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# UNFC Minerals Working Group

Annual Report 2019

Resource Management Week 2019

**RESOURCES FOR SUSTAINABLE DEVELOPMENT**

10<sup>th</sup> Session of the Expert Group on Resource Management

29 April – 3 May 2019, Palais des Nations, Geneva



# Minerals Working Group

## Annual Report



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### Members of the Minerals Working Group (36):

Allendorf-Schicht	Anne	Geologist	K-UTEC	Germany					
Allington	Ruth	Geologist	CRIRSCO	UK					
Arcasoy	Arda	Geologist	Consulting	Turkey					
Bayanjargal	Gerlee		CRIRSCO Mongolia	Mongolia					
Beier	Florian	Min.Eng.	DMT	Germany					
Broadhurst	Phil		between roles						
Bushuev	K.		ESOEN	Russia					
Coulibaly	Ibrahima		Ministry in charge of mines / Mines a	Côte d'Ivoire					
Dahlius	Arif Zardi	Geologist	KCMI	Indoneasia					
Dixon	Roger		CRIRSCO South Africa	South Africa					
Ersoy	Mucella		Turkish Coal Enterprises	Turkey					
Fairclough	Martin	Geologist	IAEA	Austria					
Falck	Hendrik		NWT Geological Survey	Canada					
Gotsis	Johann	Geologist	GlobalRock	Germany					
Hanghoj	Karen		EIT Raw Materials	Germany					
Haschke	Michael	Geologist	DMT	Germany					
Hucke	Andreas		DMT	Germany					
					Johnson	Aaron	Geologist	AIPG	USA
					Kosmol	Jan		German Environment Agency	Germany
					Lax	Kaj		Geological Survey of Sweden	Sweden
					Lebedev	Egor		Department of Metals, State Commis	Russia
					Lothion	Brenda	Geologist		France
					Mihalasky	Mark	Geologist	USGS	USA
					Mulsow	Sandor		International Seabed Authority	Jamaica
					Neumann	Michael	Geologist	EFG	Belgium
					Niu	Yuqing		Beijing Res. Inst. of Chem. Engin. &	China
					Okunlola	Olugbenç	Geologist	Geological Society of Africa (GSaf)	Nigeria
					Penndorf	Anke	Geologist	K-UTEC	Germany
					Ring	Bob		ANSTO Minerals	Australia
					Schürmann	Bernd	Geologist	AMSTRA	Germany
					Sobral	Luis		CETEM	Brazil
					Swamidharma	Yoseph		KCMI	Indoneasia
					Teigler	Bernd	Geologist	DMT	Germany
					Tulsidas	Harikrish	Geologist	UNEP	Switzerland
					Zauner	Micha		UIT / General Atomics	Germany / USA

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- Past Actions 2018/19
  - Tele-conferences
  - Terms of Reference Working Group
  - Mineral Specification Paper Working Group
  - The UNFC / BDG Seminar in Lennestadt / Germany 12.09.2018
  - The UNFC / EFG / EU Workshop in Brussels 16.11.2018
  - The UNFC Workshop in Geneva 29.04.2019
  - Face – to – Face Meeting of the MWG Geneva 29.04.2019

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## ■ The Meggen Raw Material Days 2018

**EuroWorkshop UNFC: Application of the United Nations Framework Classification (UNFC) for Comprehensive Resource Management**

**Welcome and introductions**

**Classification background**

**UNFC Explained**

**Quality assurance, aggregation, accounting and disclosure**

**Competence as a resource management tool**

**Relationship between the UNFC and classifications bridged to international, national systems**

**UNFC - AMREC - a unique continental system for the sustainable management of minerals and energy value chain in Africa**

**Current challenges in the mining industry and future application of UNFC in the Philippines**

**Applications in policy formulation: 2030 Agenda and Paris agreement and the changing resource management policy landscape**

**Applications in Government resource management**

**Application in corporate business process management**

**Financial reporting and capital allocation challenges**

**Sustainable resource management and international collaboration**

**(EurGeol. Dr. Michael Neumann and Harikrishnan Tulsidas)**

**(Sigurd Heiberg)**

**(Sigurd Heiberg)**

**(Sigurd Heiberg)**

**(EurGeol. Dr. Michael Neumann)**

**(Harikrishnan Tulsidas)**

**(Prof. Gbenga Okunlola)**

**(Bobby Calanog)**

**(Harikrishnan Tulsidas)**

**(Sigurd Heiberg)**

**(Sigurd Heiberg)**

**(Sigurd Heiberg)**

**(Vítor Correia)**



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## UN Framework Classification for Sustainable Resources Management in Europe

Organisers: UNECE, EC, EFG, EGS,

16 November 2018 (9:00 - 13:00) Le Plaza Hotel (Boulevard Adolphe Max 118-126, 1000 Bruxelles)

Session I – Moderated by Mr Michael Neumann, EFG

UN Resource Management System and Sustainable Development Goals – Ms Charlotte Griffiths

From Minerals to Energy to Anthropogenic Resources, Mr Sigurd Heiberg,

Policy and Future of UNFC in the EU – Mr Rodrigo Chanes-Vicente (DG GROW)

Session II – Moderated by Mr Slavko Solar, EGS

Mintell4EU; UNFC applied to European Mineral Resources – Ms Kari Aslaksen Aasly and Mr Henrik Schiellerup (NGU)

Case studies from Central Europe, and lessons learned for further work – Mr Horváth Zoltán (MBFSZ, EGS-MREG)

Recent observations from ORAMA – Mr Tom Bide (BGS)

View from the practitioners - EFG perspective

Alignment of industry code to the UNFC – Mr Michael Neumann (EFG)

UNFC Competency concept - Mr Vitor Correia (EGF)



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### Minerals Working Group Terms of Reference

Work on the Terms of Reference (ToR) for the Mineral Working Group (MWG) started in January 2018 and was finalized in January 2019. Many members of the MWG gave their input which is greatly appreciated.

The ToR have been submitted to the Technical Advisory Group (TAG) and was accepted in March 2019.

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## Mineral Specification Paper

Work on the Mineral Specification Paper started in late 2017 and turned out to be complicated and slowly advancing. A preliminary version was prepared with active participation of many MWG members in summer 2018 but had to be revised.

Consequently a small group was created which is currently working on the paper. A preliminary version will be presented after this presentation by Johann Gotsis.

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- Cooperation with other Working Groups / Task Forces

The cooperation concentrated mainly on the Competent Persons Task Force which is an important aspect on the classification and management of minerals and solids.

A clear definition of a Competent Person resp. the Evaluator is absolutely necessary for public trust and confidence in the management of natural resources of every kind.



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- Outlook 2019 / 2010
  - Finish Mineral Specification Paper
  - Prepare Case Studies
  - Provide Training on UNFC and its Application to Minerals
  - Cooperation with Other Working Groups and Task Forces

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- The Meggen Raw Material Days (11.-13.09.2019)

<b>Dr. Karen Hanghoj</b>	<b>EIT</b>	<b>Raw Materials for Europe within the framework of Sustainability, Innovation and Circular Economy</b>
<b>Corinna Hebestreit</b>	<b>EuroMines / Belgium</b>	<b>Sustainable Economy in European Mining</b>
<b>Dr. Peer Hoth</b>	<b>BMWI</b>	<b>German Raw Material Policy and its European View</b>
<b>Dr. Antje Wittenberg</b>	<b>BGR</b>	<b>Germany's View on UNFC</b>
<b>Dr. Ulrich Kral</b>	<b>UNFC / Univ. Wien</b>	<b>UNFC Anthropogenic Resources</b>
<b>Prof. Marco Petitta</b>	<b>Univ. of Rome</b>	<b>The UNFC and its international Groundwater Classification Approach</b>
<b>Zoltan Horvath</b>	<b>Hungary</b>	<b>Mineral Deposits of Hungary</b>



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# Thank you

Michael Neumann

Chair of Minerals Working Group

European Federation of Geologists

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