Education and outreach and activities of the Communications Working Group in 2018–2019

1. The Expert Group on Resource Management agreed to establish a Communications Sub-Committee at its first session, April 2010. The Sub-Committee is a subgroup of the Expert Group. It was further agreed that the Sub-Committee would be established by and report to the Bureau of the Expert Group between meetings of the Expert Group.

2. The terms of reference of the Communications Sub-Committee as approved by the Expert Group at its fifth session in 2014 are contained in Annex I to ECE/ENERGY/GE.3/2014/6. Communications Sub-Committee was renamed as Communications Working Group by the Expert Group Bureau in 2017.

3. The membership of the Communications Working Group is provided in Annex I.

4. This document provides an update on the education and outreach activities undertaken since the ninth session of the Expert Group.

I. Communications and education strategy

5. The revised Communications and Education Strategy developed by the Communications Working Group has the following key elements:

   • Objectives
     o Spread the word on United Nations Framework Classification for Resources (UNFC) and United Nations Resource Management System (UNRMS)
     o Attract experts to the various Working Groups and other activities of the Expert Group

   • Stakeholder groups and target audiences
     o Policy makers and experts in
       ▪ National Governmental institutions
       ▪ Regional inter-governmental bodies
       ▪ International organizations
       ▪ Professional associations
       ▪ Financial organizations
• Industry
  o Academia
  o Scientific community
  o Individual experts and researchers
  o Students
  o Media and influencers
  o Local communities
  o Indigenous Governments and Communities
  o General public
• Communication architecture
  o Vision Statement
  o Mission statement
  o Themes
    o New narrative for resource management
    o Promote innovation in resource management
    o Leverage smart financing
    o Develop diverse and inclusive human talent pool
    o Empower communities
• Key messages
  o UNFC and UNRMS are unique system for sustainable management of all resources
  o Assuring People-Planet-Prosperity hinged development
  o Connecting to Food-Water-Energy priorities
• Partners
  o European Commission
  o African Union Commission
  o Member States
• Channels and activities
  o Promotion at conferences and workshops
  o Publications and papers
  o Websites
  o Brochures
  o Social media
II. Current activities

6. Since issuing its report to the ninth session of the Expert Group on Resource Classification, the Communications Working Group has continued to conduct its work through regular e-mail correspondence, and teleconferences (including one face to face meeting).

7. The key education and outreach activities undertaken by the Communications Working Group include promotion of activities related to UNFC specifications with emphasis in expanding the theme of the workshops to include not only fossil and mineral resources but also Injection Projects, Anthropogenic Resources, Methane use in Coal Mines, Solar, waste prevention and raw materials as some examples to illustrate the expanded role that UNFC and UNRMS as an all-inclusive classification and resource management system.

8. The communication working group supported the CNH (Nacional Commission of Hydrocarbons, Mexico) with the planning of the UNFC Pilot project aimed to evaluate the potential use of UNFC as a classification system to support the license rounds considering the environmental and social aspects. The communication group also supported CNH with the definition of the agenda for the workshop and by contacting relevant members of the Expert Group on Resource Management to participate in the workshop.

9. Wikipedia article on UNFC has been published on 22 August 2018 - https://en.wikipedia.org/wiki/United_Nations_Framework_Classification_for_Resources (Fig. 1).

![Figure 1. Screen shot of UNFC Wikipedia page](image)

10. Additional activities included identifying new groups of experts to join the UNFC to help strengthen the expert groups in different key areas. A total of 25 new experts have been contacted by the communication working group in 2018.

A. Conferences and workshops

11. The key focus of the Working Group continues to be the promotion of UNFC and UNRMS including promoting the understanding of how the system works for all energy and raw material sectors including oil and gas, renewable energy, nuclear fuel resources, mineral resources, injection projects for geological storage of CO2 and anthropogenic resources – at conferences and workshops. Since 2018 and as part of the 2019 UNFC update (UNFC and UNRMS) the centre focus of the communications campaign will be on how UNFC and UNRMS classification systems are useful tools to aid the attainment of the relevant
Sustainable Development Goals (SDG’s). The Working Group also works to identify opportunities and speakers to deliver presentations and workshops.

a) New workshops are in the planning for 2019/2020 to promote the use of UNFC classification system for CO2 storage projects in Canada and China. These and any other workshops to promote the use of UNFC and UNRMS will be now coordinated and executed by the International Centres of Excellence.

b) A workshop on Fundamentals of Anthropogenic resources was co-organized in Vienna in September 2018 by the pan-European expert network Mining the European Anthroposphere (www.minea-network.eu) and the European project on Global material flows and demand-supply forecasting for mineral strategies.

12. A list of the conferences at which a presentation on UNFC and/or the work of the Expert Group was delivered in 2018–2019 is provided in Annex II. Major workshops include:

a. UNFC Workshop in collaboration with CNH, Mexico City, Mexico, 18-20 June 2018.

b. Fundamentals of Anthropogenic resources workshop co-organized in Vienna, September 2018 by the pan-European expert network Mining the European Anthroposphere (www.minea-network.eu) and the European project on Global material flows and demand-supply forecasting for mineral strategies.

c. Workshop on Application of the UNFC for Resources; CCOP – KIGAM – UNECE – PETRAD workshop, Busan, Republic of Korea, 30 October 2018. The primary goal for the workshop was to present the UNFC and its application to Resource Management for managers and professionals in public sector, industry and academia.

13. To deliver on the educational aspect of the Communications and Education Strategy, the following upcoming events deserve special mention:

d. The UNECE Resource Management Week 2019 (Geneva, 29-3rd April) will feature:
   • Workshop “UNFC Training”, Geneva, Switzerland, 29th April 2019. This training is organized in cooperation with PETRAD

14. A copy of all the presentations delivered at the workshops is posted to a dedicated page on the UNECE website. Where appropriate, UNECE press releases are issued either immediately prior to or immediately following the close of the event. Articles are also prepared for publication in the ECE’s weekly newsletter “UNECE Weekly”.

B. Presentations, articles and other promotional and educational material

15. The following press releases, which are available to view on the UNECE website, were issued by UNECE in 2018–2019:


f) UNFC specifications on use of resources from waste to support the circular economy https://www.unece.org/?id=49842

g) China bridges its mineral and petroleum resource classification systems to UNFC https://www.unece.org/?id=49857

(h) Ukraine aligns its national mineral resources classification system to an improved UNFC - https://www.unece.org/?id=50294


D. Website and other promotional material

17. Changes continue to be made to update and improve the Expert Group and UNFC web pages on the UNECE website\(^1\), notably about accessibility, re-organization of existing information and the addition of new material as regularly as possible.

\(^1\) http://www.unece.org/energy/se/reserves.html
18. Options for developing other promotional material are under evaluation including both at Conferences and developing a promotional video for UNFC that can be presented in Conferences and workshops and posted in the UNECE website. These initiatives are under evaluation.

UNFC article in Wikipedia in English has been finalized in August 2018 and is now online. Translations to other languages are planned for 2019/2020.

III. Future work plans

19. The Communications Working Group will carry on working according to its Terms of Reference and will continue its efforts to implement the agreed Communications and Education Strategy.

20. Regular and/or annual meetings of relevant societies and professional associations will be identified to ensure that a presentation on UNFC is included.

21. Efforts will continue to prioritize events to attend in 2019 and 2020 (Annex II).

22. The Communications Working Group will focus on facilitating various Expert Group sub-groups in reaching out to appropriate stakeholders. The Communications Working Group will continue working on attracting new experts to Expert Group annual meetings in key areas.

23. Update of promotional materials consistent with requirements of the Expert Group on Resource Management

24. Work to be undertaken:

   (i) Support the development of the vision and mission statements of the Expert Group.

   (ii) Develop and implement a strategy to attract experts to voluntarily work in the various Working Groups of the Expert Group.

   (iii) Develop, maintain and update standard presentations on UNFC and UNRMS.

   (iv) Conduct webinars on UNFC and UNRMS.

   (v) Contribute to workshops, seminars and other outreach events on UNFC and UNRMS e.g. development of programmes and agendas. Participation in events would be subject to the availability of extrabudgetary resources.

   (vi) Identify events at which papers on UNFC and UNRMS could be presented and contribute to the writing of the papers and presentations.

   (vii) Support the development of news stories and other material for ECE's web pages on sustainable resource management.

   (viii) Develop promotional materials such as brochures and leaflets.

The Working Group will report to the Bureau of the Expert Group between annual sessions of the Expert Group.

Deliverables:

   (i) Annual report on the education and outreach activities.

   (ii) Updated standard presentations on UNFC and UNRMS.

   (iii) Regular webinars.
(ii) Develop programmes/agendas for workshops, seminars and other outreach events on UNFC and UNRMS. Participate in events subject to the availability of extrabudgetary resources.

(iii) Identify events to promote UNFC and UNRMS and prepare or contribute to papers and presentations.

(iv) New stories and other material for ECE website and promotional material such as brochures and leaflets.

Timeline:


(ii) Updated standard presentations on UNFC and UNRMS posted to the ECE website: April 2020 and ongoing.

(i) Webinars organized: April 2020 to ongoing.

(ii) Contributed to conferences, workshops and seminars: April 2020 to ongoing.

(iv) News stories and promotional materials on UNFC and UNRMS: April 2020 and ongoing.
Annex I

Communications Working Group Members

Chair
Carolina COLL, IFC

Members
Benoit CHARPENTIER, Total
Cristina ROBINSON, SPE Chair of Swiss Section
Daniel TROTMAN, Ernst & Young LLP
David MACDONALD, Chair, Expert Group on Resource Classification and BP
Hua YANG, Petrochina
Jennifer MCCOY, Ernst & Young LLP
Maria Isabel FERNANDEZ, EFG
Sigurd HEIBERG, Petronavit a.s.
Tana, GARCIA LASTRA, Cores
Thomas SCHNEIDER, Ryerson University
Ulises NERI, CNH
Secretary, Expert Group on Resource Classification
Annex II

Conferences and other events in 2018-2019 at which UNFC was or will be presented and/or promoted

2018

1. 33rd Nordic Geological Winter Meeting, Copenhagen, Denmark, 10–12 January 2018


3. Advanced Bioeconomy Leadership Conference, Washington, United States, 28 February–2 March 2018

4. Annual Meeting of Aggregates Miners, Velence, Hungary, 1–2 March 2018

5. Petrad Workshop on UNFC, Stavanger, Norway, 12–13 March 2018


7. ITB Geothermal Workshop in Bandung, Indonesia, 21–22 March 2018

8. International Conference on Waste Management and Technology (ICWMT), Beijing, China, 21–24 March 2018

9. IFA meeting on Phosphogypsum in the circular economy: Technical and policy options, Engis, Belgium, 22 March 2018

10. IEC Technical Committee 114 Plenary Meeting, Seattle, United States, 19–23 March 2018

11. IFA International Phosphogypsum Working Group Meeting, Madrid, Spain, 9–10 April 2018

12. ICCS - Clean Coal Technologies Summit and Fair, 10–11 April 2018, Istanbul, Turkey


15. Introduction to Application of the United Nations Framework Classification for Resources (UNFC), Training organized in cooperation with PETRAD, Geneva, Switzerland, 23 April 2018

16. AMREC Workshop, Geneva, Switzerland, 23 April 2018

17. EGRC Anthropogenic Resources Working Group Meeting, Geneva, Switzerland, 23 April 2018

18. UNECE-IAEA Consultancy meeting on application of UNFC to Nuclear Fuel Resources, Geneva, Switzerland, 23–27 April 2018

19. Symposium on the availability of raw materials from secondary sources a key aspect of the circular economy, Geneva, Switzerland, 24 April 2018


21. Seminar of Ministries of the Environment and Federal Environmental Agency, Germany, Switzerland and Austria, Vienna, Austria, 8 May 2018

22. Fifth Annual Ryder Scott Reserves Canada Conference, Calgary, Canada, 17 May 2018

23. ALTA 2018: Nickel, Cobalt, Copper, Uranium, Rare Earths, Lithium, Gold and Precious Metals, Perth, Australia, 19–26 May 2018

24. MIN-GUIDE Mining and Mineral Information in the EU, Madrid, Spain, 23–24 May 2018

25. UNECE-GKZ International Scientific-Practical Conference on Harmonization of Approaches in the Assessment of Mineral Reserves and Resources UNFC Workshop, Moscow, Russian Federation, 30–31 May 2018

26. National Intelligence Service Korea & Affiliated Think Tank DPRK Resources Valuation Presentation, Gangnam, South Korea, 7 June 2018
(http://www.inss.re.kr/eng/index.htm and http://eng.nis.go.kr)

28. UNFC Workshop, Mexico City, Mexico, 18–20 June 2018

29. 25th World Mining Congress, Astana, Kazakhstan, 19–22 June 2018

30. World Forum on Raw Materials (FORAM) Pilot Event, Nancy, France, 27 June 2018


32. GeoERA Projects Kick-off meeting, Brussels, Belgium, 3 July 2018

33. African Union-UNFC-AMREC Working Group Workshop, Aveiro, Portugal, 23–25 July 2018

34. Sinopec Reserves Training Course, Beijing, China, 27–28 August 2018

35. 4th Meggener Raw Material Days, Lennestadt-Meggen, Germany, 12-14 September 2018

36. MINEA and MinFuture Joint Workshop on Fundamentals for Anthropogenic Resource Assessment at the National Level, Vienna, Austria, 18 September 2018

37. SPE PRMS Workshop, London, UK, 18–19 September 2018

38. China Mining, Tianjin, China 23–25 September 2018

39. SPE ATCE, Dallas, Texas, USA, 24–26 September 2018

40. Twenty-seventh session UNECE Committee on Sustainable Energy, Geneva, Switzerland, 26–27 September 2018

41. 41st ISO General Assembly Side Event on Standards for the SDGs “SDG 7 Affordable and clean energy”, Geneva, Switzerland, 26 September 2018
42. SPE Reserves & Resources Evaluation and Reporting Workshop, 2018, Beijing, China tbc

43. University of Seville – University of Huelva – Beijing Institute of Chemical Engineering and Metallurgy (BRICEM) Professional Development Training, Seville-Huelva, Spain 1 – 30 October 2018

44. Mineral Wealth Conference, Kampala, Uganda, 2–3 October 2018

45. UNECE presentation to UN Member States, New York, United States of America, 8 October 2018

46. Australian Geoscience Council Convention (AGCC): Big Issues and Ideas in Geoscience, Adelaide, Australia, 14–18 October 2018

47. Intergovernmental Forum on Mining, Metals, Minerals and Sustainable Development Annual General Meeting, Geneva, Switzerland, 15–18 October 2018

48. African Union Specialised Technical Committee meeting of Trade Industry and Minerals (STC- TIM), in Addis Ababa, Ethiopia, 15–19 October 2018

49. EuroGeoSurveys General Assembly Meeting, Bratislava, Slovakia, 16–17 October 2018

50. Petrad UNFC Training Course, Stavanger, Norway, 17–18 October 2018

51. IBC Working Committee on Energy, Landau, Germany, 18 October 2018

52. SusCritMat Autumn School for Professionals on Sustainable Management of Critical Raw Materials, TU Delft, Netherlands, 24–26 October 2018

53. 54th CCOP Annual Session, Busan, South Korea, 28 October–1 November 2018, including UNFC Workshop on 30 October 2018

54. Norwegian Accounting Standards Board (NASB), Outreach Event on Extractive Activities, Stavanger, Norway, 31 October 2018

55. MinFuture Meeting, Brussels, Belgium, 5-6 November 2018
56. Optimizing quality of information in RAw MAterial data collection across Europe (ORAMA), Ljubljana, Slovenia, 7–8 November 2018

57. AMREC Working Group Meeting, Dakar, Senegal, 5-7 November 2018

58. Organisation of African Geological Surveys (OAGS) Annual Meeting, Dakar, Senegal, 8-10 November 2018

59. Recy & DepoTech 2018, Leoben, Austria, 7–9 November 2018


61. Third Eurasian Mining and Geological Forum, Minsk, Belarus, 14–16 November 2018


63. IAEA Coordination Meeting and Workshop on Techno-Feasibility Studies for Uranium Projects in Africa, Swakopmund, Namibia, 18–23 November 2018

64. ECLAC Conference "La minería en América Latina y el Caribe: interdependencias, desafíos y oportunidades para el desarrollo sostenible", Lima, Peru, 19 November 2018

65. CAMMA “IX Mines Ministries of the Americas Conference”, Lima, Peru, 20 November 2018

66. First Annual International Conference of the Ghana Institution of Geoscientists, Kumasi, Ghana, 21-23 November 2018

67. 24th session of the Conference of the Parties (COP24) to the UNFCCC, Katowice, Poland, 3–4 December 2018

68. IGA, World Bank and IRENA Regional Geothermal Resource Data Gathering, UNFC Classification and Training - Caribbean Islands Pilot Workshop, Castries, Saint Lucia, 5–7 December 2018
2019


4. Presentation to the Chairman and Upper Management, King Abdullah City for Atomic and Renewable Energy (KACARE), Riyadh, Kingdom of Saudi Arabia, 26 January 2019.

5. Workshop on Case Studies on Chinese UNFC Bridging Documents, Beijing, China, 29 January 2019

6. IGA, World Bank and IRENA UNFC Geothermal Workshop, Addis Ababa, Ethiopia, 4–7 February 2019

7. SPE ATW Petroleum Resources – Latest and Best Practices, Abu Dhabi, United Arab Emirates, 18–19 February 2019

8. PDAC 2019, Toronto, Canada, 3–6 March 2019

9. IAEA Regional Training Course on Uranium Exploration and Mining – Aligning to Sustainable Development Goals Agenda, Addis Ababa, Ethiopia, 4–8 March 2019


13. Political and Technical Dialogue on Geothermal, Tegucigalpa, Honduras, 22 March 2019

14. Presentation to St Petersburg University, Russian Federation, 30 March 2019

15. International Electrotechnical Commission (IEC) Technical Committee 114 Plenary Meetings, Delft, Netherlands, 8–12 April 2019


17. UNECE Resource Management Week 2019 including Expert Group on Resource Classification, Tenth session, Geneva, Switzerland, 29 April–3 May 2019


19. IASB Workshop for IFRS Project Teams and Board of Advisors, London, United Kingdom, 13 May 2019

20. UNECE Committee on Sustainable Energy Open-ended Consultations, Geneva, Switzerland, 16 May 2019


23. Argentina Energy 2019, Mendoza, Argentina, TBC August 2019


25. Sixth International Congress on Environment and Social Responsibility in Mining, Santiago, Chile, 4–6 September 2019
26. Oil and Gas Forum, Tyumen, Russian Federation, 17–19 September 2019

27. Twenty-eighth session UNECE Committee on Sustainable Energy, Geneva, Switzerland, 25–27 September 2019


29. SPE ATCE, Calgary, Alberta, Canada, 30 September–2 October 2019

30. IAEA International Conference on Climate Change and the Role of Nuclear Power, Vienna, 7–11 October 2019

31. Intergovernmental Forum on Mining, Metals, Minerals and Sustainable Development Annual General Meeting, Geneva, Switzerland, 15–19 October 2019

32. World Resources Forum, Lausanne and Geneva, Switzerland, 22–24 October 2019


2020

1. 36th session of the International Geological Congress, Delhi, India, 2–8 March 2020
Annex III

Publications where UNFC has been mentioned in 2018–2019


25. Heiberg, S., Beyond Classification – Managing Resources Sustainably Oil and Gas Exposition (in Russian)


58. Saluga, P. W., Uberman, R., & Mazurek, S. ARTYKUŁY INFORMACYJNE.


69. Winterstetter, A. (2018) LANDFILL MINING-FROM PROSPECTION TO ACTUAL MINING.


73. Захарова, О. А., Панфилова, Е. С., Степанова, В. С., & Кисурина, А. А. (2018). ПОСТОЯННО ДЕЙСТВУЮЩАЯ МОДЕЛЬ ЗАПАСОВ И РЕСУРСОВ ПРОАКТИВ-ИНСТРУМЕНТ НЕПРЕРЫВНОГО АНАЛИЗА ДЛЯ


