



# **Sustainable Energy Subprogramme**

## **Quarterly Report**

**1<sup>st</sup> Quarter 2018**  
**(January to March 2018)**

**This document is an informal document submitted to the Bureau of the Committee on Sustainable Energy to assist the Bureau in its oversight of activities under this sub-programme.**

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## Committee on Sustainable Energy (CSE)

### 1. Activities

- (a) 29 January and 20 March 2018: The Committee **Bureau** discussed a number of issues related to strategy and the role of fossil fuels going forward. Bureau minutes have been distributed and can also be downloaded here: <http://www.unece.org/energywelcome/committee-on-sustainable-energy/committee-on-sustainable-energy/committee-bureau.html>.
- (b) 21-23 February 2018: The **Global SDG7 Conference** took place in **Bangkok**: The United Nations High-level Political Forum on Sustainable Development (HLPF) will undertake the first global review of SDG7 in July 2018, under the auspices of Economic and Social Council (ECOSOC). To help provide a solid substantive foundation for the review of SDG7, a global preparatory meeting was organised by United Nations Department of Economic and Social Affairs (UN DESA) and United Nations Economic and Social Commission for Asia and the Pacific (ESCAP). Information about the conference can be found at <https://sustainabledevelopment.un.org/EnergyConference>. The process launched the preparation of 27 policy briefs to be input into the HLPF. The consultation process is open here: <https://sustainabledevelopment.un.org/EnergyConference/documentation>
- (c) 5-8 March 2018: A workshop contributing to **Pathways to Sustainable Energy** was organised with various stakeholders and the modelling community in Vienna in the offices of the Energy Community. The workshop allowed to discuss first results and to revise assumptions and planning of the project. Participants from various countries including Kyrgyzstan, Moldova and Ukraine were present. Presentations can be downloaded here: [https://www.dropbox.com/sh/0lko8at6ogbini4/AAADEW8ly43Ac\\_F1OhF3DMu5a?dl=0](https://www.dropbox.com/sh/0lko8at6ogbini4/AAADEW8ly43Ac_F1OhF3DMu5a?dl=0)

### 2. Upcoming Events

- (a) 18 April 2018: UN DESA is organising the second **High-Level Briefing to Member States in support of the SDG7 review** at HLPF 2018 at UN headquarters in New York. This event will be convened by the Permanent Missions of Norway, Pakistan and Denmark as co-chairs of the Group of Friends of Sustainable Energy and will launch the Policy Briefs on SDG7. The Executive Secretary Ms Olga Algayerova will represent UNECE. If you are interested in participating, please contact [salame1@un.org](mailto:salame1@un.org).
- (b) June 2018: **The Committee Bureau** will be invited to its traditional in person meeting that precedes the official deadlines for the documentation of the Committee on Sustainable Energy (4 July 2018). The Bureau will be invited as soon as a date has been fixed to ensure adequate planning.
- (c) 11-14 June 2018: Bishkek, Kyrgyzstan – **Sub-regional workshop on Central Asia** of the project **Pathways to Sustainable Energy**. This workshop continues previous workshops held in Astana, Baku, Geneva, and Vienna and will offer a focus on policies and technologies in the region. Results will feed into the modelling process and will be presented at the 27<sup>th</sup> session of the Committee on Sustainable Energy.
- (d) 26-28 September 2018: **27<sup>th</sup> session of the Committee on Sustainable Energy**, Geneva. Details will be provided as soon as possible. The secretariat reminds of the 10-week deadline before the meeting for all official documents. The Bureau will be invited to recommend strategic areas of discussion for the Committee in the next biennium.

### 3. Main Challenges

- (a) Staffing and recruitment.
- (b) Attracting UNECE member countries to Committee meetings and manage cannibalizing effect of meeting invitations to experts.

### 4. Resources

80% P5, 10% JPO (from Germany), 1 G5.

## Group of Experts on Energy Efficiency (GEEE)

### 1. Activities

- (a) The Group of Experts on Energy Efficiency (GEEE) has started the implementation of the Work Plan of GEEE for 2018-2019.
- (b) The fifth session of the Group of Experts on Energy Efficiency is planned to take place in the framework of the Ninth International Forum on Energy for Sustainable Development to be held in Kiev on 5-8 November 2018. Preparations for the Forum and for the GEEE session have started.
- (c) The secretariat and the GEEE Bureau organized a peer learning round table Improving the efficiency of the energy system in the framework of the Regional Forum on Sustainable Development on 1 March 2018. Case studies from Germany, Serbia, Ukraine, and the former Yugoslav Republic of Macedonia were presented. Panellists included a number of GEEE members, including the Chair and several Vice Chairs. Over 70 participants attended the round table. Information on the round table is available at: <https://www.unece.org/rfsd2018.html> (under SDG7 tab).
- (d) The secretariat continued implementation of activities under the Joint Task Force (JTF) on Energy Efficiency Standards in Buildings (EESB). The study on the mapping of Energy Efficiency Standards in Buildings in the UNECE region is on-going; the first draft is expected by the end of April 2018. In addition to the existing extra-budgetary project on *Energy Efficiency Standards in Buildings* funded by the Governments of Denmark and the Russian Federation, EXCOM has approved the project *Promoting the application of high-performance energy efficiency standards in buildings in member States of the Black Sea Economic Cooperation Organization (BSEC) and the United Nations Economic Commission for Europe (UNECE)* (donor – Black Sea Economic Cooperation Organization) that will further support the work of JTF on EESB. Its implementation starts in April 2018.
- (e) The second meeting of the Joint Task Force on Energy Efficiency Standards in Buildings is planned on 14-15 May 2018 in Yerevan. All meeting documents will be posted at: <http://www.unece.org/index.php?id=48300>. The meeting will be organized jointly by UNECE (secretariats of GEEE and CHLM) and UNDP. The meeting will include the Workshop on validation of results of mapping of Energy Efficiency Standards in Buildings in the UNECE region. Preparatory work for the meeting has started.
- (f) The second edition of the publication *Best Policy Practices for Promoting Energy Efficiency* has been issued both electronically and in hard copy in English and French. The Russian version is expected soon. Available at: <http://www.unece.org/energywelcome/areas-of-work/energy-efficiency/publications.html>. Hard copies can be requested from the secretariat.
- (g) The joint UNECE/Copenhagen Centre on Energy Efficiency study *Overcoming barriers to investing in energy efficiency* has been issued both electronically and in hard copy in English. The French and Russian versions are expected soon. The publication is available at: <http://www.unece.org/energywelcome/areas-of-work/energy-efficiency/publications.html>. Hard copies can be requested from the secretariat.
- (h) Staff members participated in the following events:
  - Energy sufficiency: what are the messages for policy makers? eceee round table, Geneva, 1 February.
  - Regional Forum on Sustainable Development and peer learning round table Improving the efficiency of the energy system, Geneva, 1-2 March 2018.
  - 1st Donors' Cooperation and Coordination Conference organized by the Energy Community Secretariat, Vienna, 27 March 2018.

### 2. Upcoming Events

- (a) List of events organized by UNECE or where UNECE work on energy efficiency will be presented:
  - Workshop on validation of results of mapping of Energy Efficiency Standards in Buildings in the UNECE region – second meeting of the Joint Task Force on Energy Efficiency Standards in Buildings, Yerevan, 14-15 May 2018.
  - EE Global Forum, Copenhagen, 21-22 May 2018.

- National Workshop “Energy Efficiency in Europe: How do Swiss sectors and policies score?”, Bern, 29 May 2018.
- Industrial Efficiency 2018 organized by eceee and DENEFF, Berlin, 11-13 June 2018.

3. Main Challenges

- (a) Additional resources (financial and in-kind) for activities under the Work Plan.
- (b) Broader participation by UNECE member States in the activities of this Group of Experts.
- (c) Identification and prioritization of the most promising areas for cooperation with other Groups of Experts.

4. Resources

1 P5 (20%), 1 P4, 1 G5 (40%).

## **Group of Experts on Cleaner Electricity Production from Fossil Fuels (CEP)**

### **1. Activities**

- (a) The Group of Experts on Cleaner Electricity Production from Fossil Fuels (CEP) has started the implementation of its 2018-2019 work plan.
- (b) The 14<sup>th</sup> session of the CEP has been rescheduled to be held during the Committee week, on 28 September 2018.
- (c) The Group (represented by a vice-chair of the Bureau and the secretariat) participated in the Regional Forum on Sustainable Development (Geneva, 1-2 March), providing input to the session on the role of fossil fuels in supporting attainment of the 2030 Agenda for Sustainable Development.
- (d) Publication: Coordinated Operations of Flexible Coal and Renewable Energy Power Plants: Challenges and Opportunities that was published electronically in December 2017 is now in process of being printed.

### **2. Upcoming Events**

- (a) 2<sup>nd</sup> International Clean Coal Technologies Summit, 11-12 April, Istanbul, Turkey
- (b) 14<sup>th</sup> session of Group of Experts on CEP, Geneva, 28 September 2018.

### **3. Main Challenges**

- (a) Insufficient regular budget resources.
- (b) Identify and secure the extrabudgetary resources needed to carry out the work plan and related capacity building activities.

### **4. Resources**

1 P5 (10%), 1 P4 (50%), 1 G6 (25%), plus in-kind contributions by experts.

## Group of Experts on Renewable Energy (GERE)

### 1. Activities

- (a) The Group of Experts on Renewable Energy (GERE) has started the implementation of the Work Plan 2018-2019;
- (b) The fifth session of the Group of Experts on Renewable Energy is planned to take place in the framework of the Ninth International Forum on Energy for Sustainable Development to be held in Kiev on 5-8 November 2018. Preparations for the Forum and for the GERE session have started.
- (c) The report on Status and perspectives for renewable energy development in the UNECE region was issued in March 2018. This is a new version of a previous report and points out how Renewable energy is growing in the UNECE region, but the uptake is lagging far behind targets and ambitions. This update offers new findings from recent UNECE Renewable Energy Hard Talks, two dedicated workshops on “Fostering renewable energy in UNECE countries’ electricity sectors” and “Fostering renewable heat in the UNECE region”, Bonn, Germany, 13-14 November 2017 during COP23 and experiences for sustainable renewable energy in the UNECE region. The German Energy Agency (dena) and UNECE have collaborated in issuing this new report, which features good practices for and experiences of renewable energy policymaking. See at: <https://www.unece.org/energy/re.html>
- (d) A fourth UNECE Renewable Energy Hard Talk is scheduled to take place with key stakeholders in Astana, Kazakhstan, 26-27 April 2017. Preparatory activities took place in the first months of the year together with the Ministry of Energy, the European Commission (EU DEVCO/ EU TAF) and USAID, main partners and donors of this activity. The dialogue will lead to specific recommendations and priorities for unblocking investments in renewable energy and will be used by the Ministry to promote the first round of renewable energy auctions foreseen in 2018. Discussions will cover the following aspects: market risks; renewable energy support schemes; tariffs, permitting; transmission and distribution grids; resource and technology risk; bankability; Power Purchase Agreement (PPA) terms and other relevant issues.
- (e) Preparatory work started for the organization of three Renewable Energy Hard Talks in Bosnia and Herzegovina, Montenegro and Serbia in 2018, within the context of the Drina river basin new follow-up project. The intention is to promote renewable energy deployment with special attention to water-food-energy-ecosystem nexus issues and fostering transboundary cooperation and action across sectors, preparing the improvement of the monitoring networks and identifying the main point sources and diffuse sources of pollution, and taking the necessary energy-water dialogue and renewable energy development among the riparian countries of the Drina river gradually to a higher level.
- (f) The Chair of GERE Bureau, Mr. Nazir Ramazanov, participated in person in the meeting of Bureau of the Committee on Sustainable Energy, Geneva, 20 March 2018 and in the 4<sup>th</sup> Session of the Group of Experts on Gas, Geneva, 23 March 2018, with a contribution to the discussion on synergies between renewable energy and gas.
- (g) Staff member participated in the following events:
  - Regional Forum on Sustainable Development, Geneva, 1-2 March 2018. Staff coordinated two energy sessions (energy efficiency and transformation of energy system); See more at [https://www.unece.org/fileadmin/DAM/RCM\\_Website/Concept\\_note\\_SDG7\\_1.pdf](https://www.unece.org/fileadmin/DAM/RCM_Website/Concept_note_SDG7_1.pdf) and [https://www.unece.org/fileadmin/DAM/RCM\\_Website/Concept\\_note\\_SDG7\\_2.pdf](https://www.unece.org/fileadmin/DAM/RCM_Website/Concept_note_SDG7_2.pdf)
  - 40th session of the joint UNECE/FAO Working Party on Forest Statistics, Economics and Management, Geneva, 23 March 2018. Presentation of GERE work and key findings from the UNECE RE Status Report 2017; See more at: <http://www.unece.org/fileadmin/DAM/timber/meetings/2018/20180322/item-5-sambucini.pdf>
  - Bureau of the Committee on Sustainable Energy, Geneva, 20 March 2018.
  - The 2018 IEA Renewable Industry Advisory Board (RIAB) Annual Meeting, Paris, 26 March.

- IEA Workshop on ““Enhancing the Impact of Energy Efficiency and Renewable Energy Policies”, Paris, 27 March. See more at: <https://www.iea.org/workshops/enhancing-the-impact-of-energy-efficiency-and-renewable-energy-policies--.html>

## 2. Upcoming Events

List of events organized by UNECE or where UNECE work on renewable energy will be presented:

- Hard Talk on Renewable Energy, Astana, Kazakhstan, first half of 2018 (date tbc);
- 3 Hard Talks on Renewable Energy, with a water-energy nexus angle, foreseen in Bosnia and Herzegovina, Montenegro and Serbia June-October 2018
- 5<sup>th</sup> session of GERE, within 9<sup>th</sup> International Forum on Energy for Sustainable Development Kiev, Ukraine, 6-9 November 2018 (tbc);
- GERE Bureau meetings in 2018.

## 3. Main Challenges

- (a) Additional resources (financial and in-kind) for activities under the Work Plan 2018-2019.
- (b) Broader participation by UNECE member States in the activities of this Group of Experts.
- (c) Strengthening the work of GERE as contribution to the 2030 Agenda for Sustainable Development as well as, in this direction, identification and prioritization of the most promising areas for cooperation with other Groups of Experts.

## 4. Resources

1 P5 (20%), 1 P4, JPO (30%), 1 G5 (40%).

## Group of Experts on Coal Mine Methane (GoE on CMM)

### 1. Activities

- (a) GoE on CMM continues to work on the deliverables prescribed in its 2018-2019 work plan.
- (b) Activity A: Disseminate and Expand the Best Practice Guidance for Effective Methane Drainage and Recovery in Coal Mines (BPG)
- The official translations of the BPG into Russian and French were presented to the Secretariat. The documents were sent back for minor corrections.
  - An unofficial translation of the BPG into Polish based on an in-kind contribution by the International Centre of Excellence on CMM (ICE-CMM) in Poland is under revision.
  - A first draft of an unofficial translation of the BPG into Chinese based on an in-kind contribution by ICE-CMM in China was prepared. The document is currently under revision.
  - A seminar on CMM has been prepared and is to be delivered in Toronto, Canada, 16 April, within the framework of the 2018 Global Methane Forum (GMF). The event organized in cooperation with the Global Methane Initiative (GMI) will feature 7 technical presentations, to be posted at: <https://www.unece.org/index.php?id=48373>
  - The Group of Experts and a Secretariat preparing a one-day-long seminar *Turning Coal Mine Methane into an Asset: Implementing Best Practices and Policies* that is to be delivered in cooperation with GMI within the framework of the [25<sup>th</sup> World Mining Congress](#), in Astana, Kazakhstan (20 June).
  - The Group of Experts received a formal invitation from the Energy and Mining Planning Unit of the Ministry of Mines and Energy of Colombia to organize and deliver a capacity-building workshop in the country. The event is tentatively scheduled for July. In preparation for the workshop the Group of Experts and the Secretariat conducted a fact-finding mission (11-17 March) to explore the CMM situation on the ground.
  - The Group of Experts received a formal invitation from the Ministry of Economy and Sustainable Development of Georgia to organize and deliver a capacity-building workshop in the country. The event is tentatively scheduled for October.
- (c) Activity B: Launch and support the work of the International Centres of Excellence (ICE) on CMM
- A seminar *Coal Mine Methane as a Valuable Energy Source* organized jointly by the Group and ICE-CMM in Poland and GMI was held in Cracow, Poland, 28 February 2018 (80 participants). 16 presentations were delivered and are posted at: <https://www.unece.org/index.php?id=48354>
  - ICE-CMM in Poland will participate in GMF where it is to deliver a presentation providing an overview of the pre-mine drainage projects in Poland.
  - ICE-CMM in China commenced preparations for a workshop on best practices in CMM drainage and use. The event is to be delivered in Q3.
  - ICE-CMM in China continues its work on developing a training module for training trainers, which is to serve as a tool for strengthening the capacity of the Centre in disseminating the best practices developed by the Group of Experts. The project is to be accomplished in Q3.
  - The Secretariat actively explores potential for obtaining funds for an extra-budgetary project allowing for better coordination of activities of ICE-CMMs.
- (d) Activity C: Collect and disseminate case studies on the application of BPG in specific coal mines in different regions of the world
- 16 presentations delivered at the workshop in Cracow, Poland were posted on the CMM website.
- (e) Activity D: Contribute, in cooperation with other Groups of Experts and under the leadership of the Committee on Sustainable Energy, to the work on integrated methane management in the context of sustainable development.
- A consultant for the extrabudgetary project on *Methane Management in Extractive Industries (Upstream Oil and Gas/Downstream Gas)* was hired.
  - The Secretariat and the consultant participated in a [workshop on reducing methane emissions from the gas sector](#), organized by the Group of Experts on Gas in Geneva (21 March).
  - Representatives of the Group of Experts and the Secretariat will participate in the meeting of the Task Force on Methane Management in Extractive Industries that is to be held within the framework of GMF in Toronto, Canada (18 April).

- To highlight the importance of proper methane management and support development of pre-mine drainage projects in Poland, representatives of the Group of Experts, ICE-CMM in Poland, and the Secretariat will participate in the panel discussion organized within the framework of the [GAZTERM](#) conference (Miedzyzdroje, Poland, 7-9 May).
- (f) Activity E: Further engage, in cooperation with other Groups of Experts and under the leadership of the Committee on Sustainable Energy, in the work on transition the coal industry in the ECE region
- A meeting with the Permanent Mission of Kazakhstan was held (11 January) to discuss the country's involvement in the project on *Modernization of the energy sector*. A follow-up stakeholder meeting in Kazakhstan is to take place later this year.
  - A session on *Opportunities to reduce greenhouse gas emissions in a well-established coal value chain* is being prepared to be delivered in Toronto, Canada, 16 April, within the framework of GMF. The event organized jointly by the Group of Experts on CMM and CEP in cooperation with GMI will feature a number of technical presentations and a panel discussion. All documents will be posted at: <https://www.unece.org/index.php?id=48373>
  - The Secretariat engaged with European Commission (EC) to explore synergies between the project on *Modernization of the energy sector* and the *Coal Regions in Transition Platform* launched last year by EC.
2. Upcoming Events
- (a) Global Methane Forum, 16-18 April 2018, Toronto, Canada.
  - (b) GAZTERM conference, 7-9 May 2018, Miedzyzdroje, Poland
  - (c) Seminar *Turning Coal Mine Methane into an Asset: Implementing Best Practices and Policies* at the 25<sup>th</sup> World Mining Congress, 20 June 2018, Astana, Kazakhstan
  - (d) A capacity-building workshop in Colombia, July 2018 (TBC)
3. Main Challenges
- (a) Funding for the secretariat to service GoE on CMM and its Bureau.
4. Resources
- 1 P5 (20%), 1 P3 (75%) and 1 G6 (25%), plus in-kind contributions by experts.

## Expert Group on Resource Classification (EGRC)

### 1. Activities

- (a) Deliverables of the [work plan for 2018-2019](#) are being implemented. The Bureau met on 24 January and 8 March to review progress on implementation of the work plan, and review the planning for EGRC 9th session (24–27 April 2018). The Technical Advisory Group met on 1 February, 15 February and 13 March. All other EGRC sub-groups continued to meet and communicate by email.
- (b) Eight technical documents were submitted for the 9<sup>th</sup> Session of the EGRC (24–27 April). These includes [Guidance on Social and Environmental Considerations](#), [Draft specifications for Anthropogenic Resources](#) and [Initial draft Solar Energy specifications](#). Proposals for developing Mineral and Petroleum specifications were also prepared and submitted.
- (c) Several workshops and side events are planned for [the UNECE Resource Management Week 2018](#). These include (i) Training on Introduction to UNFC in cooperation with PETRAD (23 April); (ii) UNFC-African Mineral and Energy Classification and Management System Workshop in cooperation with African Union Commission and African Mineral Development Center (23 April); (iii) Workshop on UNFC for Sustainable Development (24 April); (iv) Symposium on the "Availability of raw materials from secondary sources: A key aspect of circular economy" (in cooperation with EIT RawMaterials, EU COST MINEA Project and ESM Foundation) (24 April); (v) Special Workshop on Waste Valorization and Critical Raw Materials (24 April) and (vi) UNECE-IAEA Consultancy Meeting on Application of UNFC to Uranium and Thorium (23–24 April). Several EGRC Working Groups will be organizing face-to-face meetings during the week.
- (d) A Memorandum of Understanding is planned to be signed between EuroGeoSurveys (EGS) and UNECE on 26 April for the promotion and application of UNFC in Europe and beyond.
- (d) A UNFC Workshop on Geothermal Energy was organized in cooperation with the International Geothermal Association and IRENA, 21-22 March, Bandung, Indonesia.
- (e) A training course on UNFC was organized in cooperation with PETRAD, 12-13 March, Stavanger, Norway.
- (f) Capacity building projects: (i) Improving national capacities of Central Asian countries to harmonize and implement internationally applicable system of classification and sustainable management of energy and mineral resources (2017-2019), US\$ 161,000, funded by the Russian Federation has been approved; (ii) Integrated energy and water resource management in support of sustainable development in South-East Europe and Central Asia (2018-2021), US\$ 490,000 funded by the UN Development Account 11<sup>th</sup> Tranche. The projects are under initiation.

### 2. Upcoming Events

- (a) UNECE Resource Management Week 2018 “UNFC for Sustainable Development” (incorporating EGRC 9<sup>th</sup> Session), Geneva, Switzerland, 23-27 April 2018.
- (b) UNECE-GKZ UNFC Workshop, Moscow, Russian Federation, 30-31 May 2018
- (c) UNFC Workshop, Mexico City, Mexico, 18-20 June 2018

### 3. Main Challenges

- (a) Capability of secretariat to: service EGRC, its Bureau (21 members) and 20 sub-groups; respond to technical requests; organize workshops; update website; identify speakers for conferences etc.
- (b) Extrabudgetary funding urgently needed.

### 4. Resources

1 P5 (40%), 1 P4 (100% - temporary) and 1 G6 (50%). EGRC and UNFC development dependent on significant voluntary contributions (time, travel and sponsorship).

## **Group of Experts on Gas (GEG)**

### **1. Activities**

- (a) The Group of Experts on Gas (GEG) has started implementation of its Work Plan 2018-2019.
- (b) The GEG Bureau held three conference calls in January, February and March, plus one in-person meeting on 22 March to discuss the ongoing activities and the preparations for the 5<sup>th</sup> session of GEG in March 2018.
- (c) 5<sup>th</sup> session of GEG held on 22-23 March 2018, with over 100 participants.
- (d) The industry workshop on methane emissions, in collaboration with Marcogaz and GIE, held on March 2018 in Geneva.
- (e) The implementation of the extrabudgetary project “Methane Management in Extractive Industries (Upstream Oil and Gas / Downstream Gas)” continues. The secretariat hired a consultant to develop a draft of best practices in monitoring, reporting and verification as well as in mitigating emissions. The consultant attended the 5<sup>th</sup> session and the workshop on methane emissions to take stock of developments and presented some early findings.
- (f) GEG participated in the Regional Forum on Sustainable Development (Geneva, 1-2 March), where it presented a case study of the role of liquefied natural gas in providing access to energy, in the context of SDG7 and the 2030 Agenda for Sustainable Development.

### **2. Upcoming Events**

- (a) Global Methane Forum, 16-18 April 2018, Toronto, Canada.
- (b) 6<sup>th</sup> Session of the Group of Experts on Gas, March 2019, Geneva.

### **3. Main Challenges**

- (a) Insufficient regular budget resources to service GEG, its Bureau and 4 task forces.
- (b) Identify and secure the extrabudgetary resources needed to carry out the work plan and related capacity building activities.

### **4. Resources**

1 D1 (15%), 1 P5 (15%), 1 P4 (50%), 1 P3 (20%), 1 G6 (25%) plus in-kind contribution by experts.

## Regional Advisor

### 1. Activities

#### **(a) Advisory mission to Astana, Kazakhstan, 13-15 February.**

Meetings with the representatives of the Ministry of Energy of Kazakhstan:

- Mr. Bakhytzhan Jaxaliev, Vice Minister;
- Ms. Aliya Shalabekova, Director of Green Economy Department;
- Ms. Olga Melnik, Head of Section;
- Mr. Talgat Abygazy, Chief Expert, Power Engineering and Integration Department;
- Mr. Kairat Rakhimov, Chief Expert, Section of Development of Power Engineering and Integration.

During meetings with the Vice Minister Mr. Jaxaliev there were discussions on SDG7 implementation in Kazakhstan, mutual cooperation, in particular on Energy-Gender project. Mr. Jaxaliev requested staff member to participate in the meeting with representatives of Kazak National Statistics Committee to advise on energy (coal production and coal concentrate) data presentation in official statistics books.

During meetings with Ms. Aliya Shalabekova and Ms. Olga Melnik there were discussions on low-carbon energy and green economy development. Staff member presented the status of SEA and EIA legal drafting, which being performed by UNECE Environmental Division.

Meeting at the National Statistics Committee:

There was a meeting with Mr. Kairat Rakhimov, Ministry of Energy and representatives of National Statistics Committee Ms. Aigul Epbaeva, Chief Department of Production and Environment and her colleagues to discuss calculation of the index of physical volume of coal and lignite production by the Committee of Statistics. It was noted by the Ministry that in Statistics books the volume of Coal Concentrate (product of coal processing) is added to the total volume of coal mining. Consequently, the volume of coal processed for Coal Concentrate production was double-counted. The above actions distort the index of physical volume within the activity "Coal and Lignite Production".

According to the International Standard Industrial Classification of All Economic Activities (ISIC) (Rev. 4 UN, New York, 2009). Staff member noted that the information about coal concentrate production should be moved from section B "Mining and quarrying" to section C "Manufacturing", and the calculation of the index of physical volume is recommended to be conducted in respect of proposed changes.

Meetings with KazEnergy:

- Mr. Ramazan Zhampiisov, Executive Director
- Ms. Lyazzat Akhmurzina, Executive Director

During meetings with representatives of the KazEnergy there were discussions on mutual cooperation, in particular on EPR in Kazakhstan in 2018, on development of project on promoting clean and affordable energy to empower women and girls in Kazakhstan and beyond in Central Asia and involvement of KazEnergy representatives in the Sustainable Energy Division Expert Group meetings. KazEnergy proposed to bond UNECE and KazEnergy activities on energy-gender topic and to hold an event to present project's findings during the World Petroleum Council in Astana 1-3 October 2018.

Meetings with Samruk-Energy:

Staff member met Mr. Serik Tutebaev, Managing Director for Production and Asset Management of the JSC "Samruk-Energy". Company's interest to be involved to energy-gender project was expressed. Also Mr. Tutebaev confirmed interest and desire to become a member of the IEA Clean Coal Center (CCC). The process to get CCC membership was clarified by staff member.

Meeting with Ms. Aitimova, Chairperson of the Committee for Social-Cultural Development and Science of the Parliament of the Republic of Kazakhstan. Staff member described pilot project on promoting clean and affordable energy to empower women and girls in Kazakhstan and beyond in Central Asia. Ms. Aitimova expressed great interest in implementation of the project and offered full support.

Meeting with Mr. Anthony Spinelli, Vice President, JSC KazMunayGas.

Mr Spinelly expressed interest in participation in UNECE activities on methane management. Staff member invited him and his colleagues to participate in UNECE SED Expert Groups meetings. Also staff member informed Mr. Spinelly about pilot project on energy-gender topic.

Staff member assisted UNECE Environmental Division in organizing meeting with Vice Minister of Energy Mr. Jaxaliev and opening Working group meeting on the strategic environmental assessment (SEA) and environmental impact assessment (EIA) legal drafting in line with the Espoo Convention and its Protocol on SEA.

Staff members had meetings with UNDP representatives: Ms. Irina Gorunova and Alexander Belyi. Mutual pilot project on promoting clean and affordable energy to empower women and girls in Kazakhstan was discussed. Roles of stakeholders have been identified.

**(b) Environmental Performance Review, Kazakhstan, 11-20 March.**

The Regional Adviser works in close cooperation with UNECE Environment Division, in particular in preparation of the energy chapters for the Environmental Performance Review (EPR). EPR mission was undertaken by the team of experts. Staff member is responsible for chapter on Energy and Environment. Data collection and preparation of draft chapter was conducted during the mission.

2. Main Challenges

(a) N/A.

3. Resources

1 P5 (100%).

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