



CHAIR'S CHAT

Welcome to this first edition of the PERC newsletter. This is a new initiative of our communications committee which has been tasked with improving PERC's communication with the 'outside world'. When I took over as Chair three years ago, I felt that we could not complain about people being unaware of PERC, if we were not going out there and telling them about our activities. Over the past two years, good progress has been made in establishing a framework for communications with the PERC website serving as a central 'hub' and regular posts being issued via LinkedIn and other channels such as this new newsletter.

At a recent meeting which I attended in London, Rohitesh Dhawan (President and CEO of the International Council on Mining and Metals - ICMM) suggested that the industry needs to make more effort to engage with the younger generation on channels such as TikTok. An example which provides an explanation of how copper ore is processed can be viewed at the [TikTok website](#).

If any 'younger' readers of this newsletter would like to take the lead on setting up a PERC TikTok channel, please email me at: chairperson@percstandard.org.

LATEST DEVELOPMENTS AT PERC

CRIRSCO-UNFC BRIDGING DOCUMENT APPROVED

The Guidance Note on the use of the Bridging Document between the CRIRSCO Template and UNFC was finally approved on 23rd April 2024 following discussion held in Geneva, Switzerland. This document, accompanied by a comprehensive Guidance Note, marks a significant milestone in harmonising these two systems. This release is a collaborative effort by the Ad Hoc Task Group for Revising the CRIRSCO Template and UNFC Bridging Document. Both documents aim to provide a comprehensive guidance for mineral reporting and classification, and to facilitate a nuanced understanding of how to align CRIRSCO estimates with UNFC classifications, ensuring seamless integration between CRIRSCO-aligned codes and standards and UNFC.

LAUNCH OF PERC'S MINERAL PROJECT EVALUATION REPORT TEMPLATE

The public launch of PERC's Mineral Project Evaluation Report Template (MPER Template) was made on 21 May 2024. This webinar provided an introduction to PERC's MPER Template. The MPER Template provides a framework to assist Competent Persons in the compilation of data, information, interpretations, assessments and conclusions relevant to Exploration Results, Mineral Resources and Mineral Reserves throughout a Mineral Project's life-cycle from early exploration through advanced mineral development to extraction operation. The template is focused on assisting CPs in compiling such information in a manner that conforms with the requirements and recommendations outlined in the PERC Reporting Standard (accessible from the [PERC website](#)).

AGM IN ROME

The PERC 2024 AGM was held as a hybrid event with face to face in Rome on Monday 3rd June 2024 at the office of the Italian National Council of Geologists (Consiglio Nazionale dei Geologi, CNG) in Rome. Unfortunately, only Edmund Sides (PERC Chair) and Marco Cosi (PERC Co-opted member)

were able to attend in person. Four separate Zoom sessions (1 to 1.5 hours duration) were held online with other participants joining remotely.

The Chair's Report for the past year, a summary of which was presented to the AGM, can be viewed and downloaded from the [PERC website](#).

A two day-PERC training course was held after the PERC AGM as an online only course with simultaneous translation of English presentations into Italian so as to make the course of interest to a wider audience. There were just over 70 paying participants in the course.

LATEST DEVELOPMENTS WITHIN THE PARTICIPATING ORGANISATIONS

IOM3

PERC ADVISORY GROUP

The PERC Advisory Group was formed to support the four IOM3 PERC representatives in their work with PERC and to help create a two-way communication channel between IOM3 members and PERC. The Group has no decision making authority, but may make proposals to the relevant governance boards. The Initial meeting was held on 19th March 2024 and elected James McFarlane as the Chair of this Group.

EXTRACTIVES GROUPS

The IOM3 consists of some 15,000 members, consisting of 22 Technical Groups. Three of these Technical Groups, the Applied Earth Science (AES) Group, the Mining Technology (MT) Group and the Mineral Processing and Extractive Metallurgy (MP&EM) Group actively represent some 3,000 members associated in the extractive industries. The four PERC representatives are Liz de Klerk, Fiona Cessford, Andy Carter and Andy Birtles.

AFFILIATED LOCAL SOCIETIES

There are several "Affiliated Local Societies" associated with IOM3, and their details can be accessed from the [IOM3 website](#).

GSL

The GSL held their biannual online training course, in conjunction with PERC, entitled An Introduction to the CRIRSCO Family of Reporting Codes, during February and March 2024. There were eight modules, each of which assessed key issues relating to the Reporting Codes. Information of the course are presented on the [GSL website](#).

Additional information about the GSL, including upcoming events, membership, publications and education can be accessed from the [GSL website](#).

IGI

The IGI Board is delighted to launch the latest output of the Minerals Information Working Group during May 2024.

A new factsheet on the EU's Critical Raw Materials Act (CRMA), which came into effect on the 23rd of May, has been launched and will be actively distributed to a long list of stakeholders on the island of Ireland. The CRMA aims to increase extraction, processing, and recycling within the EU. This will bring many challenges and opportunities for European, including Irish, geoscientists.

This new factsheet compliments the previously published factsheets on aspects of mineral exploration and mining in Ireland, and their vital role in relation to Ireland's green energy transition, and is published as a [press release](#).

Please share this factsheet and the press release amongst your own networks. We will be actively promoting this information campaign on our social media channels (X @IGI_PGeo and LinkedIn).

IGI prides itself on taking a science-first approach and our Minerals Information Working Group has been responsible for developing the information just published, drawing on the expertise of

members who are mineral exploration, mining, and environmental geologists from across the island of Ireland.

Further information on the Minerals Information Working Group can be accessed from the [IGI website](#). At the IGI's recent AGM, it was agreed that one of the IGI representatives on PERC would become a member of the group so as to establish a more formal regular means of communication between the IGI and PERC on matters related to the minerals sector.

For more information please visit the [main page](#) of the IGI website.

EFG

The European Federation of Geologists (EFG) is a not - for - profit organisation instituted to ensure competent and ethical practice among geoscientists in Europe while representing the profession across the continent. EFG aims to be recognised as an independent, trustworthy and reliable international organisation that contributes to the protection of the environment, public safety and the responsible use of natural resources.

EFG are in the process of launching a training academy to support the Continuing Professional Development of geologists and run a mentoring programme that fosters networking and career development.

More information please access the [EFG website](#).

FAMMP

The non-profit organisation Fennoscandian Association for Metals and Minerals Professionals (FAMMP) brings together qualified persons mainly in Sweden, Norway and Finland who meet the organisation's requirements for competence and experience in making exploration results, mineral assets and mineral reserves that meet the requirements of PERC standard.

FAMMP is a non-profit association for individuals working in the mining sector and having the professional qualification and work experience to be able to function as Competent Persons /Qualified Persons for public reporting of exploration results, mineral resources and mineral reserves in accordance with the internationally recognized PERC Reporting Standard, or another similarly CRIRSCO based reporting standard.

More information please access the [FAMMP website](#).

IMEB

Iberian Mining Engineers Board (IMEB) was born from the will of the professional associations of mining engineering in Portugal and Spain to join PERC, the organisation responsible for setting standards for the public reporting of exploration results, mineral resources and mineral reserves. The following summarises the structure and mission of IMEB.

Structure and Governance

The governing bodies of the IMEB shall be a Governing Council and a Technical Committee:

Governing Council

The Governing Council is to be composed of the President, an elected representative of the Colégio de Engenharia Geológica e de Minas de Portugal, the Dean-President, an elected representative of the Consejo Superior de Colegios de Ingenieros de Minas de España and four Members of the Technical Committee. The responsibilities of the Governing Council include:

- Determining the policy of the IMEB and giving its approval to the activities carried out.
- The approval of budgets and annual accounts.
- To approve the Statutes and the corresponding Rules of Procedure.
- To authorise the preparation of documents on issues related to the profession.
- To set up working groups to prepare reports on matters relevant to IMEB.

Ordinary meetings of the Board shall be held as often as necessary for the proper conduct of IMEB, at either of its headquarters.

Technical Committee

The Technical Committee shall consist of four members of IMEB, two from each of the organisations, who shall be directly elected by the respective organisations and may appoint other members as necessary.

For the conduct of the activities of the Technical Committee, both organisations shall provide appropriate administrative facilities within their own headquarters.

Details

For more information, and details how to contribute to, or participate in, IMEB, please visit the [IMEB website](#).

PERC SUB-COMMITTEE ACTIVITIES

STANDARD UPDATE

The Standard Update Sub-committee has been developing “companion” documents for the PERC Reporting Standard (2021). These have included:

- Preparation and Release of the PERC Mineral Project Evaluation Report (MPER) Template.
- An Integrated Approach to Public and Non Public Mineral Reporting and Classification-Definitions.
- Guide to an Integrated Approach to Mineral Reporting and Classification
- The CRIRSCO Template to UNFC Bridging document.

Despite some scepticism relating to the adoption of the MPER template, it appears that there are companies that have adopted this approach, with the comment that it addresses the level of detail required by the financial institutions.

The definitions are being reviewed, and will be used for the development of the comprehensive Integrated Approach Guide.

The CRIRSCO Template to UNFC Bridging document has been agreed at a meeting in Geneva in May 2024. Accurate mineral reporting and classification are crucial for transparency, reliability, and informed decision-making in the global mining industry. Thanks to the harmonisation efforts of CRIRSCO Representatives and UNFC, this process is now simplified.

This sub-committee is also addressing the Participating Organisations’ disciplinary codes and processes to ensure consistency across the organisations.

TRAINING

Training courses are offered regularly, by PERC and by the Participating Organisations. There are several video presentations on the [PERC website](#) which explain the PERC Reporting Standard. Other past and future training events are posted on the PERC website, but also on the Participating Organisations’ websites. All of the sites are updated with events regularly.

COMMUNICATION

The Communication Sub-committee was revitalised at the beginning of this year, and has now progressed in implementing the PERC Communications Plan, developed and approved by the PERC Executive in January 2022. To date PERC have seen a rise of visitors to the [PERC website](#) and the [LinkedIn](#) pages. PERC also has an entry on [Wikipedia](#). The sub-committee consists of members of the Participating Organisations and is actively raising PERC’s presence among the Participating Organisations and the extractive industry communities across Europe and the United Kingdom. Anyone wishing to join this sub-committee to assist with further improvements should contact Andy Birtles or the PERC officers through the website or LinkedIn pages.

FINANCE AND REGULATORY

Edmund Sides took over from Mark Burnett as acting coordinator of the Finance and Regulatory committee in early 2024. The membership of the sub-committee was reviewed and updated to include a range of members from across Europe. The sub-committee met online in February 2024 to discuss ideas for an action plan to make better progress on the committee's objectives but since then relatively little effective progress has been made due to other commitments of the committee members. - A priority for the coming year should be to develop a specific action plan and to seek financial support to allow the development of promotional materials and the participation of PERC representatives in conferences and other meetings.

Despite the lack of activity of the sub-committee, PERC members have been involved in several activities related to the regulatory topic, including the preparation and submission of a response to the public consultation on the EU's Critical Raw Materials Act (CRMA). PERC's response was prepared by a separate task group with input from several PERC Members and Trustees. During the preparation of PERC's response, discussions were also held with several external parties, including the ICMM. PERC's submission, dated 13 June 2023, is available the [European Union website](#).

Edmund Sides participated in a roundtable discussion organised by the European Council on Foreign Relations (ECFR) in Brussels on 15th May 2023, entitled: "Closed-Door High-Level Dialogue Strategic Partnerships for Investment and Impact". Details of the event, including a video recording of the public panel discussion can be found on the [ECFR website](#).

GET INVOLVED IN PERC

If anyone affiliated to the Participating Organisations would like to become more involved in the PERC Standard and issues associated with the development and promotion of the PERC Standard, please contact a member of the [PERC Executive](#) or use the Contact Us facility located at the bottom of each web page, or from the [Contact Us page](#).

Should any members of PERC, or the Participating Organisations like to publish an article in this Newsletter, please contact a member of the [PERC Executive](#) or use the Contact Us facility located at the bottom of each web page, or from the [Contact Us page](#). These articles would expect to be half page articles (approximately 100 to 200 words with photograph), and should address interesting issues from around the world, with maybe a regional/ country theme, or maybe a discipline theme (Geology, Mining, Metallurgy, Environmental).

PERC MEMBER PROFILE

ED SIDES



Ed Sides is an experienced resource geologist with over 30 years of international experience in estimation and reporting of Mineral Resources to recognised standards such as JORC and NI 43-101. Client projects include Technical Reports and mineral project due diligence reports for a variety of different mine types and commodities. He has a broad range of international experience on a variety of different commodities and deposit types.

Ed has been Chairperson of PERC since May 2021, having served as Secretary from May 2018-2021. He was originally co-opted onto the PERC Committee in May 2014 and is currently one of the four representatives of the Institute of Geologists of Ireland on PERC. Ed has delivered several training courses on best practice in the assessment and reporting of Exploration Results, Mineral Resources and Mineral Reserves in recent years.

On most training courses and important meetings, he is accompanied by his mascot Lugh who provides advice on 'rainbow-end' resources. Look out for him in photos !

ARTICLES BY PERC MEMBERS

NEW TECHNOLOGIES IN MINING (CHRISTIAN PEÑA, IMEB)



TOPCON Spain

Topcon is a company founded in Japan in 1932 and today, they are a leading global manufacturer of high-precision positioning solutions with more than 2000 employees in 28 countries.

As part of their collaboration with the School of Mining and Energy Engineers of Madrid, they have demonstrated their new GTL-1200 topographic instrument which included laser scanner, total station and GPS. This highlights the importance of continuous

training for professionals who participate in the processes of determining mineral resources and reserves and undertaking the estimation using latest technologies.

This quality information obtained by the latest systems will undoubtedly facilitate the work of the competent person who audits under a standard such as PERC. This article was compiled with acknowledgements to Miguel Angel Sacristan of TOPCON Spain.