

Sustainable Energy Subprogramme

Quarterly Report

1st Quarter 2014

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.

April 4, 2014

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Group of Experts on Energy Efficiency

1. Activities

- (a) Secretariat is organizing an Inter-regional Workshop on Energy Efficiency Investment Projects Pipeline in cooperation with ESCAP in Bangkok, 23-24 April (under the UNDA project Promoting Energy Efficiency Investments for Climate Change Mitigation and Sustainable Development).
- (b) A study “Strengthening solutions for improved access to advanced energy services in the UNECE Region” was completed in March. The study analyzed one of the objectives of the SE4ALL Initiative - ensuring universal access to modern energy services - and identified main factors that could define the access to advanced energy services in the UNECE region.
- (c) The project “Enhancing Synergies in CIS National Programmes on Energy Efficiency and Energy Saving for Greater Energy Security” was completed in February. The Regional Action Plan and Recommendations for development and implementation of energy efficiency and energy saving policies in the CIS has been posted on the website in Russian¹ and in English².
- (d) The secretariat is preparing a draft Work Plan of the Group of Experts on Energy Efficiency for consideration by the Bureau of the CSE and by the nominated Bureau of the Group of Experts.
- (f) The secretariat continued efforts jointly with UNEP to resume disbursement of funds by the donors for the Financing Energy Efficiency and Renewable Energy Investments for Climate Change Mitigation (FEEI) project. There is current positive interest from the IFC, but no other leads.
- (g) The secretariat has finalized the text of the Memorandum of Understanding between UNECE and the Electric Power Council of CIS. It is due to be signed at the 45th Meeting of the CIS Electric Power Council in Baku on 25 April 2014.

2. Upcoming Events

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

- ADB 17th Meeting of the Energy Sector Coordinating Committee, Central Asian Regional Economic Cooperation, Bishkek, 2-3 April 2014.
- ESCWA Seminar Enabling Policies for Financing Energy Efficiency Investments, Tunis, 14-15 April 2014.
- Inter-regional Workshop on Energy Efficiency Investment Projects Pipeline, Bangkok, 23-24 April 2014 (UNECE in cooperation with ESCAP).
- 45th Meeting of the CIS Electric Power Council, Baku, 24-25 April 2014.
- ADB/IEA Conference Regional Energy Efficiency Policies for Central and West Asia, 28-30 May 2014.
- Fifth International Forum: Energy for Sustainable Development, Baku, October 2014 (dates and venue TBC) (UNECE in cooperation with other UN Regional Commissions and UNDP).
- First session of the Group of Experts on Energy Efficiency, Geneva, 17-18 November 2014.

3. Main Challenges

Uncertainty regarding the Work Plan which has to be discussed and proposed by the nominated Bureau of the Group and by the Bureau of the Committee, and then approved by EXCOM. The secretariat is seeking engaged involvement of appropriate experts and government officials from across the UNECE region both for the Bureau and for the expert group itself.

4. Resources

2 P4s, equivalent of 50% of G5.

¹ http://www.unece.org/fileadmin/DAM/energy/se/pdfs/ee21/EE21_Subregional_projects/RegionalActionPlanRus_Jan_2014_Final.pdf

² http://www.unece.org/fileadmin/DAM/energy/se/pdfs/ee21/EE21_Subregional_projects/RegionalActionPlan_E_Feb_2014_FINAL.pdf

Group of Experts on Cleaner Electricity Production from Fossil Fuel

1. Activities

- (a) Prepared Group of Experts work plan for EXCOM approval. The plan has been reviewed and endorsed by the GoE's Bureau.
- (b) Visited the United Nations Framework Convention on Climate Change secretariat (UNFCCC), with the Chair and a Bureau member, to discuss UNECE's proposed recommendations on the role of carbon capture and storage (CCS) in the climate change negotiations and other UNFCCC mechanisms.
- (c) Started practical preparations for the October workshop (e.g., conference room).
- (d) Identified possible partners for the October workshop and discussed content with them (University of Arizona, ECE Environment Division, UNEP, UNFCCC).
- (e) Initiated survey on CCS actors, with help from interns.
- (f) Participated in a regional conference on biofuels.
- (g) Discussed possible joint activities with some regional actors (the Central Asia Regional Economic Cooperation (CAREC), the Central European Initiative, or the World Energy Council).
- (h) Updated website to reflect the newly-endorsed programme of work.
- (i) Started spring cleaning of the contact database.
- (j) Engaged interns in CCS-related project proposal drafting.

2. Upcoming Events

- (a) 10th session of the Group of Experts, 21 October 2014.
- (b) Pre-session workshop on practical aspects of CCS and improving conversion efficiencies, 20 October 2014.

3. Main Challenges

The participation of experts is not broad enough. More experts from critical ECE member States are needed.

4. Resources

50% P3 and 20% of a G3, plus in-kind contribution by the experts.

Group of Experts on Renewable Energy

1. Activities

The twenty-second session of the Committee on Sustainable Energy recommended the establishment of a Group of Experts on Renewable Energy (ECE/ENERGY/91). The Executive Committee subsequently approved this recommendation at its meeting in December 2013 (ECE/EX/7). Following this decision:

- (a) Secretariat prepared a first draft Work Plan of the Group of Experts on Renewable Energy that was considered by the CSE Bureau meeting on 4 February 2014. Following comments from the Bureau, a revised draft work plan was sent for CSE Bureau consideration on 28 March and will be sent for suggestions to Bureau's candidates, experts and other stakeholders (in April). It should be possible to have it approved by EXCOM on April 30.
- (b) Secretariat has negotiated and finalized the text of an MOU with IRENA on 21 February.
- (c) Secretariat has sent a note on 6 February requesting that member States nominate candidates by 18 March for the election of the Bureau of the Group of Experts on Renewable Energy. 3 candidates from Azerbaijan, Croatia and Germany and 4 experts from Azerbaijan, Bulgaria and Poland (2) have been indicated so far by member States;

2. Upcoming Events

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

- (a) UNCTAD Multi-year Expert Meeting on Commodities and Development – Recent Developments in Commodity Markets and Opportunities for Commodity-Based Trade and Development in Natural Resource Sectors, Geneva, 9 April 2014;
- (b) The MoU with IRENA is proposed to be signed by UNECE ES and IRENA DG at the High-level Meeting of SE4All in NY on 5-6- June;
- (c) An informal preparatory meeting on the set up of the Group will take place during the second half of June (date to be confirmed);
- (d) First meeting of the Group of Experts on Renewable Energy, Geneva, 18 (afternoon) and 19 (morning) November 2014, in conjunction with the twenty-third session of the Committee on Sustainable Energy (19-21 November 2014).

3. Main Challenges

The secretariat needs to work closely with the Bureau of the CSE and the candidates and experts indicated by member States to build consensus on the work plan that is to be approved by the EXCOM at the end of April. There is a need to identify and actively involve experts and government representatives from more UNECE member countries as well as other key stakeholders from public and private sector. These would include notably the US and additional experts from the EU and CIS. It will be relevant to identify resources, internally and externally, for relevant studies, analysis and survey to collect relevant data and information to identify the baseline situation of renewable energies in the UNECE region and prepare activities of the work plan that will be taken into account for approval in November.

4. Resources

10% P4, acting programme officer in addition to being the secretary of the Committee.

Group of Experts on CMM

1. Activities

- (a) Prepared Group of Expert's work plan for EXCOM approval. The plan has been reviewed and endorsed by the GoE's Bureau.
- (b) Started practical preparations for the October session and the joint meeting UNECE-Global Methane Initiative (GMI) (*e.g.*, conference room, interpretation).
- (c) Drafted Terms of Reference for translations (Spanish and Mongolian) of the Best Practice Guidance on Effective Methane Drainage and Use in Coal Mines (BPG) and identified candidates for the job.
- (d) Revisited the Russia-financed project (E187) with the RF Mission.
- (e) Discussed possible future activities with partners (Central Coal Mining Institute (GIG) of Poland).
- (f) Updated website to reflect the newly-endorsed programme of work.
- (g) Started updating the contact database.

2. Upcoming Events

- (a) 9th session of the Group of Experts, 22 October 2014.
- (b) Post-session joint UNECE-GMI meeting, 23 October 2014.

3. Main Challenges

The funds for the Russia-finance project are still not available. Activities establishing the International Centre of Excellence on Coal Mine Methane (ICE-CMM) are on hold pending a decision by the Task Force.

4. Resources

50% P3 and 20% of a G3, plus in-kind contribution by the experts.

Expert Group on Resource Classification (EGRC)

1. Activities

- (a) Secretariat conducted a UNECE Workshop on Application of UNFC to Renewable Energy in Washington, 24–25 March (workshop was hosted by the World Bank and sponsored by BP, DuPont, Shell and Total). Draft renewable specifications have been prepared and were reviewed at the event.
- (b) India has committed to apply UNFC-2009 to solid minerals at the national level. Secretariat worked with the Government of India and World Bank to organize a follow-up Workshop on “UNFC and Sustainable Mining”, Nagpur, India, 1–2 April, but this has now been postponed to July 2014. Consultations were organized instead in New Delhi, 31 March–1 April.
- (c) Preparations are underway for the EGRC Fifth Session and related meetings, 28 April–2 May 2014. Related meetings include: IAEA and UNECE Consultancy Meeting “Preparing a guidebook for application of UNFC- 2009 for uranium and thorium projects”, 28–29 April; UNECE UNFC Workshop, 29 April; SPE Swiss Section Lecture on “UNFC and COGEH Guidelines for Reserves other than Resources”, 1 May; EGRC Bureau meetings 28 April and 1 May and Technical Advisory Group meeting 30 April.

EGRC fifth session documentation:

- Provisional agenda finalized and approved by EGRC Bureau.

Other official documentation finalized:

- (i) Comparison of CRIRSCO Template (CT) 2006 with CT 2013 and implications for UNFC
- (ii) Uranium Bridging Document – final draft (approved by EGRC Bureau)
- (iii) Case Study on Application of UNFC-2009 to solid minerals
- (iv) Case Study on Application of UNFC-2009 to nuclear fuel resources in Argentina
- (v) Education & Outreach & Activities of the Communications Sub-Committee (approved by CSC)
- (vi) Self-evaluation of UNFC-2009 and EGRC

(d) Secretariat is working with the EGRC Chair to organize the Special Session on Reserves and Resource Classification and Reporting on 16 June at the 21st World Petroleum Congress, Moscow,

(e) EGRC Bureau and Sub-groups:

- EGRC Bureau met on 21 January, 3 March and 24-25 March, preparations are underway for meeting mid-April.
- EGRC Communications Sub-Committee met on 30 January, preparations are underway for meetings on 4 April and 30 April.
- EGRC Task Force on Application of UNFC to Renewables met on 10 January, 24 January, 7 February, 14 February, 21 February, 7 March, 21 March and 2 April.
- EGRC Task Force on Application of UNFC to Nuclear Fuel Resources completed a draft Bridging Document between the NEA/IAEA Uranium Classification and UNFC-2009 – this document will be reviewed by the EGRC at its fifth session.
- EGRC Task Force on UNFC and Injection Projects met on 23 January and 21 March.
- EGRC Technical Advisory now established; held meetings on 27 February and 19 March.

2. Upcoming Events

See attached list of events at which UNFC will be presented in 2014 (as at 26 March).

3. Main Challenges

Ability for secretariat to: service the EGRC and its Bureau and sub-groups; respond to numerous requests for information and technical advice; develop a new database of contacts for renewables; prepare all documentation for meetings; organize workshops; update web pages; and identify speakers for various conferences around the world.

4. Resources

1 P4, 40% of a G3. It should be recognised that there are significant voluntary contributions from EGRC members/stakeholders (time, travel and sponsorship of events).

**List of Events 2014-15 including
Presentations on UNFC**

2014

1. Mineral Deposits Study Group (MDSG) Annual Conference (MDSG is specialist group of the Geological Society of London), Oxford, United Kingdom, 5–7 January 2014
2. IAEA Regional Project (Supporting sustainable uranium production in Africa) co-ordination Meeting and Workshop on "Future of Uranium Mining in Africa", Marrakech, Morocco, 24-28 February 2014
3. 62nd CCOP Steering Committee Meeting, Chiang Mai, Thailand, 4–6 March 2014
4. APPEX Global 2014, London, United Kingdom, 11–13 March 2014
5. AAPG Student Chapter at the University of Southampton Lecture on UNFC-2009, Southampton, United Kingdom, 12 March 2014
6. SPE Workshop “Petroleum Reserves and Resources Estimation—Petroleum Resources Management System (PRMS) Applications Guidelines Document and Case Studies”, London, United Kingdom, 19–20 March 2014
7. UNECE Workshop on Application of UNFC-2009 to Renewable Energy Projects, Washington, United States, 24–25 March 2014 (hosted by World Bank and sponsored by BP, DuPont, Shell and Total)
8. ERA-MIN Stakeholders Conference, Budapest, Hungary, 25–27 March 2014
9. PERC Annual General Meeting, Dublin, Ireland, 29 March 2014
10. Consultations with Indian Government on application of UNFC-2009 to solid minerals, New Delhi, 31 March–1 April 2014
11. Meeting with the Norwegian Petroleum Directorate and Nordic Mining Groups, Oslo, Norway, 3 April 2014.
12. AAPG Annual Convention and Exhibition, Houston, Texas, USA, 6–9 April 2014
13. Third Stakeholder Workshop, Statistical Information on EU Raw Materials Deposits (Minventory), Brussels, Belgium, 10 April 2014
14. Advanced Biofuels & Chemicals Leadership Conference (ABLC), Washington DC, United States, 21–23 April 2014
15. EAGE Fourth CO₂ Geological Storage Workshop, Stavanger, Norway, 23–25 April 2014
16. IAEA and UNECE Consultancy Meeting “Preparing a guidebook for application of UNFC-2009 for uranium and thorium projects”, Geneva, Switzerland, 28–29 April 2014
17. UNECE UNFC Workshop, Geneva, Switzerland, 29 April 2014 (as part of EGRC Fifth Session)
18. EGRC Fifth Session, Geneva, Switzerland, 29 April – 2 May 2014
19. SPE Swiss Section Lecture on “UNFC and COGEH Guidelines for Reserves other than Resources”, Geneva, Switzerland, 1 May 2014
20. Summit Forum of Science and Technology Innovations Leading the Development of Geothermal Industry in China, Jiangxi Province, China, 12–16 May 2014
21. SPE Hydrocarbon Economics and Evaluation Symposium (HEES), Houston, United States, 19–20 May 2014
22. 21st World Petroleum Congress, Moscow, Russian Federation, 15–19 June 2014 (special session on Reserves and Resource Classification and Reporting)

23. IAEA International Symposium on Uranium Raw Material for Nuclear Fuel Cycle: Exploration, Mining, Production, Supply and Demand, Economics and Environmental Issues (URAM), Vienna, Austria, 23–27 June 2014
24. Workshop on “Reinvigorating India’s Mining Sector through Integrated Sustainable Development and Good Governance”, organized by the Ministry of Mines, Government of India, the Indian Bureau of Mines and the Federation of Indian Mineral Industries (FIMI) in cooperation with the World Bank and UNECE, Nagpur, India, July 2014 (exact date tbc)
25. AAPG International Conference and Exhibition, Istanbul, Turkey, 14–17 September 2014 (Lunch time lecture on UNFC)
26. Unconventionals – Risks and Opportunities – September 2014 (venue and date tbc)
27. FINEX 2014, London, United Kingdom, 22–23 October 2014
28. ATCE, Amsterdam, the Netherlands, 27–29 October 2014 (abstract not accepted)
29. IAEA-UNECE Regional Workshop on “Application of United Nations Framework Classification-2009 (UNFC-2009) for Uranium Projects”, Johannesburg, South Africa, 10-14 November 2014
30. PETEX 2014, London, United Kingdom, 18–20 November 2014
31. EFG and PERC Conference 2014, Brussels, Belgium, 21–23 November 2014
32. UNFC Workshop for Minerals and Oil & Gas (CCOP, Department of Mineral Resources (DMR) and Department of Mineral Fuels), Bangkok, Thailand, November 2014
33. UNECE and State Commission of Ukraine on Mineral Resources supported by State Geological and Subsurface Survey international scientific-practical workshop “National and International Classifications of Subsoil Resources, State and Prospects of Usage. Adaptation to UNFC-2009”, Kiev, Ukraine **NEW DATE TO BE CONFIRMED**

2015

1. World Geothermal Congress, Melbourne, Australia, 19–25 April 2015

Group of Experts on Gas

1. Activities

- (a) The secretariat is organizing the first meeting of the Group of Experts on Gas (GEG) for April 14/15, 2014.
- (b) A task force under the previous Working Party on Gas had prepared a study on LNG. This study, while “final” has required editing and massaging to bring it to its current state. After the April 14/15 meeting there will be a final round of editing before it is definitively completed.
- (c) As part of the meeting of the GEG, there will be a roundtable discussion with upstream players. The CEOs or Ministers of key stakeholders in the LNG upstream have been invited to nominate participants in the roundtable.
- (d) The Secretariat has solicited nominations to the Bureau of the GEG. Nominations have been received from Spain, Azerbaijan, and the Russian Federation. Additional nominations from the US and Denmark are anticipated.
- (e) The Secretariat has gone through an extended process to develop the work plan for the Group of Experts on Gas. The Bureau of the Working Party on Gas had developed a list of possible activities in September 2013. The list was submitted to the Bureaux of the CSE and the GEG then to the GEG through a written procedure. A draft of the work plan has been submitted to the incoming chair of the GEG and the chair of the CSE, and will be sent to member States on April 4 as part of the conclusions and recommendations of the 1st meeting of the GEG.

2. Upcoming Events

The only upcoming event for the GEG is the meeting on April 14/15. The next meeting of the GEG will be scheduled for January 2015.

3. Main Challenges

- (a) Election of the Bureau of the GEG
- (b) Agreement on the work plan for the GEG
- (c) Assembly of the task forces to work on the work plan
- (d) Coordination of the GEG with the activities of the Gas Centre

4. Resources

1 P4, equivalent of 30% of G6, and 1 P5 as section chief

In the 1st quarter of 2014 none of these resources were available and the work has been picked up by other staff in the division.

Gas Centre

1. Activities

See attached *Gas Centre Programme of Activities 2014*.

- (a) Executive Board Meeting (Monday, 20 January 2014).
- (b) Request for Payment sent to Gas Centre member companies in January/February.
- (c) Preparations for the 10th Gas Centre Task Force on Supply, Infrastructure and Markets (SIM), hosted by the group GDF SUEZ, near Paris, on 15-16 May 2014. Topic: New infrastructure, new technologies: the path toward a sustainable development? European infrastructure operators face a contradiction: on one hand, they should invest in order to improve market integration and security of supply, while on the other hand the European Commission is drafting a 2050 road map where gas consumption is expected to have significantly decreased. The purpose of this meeting is to exchange ideas and to share experiences on “green” gas projects supporting a sustainable development of the gas market and gas infrastructure. The agenda of the meeting will be split in parts:
 - Development of bio-methane / bio-methane projects
 - Development of power to gas projects (production of hydrogen/production of synthetic methane)
 - Use of gas for transport (CNG for vehicles and LNG for heavy transport sector such as trucks or ships)

Companies involved in such projects will describe the main features of their project, including economics, legal barriers, and social constraints.

- (d) Database Technical Committee in Geneva 17-18 June 2014.
- (e) Preparations underway for 20th Anniversary of the Gas Centre and Industry Forum in the Russian Federation, St. Petersburg, on 7-8-9 October 2014.

Topics proposed: - The outlook for long term contracts in a globalizing market;
 - Role of Natural Gas in the International and European energy mix.

- (f) Preparations underway for 11th Gas Centre Task Force on Supply, Infrastructure and Markets (SIM) in India, will be hosted by GAIL (New member of the Gas Centre), on 25-28 November.

Topics proposed: LNG business in Europe and in Asia, and links with transportation.

- (g) Preparations underway for 4th Task Force on Gas Markets and Regulation, in Brussels, on 16 December 2014.

2. Upcoming Events:

- 9-10 April 2014 : Multi-year Expert Meeting on Commodities and Development; Recent Developments in Commodity Markets and Opportunities for Commodity-Based Trade and Development in Natural Resource Sectors, organized by UNCTAD.
- 14-15 April 2014 : Group of Experts on Gas, organized by UNECE SED.

3. Main Challenges

Attracting new members, identifying speakers for conferences around the world, reinforcing dialogue among gas companies, and initiating new links with stakeholders interested in the Gas Centre.

4. Resources

1 P3 and 1 G4, both extra-budgetary, and in-kind contributions from Gas Centre members (meetings hosted by companies).

Gas Centre Programme of Activities 2014

- **Executive Board Meeting** (Monday, 20 January).
- **10th Gas Centre Task Force on Supply, Infrastructure and Markets** (SIM), hosted by the group GDF SUEZ, near Paris, on 15-16 May 2014.
Topics: New technologies, new infrastructure.
With a technical visit of pipe laying construction related to the Arc de Dierrey (a major enhancement underway in northern France, following the construction of the LNG terminal in Dunkerque).
- **Database Technical Committee** in Geneva 17-18 June 2014.
- **20th Anniversary of the Gas Centre** and **Industry Forum** in the Russian Federation, St. Petersburg, on 7-8-9 October 2014.
Topics proposed:
 - The outlook for long term contracts in a globalizing market;
 - Role of Natural Gas in the International and European energy mix.
- **11th Gas Centre Task Force on Supply, Infrastructure and Markets** (SIM)
In India, hosted by GAIL (New member of the Gas Centre).
Topics proposed:
 - LNG business in Europe and in Asia, and links with transportation.25-28 November, hosted by GAIL.
- **4th Task Force on Gas Markets and Regulation**, in Brussels
Date: 16 December 2014.