: Adoption of the report and close of the meeting ECE/ENERGY/GE.4/2020/2

Item 10: Adoption of the report and close of the meeting



Closing Remarks

Mr. Raymond C. Pilcher, Chair Group of Experts on Coal Mine Methane



Thank you

Fifteenth Session

Group of Experts on Coal Mine Methane

Opening Session 25 September 2020



7th Session Group of Experts on Gas (GEG-7)

Closing Session 25 September 2020

Item 3: Election of officers

Nominations

(to serve from September 2020 to September 2022)

For Chair: Mr. Francisco de la Flor Garcia (Spain)

For Vice-chairs:

Mr. Florian Marko (Austria)

Mr. Matin Talishly (Azerbaijan)

Mr. Boris Maksijan (Croatia)

Mr. Uwe Wetzel (Germany)

Mr. Torstein Indrebø (Norway)

Mr. Dmitriy Shvedov (Russian Fed)

Ms. Denise Mulholland (United States)

Mr. Luis Bertran (Intl Gas Union)



Item 4: Activities and priorities of the United Nations Economic Commission for Europe and its Executive Committee

Mr. Scott Foster Director Sustainable Energy Division, UNECE





Item 7: Gas value chain: gas for transport and other end-uses



Item 9: Update on implementation of the work plan for 2020-2021 and the preparation of the work plan for 2022-2023



Item 12: Any other business



Item 13: Adoption of conclusions and recommendations

Mr. Francisco de la Flor García, Chair, Group of Experts on Gas

Draft C&Rs available in English, French and Russian at:

https://www.unece.org/index.php?id=52737



Item 14: Adoption of the report

















ENERGY



Thank you!

The Group of Experts on Gas

7th session (22-25 September 2020)











11th Annual Session of the Expert Group on Resource Management

Closing Session

David MacDonald Chair, EGRM

11th Session of the Expert Group on Resource Management 22 - 25 September 2020



Closing Session 25 September 2020

Documentation



Official

• ECE/ENERGY/GE.3/2020/2 Report of the eleventh session

Room Document

• EGRM-11/2020/INF.1

Draft Conclusions and Recommendations

Available here:

https://www.unece.org/index.php?id=52488

Item 2: Election of Officers



Proposal

 To extend the term of current Bureau to close of twelfth session in 2021 and to elect the new nominations for the position of Vice-Chairs, namely Ms. Branka Knežević (Bosnia and Herzegovina), Mr. Viktor Babashev (Kazakhstan) and Mr. JU Jianhu (the People's Republic of China), to the Bureau with immediate effect

Item 2: Election of Officers

UNECE

- The term of the current Bureau of the Expert Group was due to expire at the close of the eleventh session. However, given the extraordinary situation caused by COVID-19, the Expert Group decided to extend the term of the current Bureau to the close of the twelfth session in 2021 and to elect the new nominations for the position of Vice-Chairs, namely Ms. Branka Knežević (Bosnia and Herzegovina), Mr. Viktor Babashev (Kazakhstan) and Mr. JU Jianhu (the People's Republic of China), to the Bureau with immediate effect.
- The outgoing Bureau members, Mr. Kjell Reidar Knudsen (Norway) and Mr. Brad Van Gosen (United States of America), were thanked for their longstanding commitment and support of the work of the Expert Group.

Item 2: Election of Officers

UNECE

The Bureau now comprises: Mr. David MacDonald (USA) as Chair, Mr. Igor Shpurov (Russian Federation) as First Vice Chair, and Ms. Nurangiz Farajullayeva (Azerbaijan), Ms. Branka Knežević (Bosnia and Herzegovina), Mr. Viktor Babashev (Kazakhstan), Mr. Rafal Misztal (Poland), Ms. Teresa Ponce de Leão (Portugal), Ms. Erika Ingvald (Sweden), Ms. Mücella Ersoy (Turkey), Mr. JU Jianhu (the People's Republic of China), Mr. Hussein Allaboun (Jordan), Mr. Tunde Arisekola (Nigeria), (EC D.G. GROW), Mr. Paul Msoma (African Union Commission), Mr. Milan Grohol Mr. Young Joo Lee (CCOP), Mr. Fatih Birol (IEA), Mr. Roger Dixon (CRIRSCO), Professor Gioia Falcone (IGA), Mr. Bernard Seiller (SPE), Mr. Michael Neumann (EFG), Mr. Zoltán Horváth (EGS), Mr. Roberto Sarudiansky (Latin American Mining Organization (OLAMI)) and Mr. Alistair Jones (EGRM Technical Advisory Group) as Vice-Chairs. It was noted that nominations from Norway, Serbia, Australia and IAEA are awaited.

Item 6: UN ECOSOC Decision 2004/233



EGRM-11/2020/INF.2 – Proposed draft revised ECOSOC Decision dated 1 September 2020 Available in English, French (unofficial) and Russian (unofficial) Document:

At its XX plenary meeting, on XX 2021, the Economic and Social Council, recalling its decisions of 1997/226 of 18 July 1997 and of 2004/233 of 16 July 2004, welcomed the endorsement by UNECE of UNFC and decides to invite Member States of UN, international organizations and regional commissions to consider taking appropriate measures for ensuring worldwide application of UNFC. The Council notes that this new classification system which is applicable to mineral, petroleum, nuclear fuel, renewable energy and anthropogenic resources, as well as injection projects for geological storage, is an extension and update of the earlier framework developed for fossil energy and mineral commodities on which the Council took similar action in 2004. UNFC is intended to satisfy the requirements of different resource sectors and applications, as well as making it fully aligned to the sustainable resource management called for by the 2030 Agenda for Sustainable Development. To this end, in order to facilitate worldwide application of UNFC, the Council endorses the request by the Economic Commission for Europe to publish UNFC in all official languages of the UN and to make it available in book and electronic format and on the UNECE website. 30

Item 6: UN ECOSOC Decision 2004/233



<u>Document</u>: **EGRM-11/2020/INF.2** – Proposed draft revised UN

ECOSOC Decision dated 1 September 2020

Available in English, French (unofficial) and Russian (unofficial)

The Expert Group approved the draft text of the updated United Nations Economic and Social Council Decision 2004/233 on the global application of UNFC (EGRM-11/2020/INF.2) and agreed to invite the Committee on Sustainable Energy and the Executive Committee to consider submitting the draft revised Decision on UNFC to ECOSOC for consideration and possible endorsement.

Item 8: Pathways to Sustainable Energy



<u>Document</u>: **ECE/ENERGY/2020/10** – Pathways to Sustainable

Energy – Policy recommendations from EGRM dated

14 September 2020

UNECE Pathways to Sustainable Energy Flagship Project https://www.unece.org/energy/pathwaystose.html

"The Expert Group noted with appreciation the document "Pathways to Sustainable Energy – Policy recommendations from the Expert Group on Resource Management" (ECE/ENERGY/2020/10) that was prepared by the Bureau of the Expert Group and submitted to the twenty-ninth session of the Committee on Sustainable Energy."

Item 9



Development, maintenance and application of UNFC and UNRMS



TAG Annual Report

(a longer version is posted to the UNFC website)

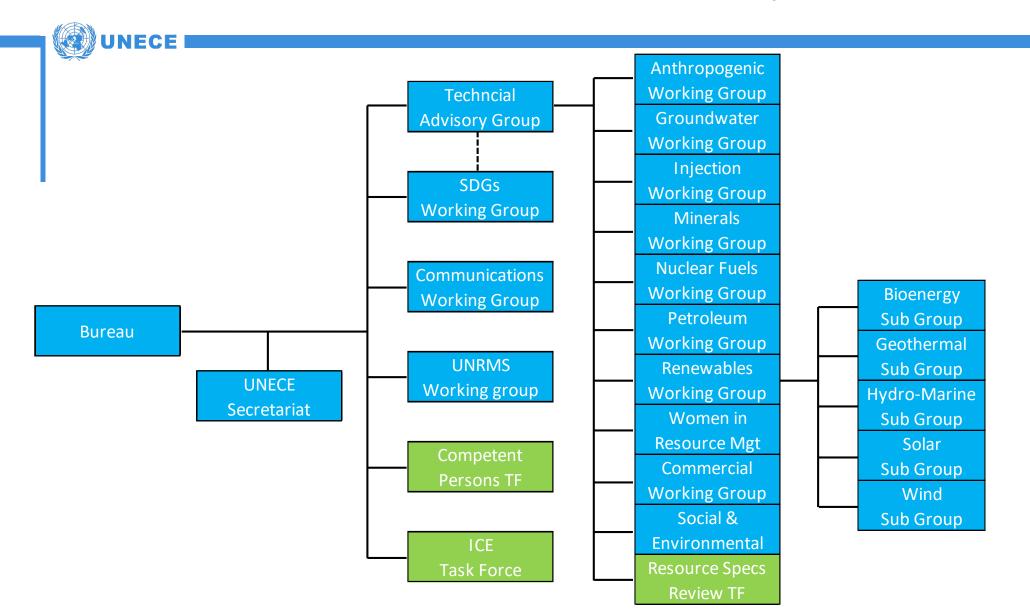
Alistair Jones
Chair
EGRM Technical Advisory Group



11th Session of the Expert Group on Resource Management 22 - 25 September 2020

Bureau Structure

September 2020



TAG Membership

September 2020

UNECE

•	Mr Alistair Jones	Chair
•	Mr Ulrich Kral	Anthropogenic Working Group
•	Mr Sigurd Heiberg	Commercial Working Group
•	Mr Kevin Parks	Groundwater Working Group (Mr Marco Petitta to 6/3/20)
•	Ms Karin Ask	Injection Projects Working Group
	Mr Johann Gotsis	Minerals Working Group (Mr Michael Neumann to 1/5/19)
•	Mr Julian Hilton	SDGs Delivery Working Group (reports directly to Bureau)
•	Mr King Lee	Nuclear Fuels Working Group (Mr Julian Hilton 24/4/20)
	Mr Satinder Purewal	Petroleum Working Group
•	Mr Jeremy Webb	Renewables Working Group (Mr Frank Denelle to 24/4/20)
	Mr David Elliott	Social & Environmental Working Group (to 23/9/20)
	Ms Maria Capello & Ms Cristina Robinson	Women in Resource Management WG (from 22/6/20)

Observers: Mr David MacDonald (EGRM Chair), Ms Charlotte Griffiths (UNECE), Mr Hari Tulsidas (UNECE)

All (current and retired) are thanked for their dedicated leadership of Working Groups and for their wise and constructive guidance as members TAG

Status of UNFC

Sep 2020



UNFC 2019 Generic Specifications

		Specifications	Bridging	Cases Studies/ Pilots
Anthropogenic		✓		✓
Groundwater		in progress		
Injection		✓		in progress
Minerals		via CRIRSCO UNFC in progress	CRIRSCO CCMR-1999	✓
Nuclear Fuels			NEA/IAEA Red Book	✓
Petroleum		via PRMS UNFC in progress	PRMS RF2013, CCPR-2004	✓
Renewables	Bioenergy	✓		✓
	Geothermal	✓		✓
	Hydro-Marine	in progress		in progress
	Solar	✓		in progress
	Wind	✓		✓

Progress on UNFC and UNRMS

May 2019-Sep 2020



Published Specifications

UNFC 2019 update

Solar

Wind

Draft Specifications

Minerals

Petroleum

Initiating Specifications

Groundwater

Hydro-Marine

UNRMS

Concept Note

Comprehensive Report

AMREC - progressing

Initiating ICEs

Exploring software implementation

Webinars

Petroleum

Minerals & Anthropogenic Resources Renewables EGRM/GERE Joint Session

Resource Management

New EGRM Groups

Hydro-Marine

Women in Resource Management

Published Case Studies & Bridging Documents

China Petroleum Bridging to UNFC

China Minerals Bridging to UNFC

Nordic Minerals Case Studies

Mexico Petroleum Pilot Study

Reports underpinning application

Application of UNFC to Commercial Assessments
Integrated Lifecycle Management of Nuclear Fuel
Role of Nuclear in Sustainable Development
UNFC and UNRMS for Sustainable Development
Principles of resource classification
Guidance on Social & Environmental Aspects

Thank you to all TAG reviewers - several contributed to multiple reviews Names are listed the longer version of this presentation

UNFC 2019

main changes



Mainly an update of terminology to be widely applicable

- Terms "Source" and "Product" defined and used consistently
 - Sources e.g. solar, wind, geothermal, hydro-marine, bioenergy, injection for storage, hydrocarbons, minerals, nuclear fuels and water, are the feedstock to resource projects from which products can be developed
 - Products may be bought, sold or used including electricity, heat, hydrocarbons, hydrogen, minerals, and water
 - "Resource" only used generically means different things to different groups
 - "Deposit", "In Place", "Extraction"... not used as not universally applicable

Classes and Category axes renamed:

- Viable, Potentially Viable.. rather than Commercial and Potentially Commercial..
- Prospective Project rather than Potential Project
- E axis renamed as Socio-Environmental-Economic Viability
- F axis renamed as Technical Feasibility
- G axis renamed as Degree of Confidence

UNFC 2019

main changes (cont.)



Mainly an update of terminology to be widely applicable

- Terminology updated in supporting explanations to be applicable to all resources
 - Supporting explanation for F1 modified too clarify that it includes consideration of commitment. This is a clarification, not a change of F axis meaning from UNFC 2009
 - One extension was made (to assist projects such as direct use of electricity produced by solar projects) to include quantities used but not sold. Other suggestions for simplifications or additions not included in this "light touch" update.
- Categorization and Classification is the same in UNFC 2019 and UNFC 2009
 - Requirements for Categories and Classes are unchanged, except for extension to quantities used but not sold
 - Current resource-specific specifications and bridging document still apply, but terminology updates required for consistency with UNFC 2019 language
 - A TAG Task Force is reviewing Resource Specifications to provide recommendations on consistency and to consider a common glossary, prior to Working Groups updating the individual Resource Specifications
- Consultations and iteration to agree changes between Task Force, Bureau, Working Groups,
 TAG



UNECE

Thank you

Alistair Jones

TAG Chair

Imperial College, UK

11th Session of the Expert Group on Resource Management 22 - 25 September 2020



Item 9(e): Renewable energy



Joint Session with Group of Experts on Renewable Energy on 23 September

Overcoming barriers to scaling up Renewable Energy https://www.unece.org/index.php?id=52488



Good cooperation with IEA, IGA, IRENA and REN21
An important first step - follow-up joint events planned

Item 9(e): Renewable energy

UNECE

- Noted the benefits of standardised renewable energy resource classification and management, including: the tracking of common milestones by project developers; harmonised monitoring of project pipelines by portfolio managers in utilities and integrated energy companies; having improved information on project maturities and risks for investors, banks and regulators; and, directly comparable information on resource potentials for policy makers.
- Noted that the use of standardised resource classifications including common project milestones and harmonised reporting, promises to reduce transaction costs while improving the quality of information being shared between businesses and governments and further noted the importance of this in the post-COVID-19 green recovery.



Item 9(e): Renewable energy

UNECE

- Noted the importance of further testing the classification of renewable energy projects using UNFC and agreed to facilitate case studies or pilot projects by ECE member States in cooperation with GERE for presentation at its twelfth session.
- Invited a member of the Bureau of the Group of Experts on Renewable Energy to join the Renewable Energy Working Group.
- Agreed to work with GERE to prepare and issue a joint study on benefits and challenges for governments applying UNFC to renewable energy projects and resources. Such a study would serve to highlight alignment of UNFC with SDGs.



Item 9(f): Nuclear fuel resources



EGRM Special Session on 24 September



The role of nuclear energy resources in sustainable development

https://www.unece.org/index.php?id=55120

Item 9(f): Nuclear fuel resources

UNECE

- The Expert Group noted with appreciation preparation of the draft report on "Application of UNFC and UNRMS: The Role of Nuclear Energy in Sustainable Development - Entry Pathways" (EGRM-11/2020/INF.5) by the Nuclear Fuel Resources Working Group. The Expert Group requested the Working Group to submit the draft report for public consultation and finalise the report based on the comments received, and further disseminate the report for broader use.
- Following review of the Concept Note on "Integrated lifecycle management of nuclear fuel resources for sustainable energy" (ECE/ENERGY/GE.3/2020/7), the Expert Group requested the Nuclear Fuel Resources Working Group to prepare the full report in consultation with all relevant stakeholders.

Item 10: Social and Environmental Considerations in UNFC and UNRMS



Document: EGRM-11/2020/INF.4 - Guidance for Social and

Environmental Considerations for UNFC dated 11

September 2020

The Expert Group noted the updated draft document "Guidance for social and environmental considerations for UNFC" (EGRM-11/2020/INF.4) and recommended that the guidance be finalized, and further recommended that the guidance should be used in the application of UNFC.

Item 12: International Centres of Excellence on Sustainable Resource Management

UNECE

Document: **EGRM-11/2020/INF.3** — Criteria for ICE-SRM

Designation and Terms of Reference for ICE-SRM

Available in English, French (unofficial) and Russian (unofficial)

International Centres of Excellence on Sustainable Resource Management (ICE-SRM) are a collaborative network of organisations focused on supporting sustainable management of the resources needed for development in line with 2030 Agenda for Sustainable Development and Paris Climate Agreement. The Centres are conceived to provide – in full compliance with the adopted UNECE standards and guidelines – policy support, technical advice and consultation, education, training, dissemination, and other critical activities for stakeholders involved in sustainable development of national resource endowments.

Transparency, oversight and good governance are key

Item 12: International Centres of Excellence on Sustainable Resource Management



<u>Document</u>: **EGRM-11/2020/INF.3** – Criteria for ICE-SRM

Designation and Terms of Reference for ICE-SRM

Available in English, French (unofficial) and Russian (unofficial)

The Expert Group approved the text of the document "Criteria for Designation of International Centres of Excellence on Sustainable Resource Management (ICE-SRM) and Terms of Reference for ICE-SRM" (EGRM-11/2020/INF.3).

Item 17: Other busines



The twelfth session of EGRM will be held in Geneva, Switzerland, as part of the Resource Management Week. Anticipate organizing many online sessions.

UNECE Resource Management Week 2021 26-30 April 2021

Please mark your calendars!



Item 18: Adoption of conclusions and recommendations EGRM-11/2020/INF.1

"The conclusions and recommendations were adopted and are included under the relevant agenda items."



Item 19: Adoption of the report and close of the meeting ECE/ENERGY/GE.3/2020/2 Draft available in English and Russian

Closing Remarks

Mr. David MacDonald, Chair Expert Group on Resource Management

Adoption of 11th Session Report

UNECE

- Noting that its eleventh session was held under unprecedented circumstances caused by COVID-19 in a different format and in collaboration with the Group of Experts on Renewable Energy for 2 days during the period 22-25 September, the Expert Group on Resource Management adopted its report (ECE/ENERGY/GE.3/2020/2)
- https://www.unece.org/index.php?id=52488 (click on Documents tab)



Thank you!

11th Session of the Expert Group on Resource Management 22 - 25 September 2020



Opening Session 22 September 2020



7th Session Group of Experts on Renewable Energy (GERE-7)

Closing Session 25 September 2020



Documentation



<u>Official</u>

• ECE/ENERGY/GE.7/2020/2 Report of the seventh session

Room Document

• GERE-7/2020/INF.1

Draft Conclusions and Recommendations

Available here:

https://www.unece.org/index.php?id=54639

Item 2: Election of Officers



Nominations (as presented on 22 September)

Chair: •Mr. Kostiantyn Gura (Ukraine)

Vice-Chairs:

- •Mr. Adrian Bylyku (Albania), •Ms. Victoria Keshishyan (Armenia),
- Mr. Andrei Miniankou (Belarus),
 Mr. Admir Softić (Bosnia and Herzegovina),
 Ms. Margalita Arabidze (Georgia),
- •Mr. Tibor Fischer (Germany), •Ms. Ainur Sospanova (Kazakhstan),
- •Mr. Georgy Ermolenko (Russian Federation),
- Mr. Miloš Banjac (Serbia), Mr. Paolo Frankl (IEA),
- •Mr. Gurbuz Gonul (IRENA), •Ms. Rana Adib (REN21), and
- Ms. Michela Morese (FAO/Global Bioenergy Partnership)

Item 2: Election of Officers

UNECE

- The Group of Experts elected a new Bureau with effect from the close of the seventh session for two years comprising the following members: Mr. Kostiantyn Gura (Ukraine) as Chair, and Mr. Adrian Bylyku (Albania), Ms. Victoria Keshishyan (Armenia), Mr. Andrei Miniankou (Belarus), Mr. Admir Softić (Bosnia and Herzegovina), Ms. Margalita Arabidze (Georgia), Mr. Tibor Fischer (Germany), Ms. Ainur Sospanova (Kazakhstan), Mr. Georgy Ermolenko (Russian Federation), Mr. Miloš Banjac (Serbia), Mr. Paolo Frankl (IEA), Mr. Gurbuz Gonul (IRENA), Ms. Rana Adib (REN21), and Ms. Michela Morese (FAO/Global Bioenergy Partnership) as Vice-Chairs.
- The Group of Experts noted with appreciated the contributions of the outgoing Chair, Mr. Nazir Ramazanov (Azerbaijan). Mr. Felice Cappelluti (Italy) also was thanked for his contribution during his time as Vice-Chair.

Item 8: Work Plan 2020-2021



<u>Document</u>: **ECE/ENERGY/2019/9** – Work Plan of the Group of

Experts on Renewable Energy for 2020-2021

Focus areas of work:

- Water-energy nexus activities
- Project on introduction of wind and solar energy into power systems of the CIS countries
- Project on Carbon Neutrality

Item 9: Any other business



Next online dialogue:

Dialogue on Water-Energy Nexus in the UNECE Region - Focus on the Caucasus, Central Asia and Eastern and South Eastern Europe

When: 19 October 2020

Time: 14:00h - 16h00 CEST

Follow GERE website for more information

https://www.unece.org/energy/re.html

Item 10: Next annual meeting



The eighth session of the Group of Experts on Renewable Energy will be held in Geneva, Switzerland:

5-6 October 2021

Please mark your calendars!



Item 11: Adoption of conclusions and recommendations GERE-7/2020/INF.1



Item 12: Adoption of the report and close of the meeting GERE-7/2020/INF.1

Item 12: Adoption of the report and close of the meeting



Closing Remarks

Mr. Georgy Ermolenko, Vice-Chair Group of Experts on Renewable Energy

Adoption of Session Report

UNECE

- Noting that its seventh session was held under unprecedented circumstances caused by COVID-19 in a different format and in collaboration with the Groups of Experts on Energy Efficiency, on Gas, and on Resource Management during the period 22-25 September, the Group of Experts on Renewable Energy adopted its report (ECE/ENERGY/GE.7/2020/2)
- https://www.unece.org/index.php?id=54639 (click on Documents tab)



Thank you!

Seventh Session

Group of Experts on Renewable Energy

Closing Session 22 September 2020

GERE-7, Geneva & Virtual, 22-25 September 2020



Next Sessions

Carbon Neutrality Workshop

25 September 14.00-16.00 hours CEST

Group of Experts on Cleaner Electricity Systems 16th Session

23-24 November

Committee on Sustainable Energy 29th Session

25-27 November



UNECE Energy Week 2020

Closing Session 25 September 2020

Featuring UNECE Groups of Experts on Energy Efficiency, on Coal Mine Methane, on Gas, on Resource Management and on Renewable Energy

Thank you for your participation!

Stay safe & stay healthy.

Geneva & Virtual, 22-25 September 2020