

## **Economic Commission for Europe**

### **Committee on Sustainable Energy**

#### **Expert Group on Resource Classification**

##### **Fifth session**

Geneva, 29 April–2 May 2014

Item 19 of the provisional agenda

Education and outreach and activities of the Communications Sub-Committee

### **Expert Group on Resource Classification Stakeholders**

#### **Draft note by the secretariat**

#### **I. Introduction**

1. As per the Programme of Work for the Expert Group on Resource Classification for 2013–2014, under item (I) “Collaboration and cooperation with other bodies” it was agreed that a list of stakeholders who either participate actively in meetings of the Expert Group or who have expressed an interest in doing so is to be prepared for the fifth session of the Expert Group
2. This document presents a draft list of stakeholders who either participate or have participated in meetings of the Expert Group or related meetings, including workshops and seminars, or who have expressed an interest in doing so.
3. It is noted that this list is not comprehensive and feedback from Expert Group members is needed to ensure it is complete.

#### **II. Draft list of Expert Group on Resource Classification stakeholders**

4. Expert Group stakeholders include representatives of United Nations Economic Commission for Europe (UNECE) and non-UNECE member countries, industry, professional societies and associations, international organizations, non-international organizations, academia and civil society.

##### **A. Countries**

5. The following is a list of countries that have either: participated directly in meetings, seminars or workshops related to the United Nations Framework Classification for Reserves/Resources – Solid Fuels and Mineral Commodities (UNFC-1997) and/or the United Nations Framework Classification for Fossil Energy and Mineral Reserves and Resources 2009 (UNFC); applied UNFC-1997 directly; mapped their national classification systems for minerals, petroleum and/or uranium to UNFC-1997 or UNFC; applied UNFC-1997 or UNFC to selected deposits and/or expressed an interest in doing so:

- (1) Albania
- (2) Angola
- (3) Argentina
- (4) Australia
- (5) Austria
- (6) Azerbaijan
- (7) Belgium
- (8) Brazil
- (9) Bulgaria
- (10) Cambodia
- (11) Cameroon
- (12) Canada
- (13) Chad
- (14) Chile
- (15) China
- (16) Colombia
- (17) Czech Republic
- (18) Cuba
- (19) Denmark
- (20) The Democratic Republic of the Congo
- (21) Egypt
- (22) Estonia
- (23) Finland
- (24) Georgia
- (25) Germany
- (26) Greece
- (27) Hungary
- (28) India
- (29) Indonesia
- (30) Iraq
- (31) Japan
- (32) Kazakhstan
- (33) Kyrgyzstan
- (34) Laos PDR
- (35) Malaysia
- (36) Mauritania
- (37) Mongolia
- (38) Mozambique
- (39) Nepal
- (40) Norway
- (41) New Zealand
- (42) Niger
- (43) Nigeria
- (44) Paraguay
- (45) Philippines
- (46) Poland
- (47) Portugal
- (48) Romania
- (49) Russian Federation
- (50) Senegal
- (51) Slovenia
- (52) Slovakia
- (53) South Africa
- (54) Spain
- (55) Sri Lanka

- (56) South Sudan
- (57) Tajikistan
- (58) Thailand
- (59) Tunisia
- (60) Turkey
- (61) Turkmenistan
- (62) Uganda
- (63) Ukraine
- (64) United Kingdom
- (65) United States of America
- (66) Uzbekistan
- (67) Venezuela
- (68) Vietnam
- (69) Yemen
- (70) Zambia
- (71) Zimbabwe

## **B. United Nations system and Specialized Agencies**

6. The following United Nations regional commissions: Economic and Social Commission for Asia and the Pacific (ESCAP), Economic Commission for Latin America and the Caribbean (ECLAC), and Economic and Social Commission for West Asia (ESCWA), have been represented in UNFC workshops. The Economic Commission for Africa (ECA) has been invited to co-host and participate in the UNFC Workshop that will be held in Johannesburg, South Africa, 10–14 November 2014.

7. The United Nations Conference on Trade and Development (UNCTAD), United Nations Statistics Division (UNSD), and the International Atomic Energy Agency (IAEA) are active participants in the work of the Expert Group.

8. The European Commission, represented by the Directorate General (D.G.) Enterprise and Industry, D.G. Eurostat and D.G. Joint Research Centre, also participates.

## **C. International organizations, intergovernmental and non-governmental organizations, professional societies and associations:**

9. The following is a list of international organizations, intergovernmental and non-governmental organizations, professional societies and associations that have participated in meetings, seminars or workshops related to the Expert Group and UNFC-1997 and/or UNFC or have expressed an interest in doing so:

- (1) American Association of Petroleum Geologists (AAPG)
- (2) American Biogas Council
- (3) American Council on Renewable Energy (ACORE)
- (4) American Solar Energy Society (ASES)
- (5) Association of Chilean Engineers
- (6) Brazilian Wind Energy Association
- (7) Centre for Mineral Technology (CETEM)
- (8) Ceres
- (9) Committee for Mineral Reserves International Reporting Standards (CRIRSCO)
- (10) Confederation of UK Coal Producers
- (11) Coordinating Committee for Geoscience Programmes in East and Southeast Asia (CCOP)
- (12) Euracoal

- (13) Eurosolar
- (14) European Association of Geoscientists and Engineers (EAGE)
- (15) European Biomass Industry Association (EUBIA)
- (16) European Federation of Geologists (EFG)
- (17) European Investment Bank
- (18) Federation of Indian Mining Industries (FIMI)
- (19) Finnish Association of Extractive Resources Industry
- (20) German Coal Association
- (21) Ibero-American Programme for Science, Technology and Development (CYTED)
- (22) International Atomic Energy Agency (IAEA)
- (23) International Accounting Standards Board (IASB)
- (24) International Energy Agency (IEA)
- (25) International Energy Forum Secretariat (IEFS)
- (26) International Geothermal Association (IGA)
- (27) International Hydropower Association (IHA)
- (28) International Institute for Sustainability Analysis and Strategy (IINAS)
- (29) International Renewable Energy Alliance (REN Alliance)
- (30) International Renewable Energy Association (IRENA)
- (31) International Seabed Authority (ISA)
- (32) International Solar Energy Society
- (33) Latin American Mining Organization (OLAMI)
- (34) National Mining Society of Chile (SONAMI)
- (35) Norwegian Mining and Quarrying Industries/Norsk Bergindustri
- (36) Pan-European Reserves & Resources Reporting Committee (PERC)
- (37) REN21
- (38) Society of Exploration Geophysicists (SEG)
- (39) Society of Petroleum Engineers (SPE)
- (40) Society of Petroleum Evaluation Engineers (SPEE)
- (41) Swedish Association of Mines, Mineral and Metal Producers
- (42) Swiss Association of Energy Geoscientists
- (43) The World Bank
- (44) UNICA - Brazilian Sugarcane Industry Association
- (45) United States Geothermal Energy Association (GEA)
- (46) World Bioenergy Association (WBA)
- (47) World Energy Council (WEC)
- (48) World Petroleum Council (WPC)

### **C. Geological Surveys**

10. The following is a list of Geological Surveys which have been represented at meetings, seminars or workshops related to the Expert Group and UNFC-1997 and/or UNFC or have expressed an interest in doing so:

- (1) EuroGeoSurveys (EGS)<sup>1</sup>
- (2) Geological Survey of Canada

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<sup>1</sup> The Geological Surveys of Europe, is a not-for-profit organization representing 33 National Geological Surveys and some regional Surveys in Europe, including: Albania, Austria, Belgium, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Ireland, Italy, Lithuania, Luxembourg, Malta, The Netherlands, Norway, Poland, Portugal, Romania, Russian Federation, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom.

- (3) Geological Survey of Ethiopia
- (4) Geological Survey of India
- (5) Illinois State Geological Survey
- (6) Iraq Geological Survey
- (7) Geological Survey of Japan (AIST)
- (8) Geological Survey of Mongolia
- (9) Geological Survey of Montenegro
- (10) Nigerian Geological Survey Agency (NGSA)
- (11) Geological Survey of South Sudan
- (12) Geological Survey and Mineral Resources Board, Yemen
- (13) Geological Survey of Tanzania
- (14) United States Geological Survey

#### **D. Private Sector**

11. Representatives of the following have participated in meetings, seminars or workshops related to the Expert Group and UNFC-1997 and/or UNFC or have expressed an interest in doing so:

- (1) AB Sugar
- (2) Abengoa Bioenergy
- (3) Addax Petroleum
- (4) ADM
- (5) Aleff Group
- (6) Alterra Power Corporation
- (7) BG Group
- (8) Bloomberg New Energy Finance
- (9) BMC (Bio Metallurgy Company) Kazakhstan
- (10) BP Alternative Energy Intl. Ltd
- (11) BP Exploration Operating Co. Ltd
- (12) Brookwood Petroleum Advisors Ltd
- (13) Bunge Limited
- (14) Caucasus Mining Group Ltd
- (15) Capital Europe Conferences Ltd
- (16) Carbon Cycle Energy, LLC
- (17) Cargill
- (18) CITIGROUP
- (19) DeGolyer and MacNaughton Canada Limited
- (20) Deloitte
- (21) Dominion Generation
- (22) Don Ray George & Associates
- (23) DONG E&P (UK) Ltd
- (24) DONG Energy
- (25) Duke Energy
- (26) Duke Energy Renewables
- (27) DuPont Industrial Biosciences
- (28) East Meets West Solutions, LLC
- (29) ECOFYS
- (30) E4Tech
- (31) Enel Green Power North America, Inc
- (32) ENI spA
- (33) E.ON AG
- (34) Ernst & Young
- (35) Gaffney, Cline & Associates

- (36) GAIA EXPERT Research & Consulting Group
- (37) Gazprom
- (38) GDF Suez
- (39) Geosgil Consulting Ltd
- (40) GF Consultoria e Representação Ltda
- (41) IHS CERA
- (42) INA - Oil Industry plc
- (43) IPRES Norway AS
- (44) IRUS Consulting
- (45) Kazakhmys PLC
- (46) KazAtomProm
- (47) Kazmunaigas
- (48) IPC Petroleum Consultants, Inc.
- (49) Larix Energy Sàrl
- (50) Lundin Petroleum
- (51) MOL Plc
- (52) Novozymes North America Inc
- (53) Occidental Petroleum
- (54) Oil and Natural Gas Corporation Limited of India
- (55) OMV Austria E&P GmbH
- (56) Ontarao Power Generation
- (57) ORE Catapult
- (58) Oryx Petroleum
- (59) Petrobras
- (60) Petronavitas a.s
- (61) POET
- (62) Polish Oil and Gas Company
- (63) PRA International Ltd
- (64) Pricewaterhouse Coopers
- (65) Prize Reserves Management Ltd
- (66) Raizen
- (67) Repsol SA
- (68) Rio Tinto
- (69) Romgaz
- (70) Ross Petroleum (Scotland) Limited
- (71) RPS Energy
- (72) Rueff Consulting
- (73) RWE
- (74) Sandur Manganese & Iron Ores Limited
- (75) Schlumberger Information Solutions
- (76) Shell International Exploration & Production B.V.
- (77) Sibelco
- (78) Specsoft Software Solutions
- (79) SRK Consulting
- (80) Statoil ASA
- (81) Sullivan & Cromwell LLP
- (82) Syngenta AG
- (83) Teck Resources Limited
- (84) Total Exploration and Production
- (85) UPM-Kymmene Corporation
- (86) Weyerhaeuser Solutions

## E. Academia

12. The following is a list of universities and polytechnics that have been represented in meetings, seminars or workshops related to the Expert Group and UNFC-1997 and/or UNFC or at which lectures on UNFC-1997 and/or UNFC have been delivered by Expert Group members:

- (1) Addis Ababa University, Ethiopia
  - (2) AGH University of Science and Technology, Poland
  - (3) Al-Farabi Kazakh National University, Kazhstan
  - (4) Arizona State University, United States
  - (5) Chulalongkorn University, Thailand
  - (6) Clausthal University of Technology, Germany
  - (7) Curtin University, Australia
  - (8) Florida Polytechnic, United States
  - (9) Gubkin Russian State University of Oil and Gas, Russian Federation
  - (10) Ilia State University, Georgia
  - (11) Indian School of Mines, India
  - (12) Imperial College London, United Kingdom
  - (13) Kazakh-British Technical University, Kazakhstan
  - (14) Luleå University of Technology, Sweden
  - (15) Middle East Technical University, Turkey
  - (16) Mongolian University of Science and Technology, Mongolia
  - (17) National Technical University of Ukraine
  - (18) Norwegian University of Science and Technology (NTNU), Norway
  - (19) Shahid Beheshti University, Islamic Republic of Iran
  - (20) Tashkent State Technical University, Uzbekistan
  - (21) Technical University of Denmark (DTU)
  - (22) Universidad Nacional de San Martin, Argentina
  - (23) University of Alberta, Canada
  - (24) University of Athens, Greece
  - (25) University of Belgrade, Serbia
  - (26) University of Buenos Aires, Argentina
  - (27) University of Cambridge, United Kingdom
  - (28) University Complutense of Madrid, Spain
  - (29) University of Gabès, Tunisia
  - (30) University of Geneva, Switzerland
  - (31) University of Mining and Geology of Bulgaria
  - (32) University of Miskolc, Hungary
  - (33) University of Moratuwa, Sri Lanka
  - (34) University of Peradeniya, Sri Lanka
  - (35) University of Southampton, United Kingdom
  - (36) University of Texas at Austin, United States
  - (37) University of Tunis El Manar, Tunisia
  - (38) Webster University, Switzerland.
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