

## **Economic Commission for Europe**

### **Committee on Sustainable Energy**

#### **Expert Group on Resource Management**

##### **Tenth session**

Geneva, 29 April to 03 May 2019

Item 14 of the provisional agenda

##### **Education and outreach**

### **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
  - Spread the word on United Nations Framework Classification for Resources (UNFC) and United Nations Resource Management System (UNRMS)
  - Attract experts to the various Working Groups and other activities of the Expert Group
- Stakeholder groups and target audiences
  - Policy makers and experts in
    - National Governmental institutions
    - Regional inter-governmental bodies
    - International organizations
    - Professional associations
    - Financial organizations

- Industry
  - Academia
  - Scientific community
  - Individual experts and researchers
  - Students
  - Media and influencers
  - Local communities
  - Indigenous Governments and Communities
  - General public
- Communication architecture
  - Vision Statement
  - Mission statement
  - Themes
    - New narrative for resource management
    - Promote innovation in resource management
    - Leverage smart financing
    - Develop diverse and inclusive human talent pool
    - Empower communities
- Key messages
  - UNFC and UNRMS are unique system for sustainable management of all resources
  - Assuring People-Planet-Prosperty hinged development
  - Connecting to Food-Water-Energy priorities
- Partners
  - European Commission
  - African Union Commission
  - Member States
- Channels and activities
  - Promotion at conferences and workshops
  - Publications and papers
  - Websites
  - Brochures
  - 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](https://en.wikipedia.org/wiki/United_Nations_Framework_Classification_for_Resources) (Fig. 1).

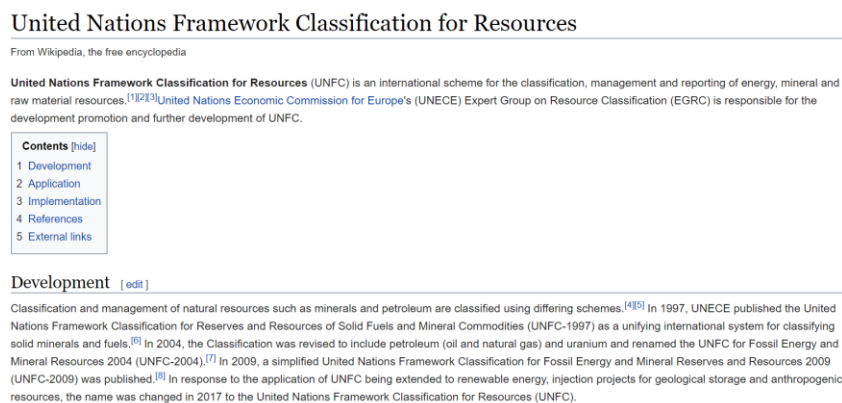


Figure 1. Screen shot of UNFC Wikipedia page

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 CO<sub>2</sub> 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](http://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](http://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, 29<sup>th</sup> April 2019. This training is organized in cooperation with PETRAD
    - Workshop on “UNFC-UNRMS: UNDA Energy and Water training”, Geneva, Switzerland, 30<sup>th</sup> April 2019.
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:

- (a) A phase shift in sustainable resource management 28 April 2018 - <https://www.unece.org/info/media/news/sustainable-energy/2018/a-phase-shift-in-sustainable-resource-management/doc.html>

(b) UNFC to help drive smart investments into mineral and energy projects 14 June 2018 - <https://www.unece.org/info/media/news/sustainable-energy/2018/unfc-to-help-drive-smart-investments-into-mineral-and-energy-projects/doc.html>

(c) URAM-2018 Wraps Up: The Future of Uranium as a Sustainable Source of Energy 29 June 2018 - <https://www.iaea.org/newscenter/news/uram-2018-wraps-up-the-future-of-uranium-as-a-sustainable-source-of-energy>

(d) Mexico testing of the use of UNFC to manage the social and environmental aspects of petroleum projects 04 July 2018 - <https://www.unece.org/info/media/presscurrent-press-h/sustainable-energy/2018/mexico-to-test-the-use-of-unfc-to-manage-the-social-and-environmental-aspects-of-petroleum-projects/doc.html>

(e) Work is advancing to develop UNFC-based comprehensive resource management system for Africa 31 July 2018 - <https://www.unece.org/info/media/news/sustainable-energy/2018/work-is-advancing-to-develop-unfc-based-comprehensive-resource-management-system-for-africa/doc.html>

(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>

(i) New approaches for managing critical raw materials are essential for sustainable development - <https://www.unece.org/info/media/news/sustainable-energy/2018/new-approaches-for-managing-critical-raw-materials-are-essential-for-sustainable-development/doc.html>

(j) Towards the use of the UN Framework Classification for Sustainable Resources Management in Europe - <https://www.unece.org/info/media/presscurrent-press-h/sustainable-energy/2018/towards-the-use-of-the-un-framework-classification-for-sustainable-resources-management-in-europe/doc.html>

(k) Leveraging integrated energy, mineral and groundwater resource management using UNFC - <https://www.unece.org/info/media/news/sustainable-energy/2018/leveraging-integrated-energy-mineral-and-groundwater-resource-management-using-unfc/doc.html>

(l) Is nuclear energy essential for deep decarbonization? <http://www.unece.org/info/media/news/sustainable-energy/2018/is-nuclear-energy-essential-for-deep-decarbonization/doc.html>

16. UNFC-2009 was referenced in many books, book chapters, journal papers and articles in 2018–19. A partial list is provided in Annex III.

#### **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<sup>1</sup>, notably about accessibility, re-organization of existing information and the addition of new material as regularly as possible.

<sup>1</sup> <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.

(i) Regular webinars.

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- (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:**

- (i) Annual reports of the Communications Working Group presented to the Expert Group: April 2020 and April 2021.
- (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



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## 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
2. International Electrotechnical Commission (IEC) Renewable Energy (IECRE), Geneva, Switzerland, 28 February–1 March 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
6. Global GypSupply Conference & Exhibition 2018, Brussels, Belgium, 13–14 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
13. Global Methane Forum, Toronto, Canada, 16–18 April 2018, Geneva, Switzerland

14. UNECE Resource Management Week 2018 including Expert Group on Resource Classification, Ninth session, Geneva, Switzerland, 23–27 April 2018
  
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
  
20. UNFC Workshop – UNFC for Sustainable Development incorporating Special Workshop on Waste Valorization and Critical Raw Materials, 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>)

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27. Resources for Future Generations: Session on Classification, Management and Sustainable Development of the Global Resource Endowment – Unification and Standardization of Terminology and Practice, Vancouver, Canada, 16–21 June 2018
  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
  31. International Symposium on Uranium Raw Material for Nuclear Fuel Cycle: Exploration, Mining, Production, Supply and Demand, Economics and Environmental Issues (URAM-2018), IAEA Headquarters, Vienna, Austria, 25–29 June 2018 (Supported by UNECE, OECD-NEA and WNA)
  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

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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
  60. Energy Ministerial and 9th International Forum on Energy for Sustainable Development, Kyiv, Ukraine, 12–15 November 2018 (Critical Raw Materials for Sustainable Energy Systems Workshop, 12 November and Training on application of UNFC for Sustainable Resource Management, 15 November)
  61. Third Eurasian Mining and Geological Forum, Minsk, Belarus, 14–16 November 2018
  62. UNFC for Sustainable Resource Management in Europe Workshop (16 November) at the European Commission Raw Materials Week 2018, Brussels, Belgium, 12–16 November 2018 (<http://eurawmaterialsweek.eu/events.html>)
  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

69. UNECE Executive Committee Meeting, Geneva, Switzerland, 14 September 2018

**2019**

1. 34th Geological Society of Norway Winter Meeting, Bergen, Norway, 7–9 January 2019.
2. IAEA Interregional Workshop on Life Management and Governance of Uranium Production and Other Activities Involving Naturally Occurring Radioactive Materials, Bangkok, Thailand, 12-19 January 2019.
3. IAEA Technical Meeting on Uranium Production Feasibility Studies: Processing, Economic, Social and Environmental Aspects, Vienna, Austria, 21-25 January 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
10. CCOP-DGM-ASOMM Workshop for ASEAN Mineral Resource Evaluation, Vientiane, Lao PDR; 11–14 March 2019
11. UNEP General Assembly: UNFC-AMREC Side Event, Nairobi, Kenya, 11–15 March 2019

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12. Petrad Training Course on National Management of Petroleum Resources, Application of UNFC for Resource Management, Stavanger, Norway, 11–22 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
  16. European Federation of Geologists (EFG) and Petrad Training Course on Application of UNFC for Resource Management, Geneva, Switzerland, 27–28 April 2019
  17. UNECE Resource Management Week 2019 including Expert Group on Resource Classification, Tenth session, Geneva, Switzerland, 29 April–3 May 2019
  18. Conference “Best practice guidelines for Mineral Exploration and Mining perspectives in Estonia”, 16 – 17 May 2019, Tallinn, Estonia
  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
  21. ALTA 2019 Metallurgical Conference, Perth, Australia, 18–25 May 2019
  22. 81st EAGE Conference & Exhibition 2019, London, UK, 3–6 June 2019
  23. Argentina Energy 2019, Mendoza, Argentina, TBC August 2019
  24. World Water Week, Stockholm, Sweden, 25–30 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
28. Reserves evaluation methods. LSBU Seminar. London 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
33. European Commission Raw Materials Week 2019, Brussels, Belgium, 18–22 November 2019

**2020**

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



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## Annex III

### Publications where UNFC has been mentioned in 2018–2019

1. Ademila, O., Akingboye, A. S., & Ojamomi, A. I. (2018). Radiometric survey in geological mapping of basement complex area of parts of Southwestern Nigeria. *VIETNAM JOURNAL OF EARTH SCIENCES*, 40(3), 288-298.
2. Agemar, T., Weber, J., & Moeck, I. (2018). Assessment and Public Reporting of Geothermal Resources in Germany: Review and Outlook. *Energies*, 11(2), 332.
3. Äijälä, H. (2018). THE DEVELOPMENT OF THE SORTING INDEX FOR KELIBER'S SPODUMENE PEGMATITE ORE.
4. Arora, N. K., Fatima, T., Mishra, I., Verma, M., Mishra, J., & Mishra, V. (2018). Environmental sustainability: challenges and viable solutions. *Environmental Sustainability*, 1-32.
5. Ashish, D. K. (2019). Concrete made with waste marble powder and supplementary cementitious material for sustainable development. *Journal of Cleaner Production*, 211, 716-729.
6. Baraković, D. (2018). POTENTIAL OF CARBONATE RAW MATERIALS OF GRAČANICA, DEPOSIT" SKLOP. ARHIV ZA TEHNIČKE NAUKE/ARCHIVES FOR TECHNICAL SCIENCES, 1(19).
7. Bide, T., Horvath, Z., Brown, T., Idoine, N., Lauko, A., Sores, et.al. (2018). ORAMA project deliverable 1.2. Final analysis and recommendations for the improvement of statistical data collection methods in Europe for primary raw materials.
8. Blystad, P., Heiberg, S., Tulsidas, H., Griffiths, C., "The United Nations Framework Classification for Resources (UNFC) – Status and recent developments" 54th CCOP Annual Session, 30th October 2018, Busan, Republic of Korea
9. Breitenstein, A. (2018). Strategische Planung von Landfill-Mining-Vorhaben. In *Strategische Planung von Landfill-Mining-Vorhaben* (pp. 57-85). Springer Gabler, Wiesbaden. (Breitenstein, A. (2018). Strategic planning of landfill mining projects. In *Strategic Planning of Landfill Mining Projects* (pp. 57-85). Springer Gabler, Wiesbaden.)
10. Budinis, S., Krevor, S., Mac Dowell, N., Brandon, N., & Hawkes, A. (2018). An assessment of CCS costs, barriers and potential. *Energy strategy reviews*, 22, 61-81.
11. Bundschuh, J., & Tomaszewska, B. (Eds.). (2018). *Geothermal Water Management*. CRC Press.
12. Chatterjee, A. K. (2018). *Cement Production Technology: Principles and Practice*. CRC Press.
13. Chiwambo, C. (2018). Regional Framework for the Classification of Uranium Deposits: Africa's Approach to Adopting UNFC-2009 through Implementation of African Mining Vision (No. IAEA-CN--261).

14. DiLuzio, D. (2018). An Update of the Global Standard in Reserves/Resources Classification and Definitions. *Journal of Petroleum Technology*, 70(09), 74-77.
15. Dudar, T., Lysychenko, G., & Buhera, M. (2018). Uranium Deposits of Ukraine: Geology, Mineralogy, and Mining Aspects.
16. Galos, K. (2018). O potrzebie wyceny złóż kopalin objętych własnością górnictwem Skarbu Państwa. *Zeszyty Naukowe Instytutu Gospodarki Surowcami Mineralnymi i Energią PAN*. (Galos, K. (2018). On the need for valuation of mineral deposits falling under the ownership of the State Treasury. *Scientific Papers of the Institute for Mineral Resources and Energy, Polish Academy of Sciences*.)
17. Goswami, A. (2018). Fuel Pricing in India. The Energy and Resources Institute (TERI).
18. Hajto, M. (2018). Potencjał geotermalny Polski oraz możliwości adaptacji międzynarodowej klasyfikacji zasobów geotermalnych UNFC-2009. *Nafta-Gaz*, 74. (Hajto, M. (2018). The geothermal potential of Poland and the possibilities of adapting the international classification of geothermal resources UNFC-2009. *Nafta-Gaz*, 74.)
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