



COMMITTEE FOR MINERAL RESERVES  
INTERNATIONAL REPORTING STANDARDS



COMMITTEE FOR MINERAL RESERVES  
INTERNATIONAL REPORTING STANDARDS

# PERC Report

Eddie Bailey, Chair  
CRIRSCO AGM,  
Ulaan Bataar, Mongolia 22 October 2014

- Pan-European Reserves and Resources Reporting Committee
- 2006: PERC set up to replace the previous IMM Reserves Committee and an *ad hoc* European working group
- Four parent organisations: EFG, IOM3, GSL, and IGI
- 2008: CRIRSCO-aligned PERC Reporting Standard
- 2013: A registered not-for-profit organisation, now based in Brussels (EFG offices within Belgian GS) - legal status.
- 2013: Revised PERC Reporting Standard published (includes specific provision for industrial and construction minerals, coal, historic estimates, ...)

## **European Federation of Geologists**

Ruth Allington (Treasurer/Sponsorship)  
Markku Iljina (FRB)  
Carlos Almeida (Secretary/EU Projects)  
Pim Demecheleer

## **Institute of Geologists of Ireland**

Paul Gordon  
Eibhlin Doyle  
Andy Bowden  
John Barry

## **Co-opted members**

Gordon Riddler  
John Clifford  
Juan Leon Coullaut (FEANI – Spain)

## **Institute of Materials, Minerals & Mining**

Neil Wells (Deputy Chair)  
Paul Gribble  
Liv Carroll (Finance/Regulators)  
Steve Henley

## **Geological Society**

Bill Gaskarth  
Mark Howson  
Paul Lusty  
Eddie Bailey (Chair)

Marco Cosi (Dimension Stone)

Jay Hambro  
Ed Sides (Training)

- Standard Updates
- Sub-Committees
  - Training
  - Financial
  - Sponsorship
- EU Projects
- Next steps

- New clause 61 and Appendix 6: **Non-Public Reporting**. Needed for adoption of PERC as a governmental standard across Europe
- New section on **Mineral Wastes**: proposed by Neil Wells. Needed for industrial/construction minerals companies and for EU governmental reporting
- New section on **Dimension Stones**. Requirements significantly different from other construction minerals
- FRB integration. Agreed in principle. Proposals submitted in 2013. No response from FRB, no further progress



# Training Sub-Committee - Scope

- “To promote the development and delivery of training aimed at raising awareness of the PERC Standard and to promote professional development in the assessment and reporting of Solid Raw Mineral Assets in accordance with the requirements of the PERC Standard and other CRIRSCO codes and standards.”
- Background:
  - Established in March 2014
  - Members: Ruth Allington, Mark Howson, Ed Sides (Chair), Neil Wells



- PERC endorsed courses
- List of available trainers
- Provision of introductory slides ('PERC core')
- Monitoring course performance
- Consider development of on-line training support methods

# PERC Endorsed Courses (1)

- Use similar criteria to the GSL course endorsement system -  
<http://www.geolsoc.org.uk/endorsed-training-courses>
- Course material branded as PERC endorsed
- Course to include 5 PERC core slides Key principles, relationship to other reporting standards, Competent Person requirements, committees, relevant contacts/references
- Should qualify for Continued Professional Development - subject to confirmation by PERC member organisations

# PERC Endorsed Courses (2)

- PERC organized courses
  - PERC handles administration, registration, etc
  - Administration charge applied (10-15% of course fee ?)
- Non-PERC organized courses
  - Advertised via PERC website
  - Materials branded as PERC endorsed
  - Levy per participant to be paid to PERC
  - Discounted fees for PERC member organisations

# Financial and Regulator Sub-Committee

- To support mineral companies of European stock exchanges with reporting standards, governing regulations and guidelines.
- Established to form closer links with stock exchanges and draw attention to the application of PERC Standard (meeting with LSE in November 2014)
- To highlight that PERC is now recognised by the European Market and Securities Authority for use on all European stock exchanges.

- Sponsorship of 6,000 euros in 2013 enabled the establishment of the PERC office in Brussels and register as a not-for-profit organisation.
- This now enables PERC to make a charge for training events etc.
- Small surplus from first training event in March 2014 and more expected from MIN WIN WIN in November.
- Key role in INTRAW will also provide significantly more funding in 2015



- Minventory (led by BGS and BRGM). PERC provided edits to final report. Standardisation on CRIRSCO-aligned codes recommended.
- INTRAW. Large project. PERC is a core participant
- MINATURA. Small project. Defining a harmonised EU policy on mineral deposits management (“definition and subsequent protection of “mineral deposits of public importance”)

- The need for a unified source of statistical information for non-energy raw material deposits...
- to maintain the competitive advantage of the countries within the European Union, and to continue development of environmentally-friendly technologies
- for the greater security of supply within the EU caused by increasing import dependence and the potential for restriction of supply
- for greater resource efficiency that will improve material security, reduce environmental impact and improve competitive positioning

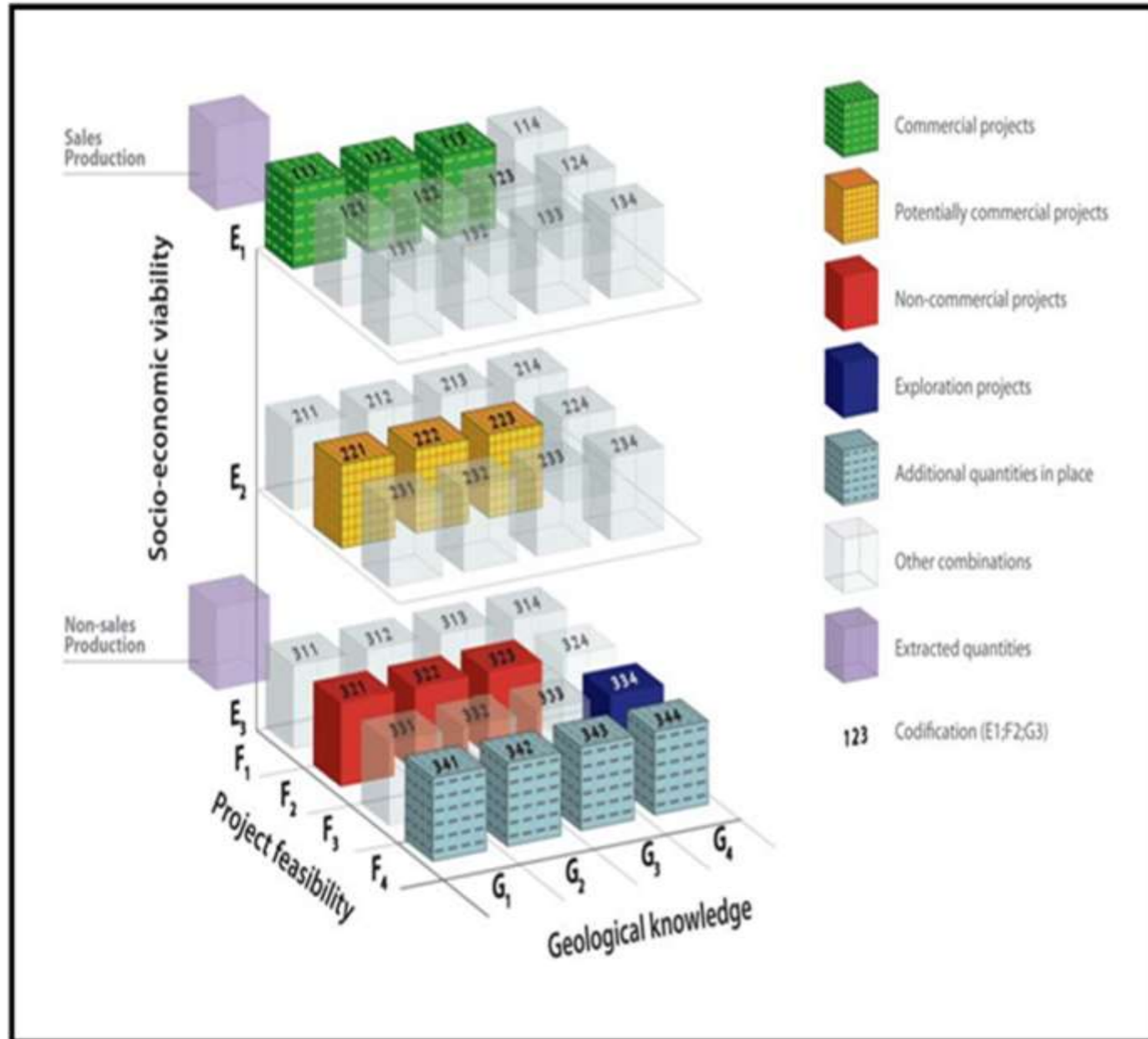
# Minventory (2)





- An EU “Horizon 2020” project, led by EFG.
- PERC is a core participant.
- Establishment of a European “Raw Materials Observatory” with database on mineral non-energy raw materials; emphasis on collaboration with some non-European countries (including SA, USA, Aus)
- Steve Henley to lead database design.  
Reserves/Resources data to use PERC Standard

- *The overall objective of MINATURA 2020 is to develop a concept and methodology (i.e. a harmonised European regulatory/guidance/policy framework) for the definition and subsequent protection of “mineral deposits of public importance” in order to ensure their “best use” in the future.*
- *Providing a policy planning framework that comprises the “sustainability principle” for mining is the key driving force behind MINATURA.*



- Steve Henley of PERC completed case studies commissioned by UNECE, presented results at EGRC meeting in May 2014
- Conclusion: there remain significant problems with UNFC-2009, particular in relation to classifying “exploration results”. Underlying differences between oil & gas and solid minerals

- **EPCAT - a joint commitment by EFG and PERC to...**

- Develop and offer training courses, seminars, workshops in EU member states
- Engage with governments, companies, financial institutions
- Communication to industry, public, and profession
- Publication of guidelines on best practice and sustainability
- Global harmonisation of professional standards



**What is EPCAT?**

EFG/PERC Competence Accreditation and Training is a commitment on RMI to support the Strategic Implementation Plan of the EIP on RMI. EFG and PERC are jointly committed to promoting and maintaining the highest professional standards in the discovery and exploitation of raw materials.

- The role of EFG is to promote the recognition of the highest professional standards among all geoscientists working in the raw materials industry in Europe.
- The role of PERC is to define the standards for recording and reporting raw materials resources and reserves. This is both for public reporting by companies, using CRISCO-aligned reporting standards, and for governmental and intergovernmental planning, using CRISCO and UNFC standards as appropriate.
- Both organisations are committed to the need for maintenance of highest levels of Competence and Professionalism.

**Objectives**

The RMC will include the active support of educational institutions in providing relevant training for professional geoscientists, as well as the development and direct provision of appropriate training courses for geoscientists at all levels working in the raw materials industry.

**Expected impact**

An assurance of consistent high level of competence will lead:

- To improved confidence in reported data on raw materials resources and reserves;
- Appropriate implementation of relevant legislation such as the European Environmental Impact Assessment;
- Improved public understanding and confidence of mining reports and activities

**Activities planned**

- PERC and EFG will develop and offer relevant training courses, seminars, and workshops in different member states.
- They will also engage directly with relevant companies, governments, financial and other institutions and organisations to improve regulatory frameworks governing the recording and reporting of statistical data relating to raw materials resources and reserves.
- Communication to the industry, the public, and the profession
- Publication of guidelines on best practice and sustainability
- Global harmonisation of professional standards through collaboration with international organizations such as UNECE and CRISCO

**About PERC**

PERC is the organization responsible for setting standards for public reporting of exploration results, mineral resources, and mineral reserves by companies listed on markets in Europe. It is a member of CRISCO, the Committee For Mineral Reserves International Reporting Standards, and the PERC Reporting Standard is fully aligned with the CRISCO Reporting Template. PERC is established formally as a not-for-profit organisation (publicly registered in Brussels) by its four founding professional organisations. More information: [www.percstandard.eu](http://www.percstandard.eu)

**About EFG**

The European Federation of Geologists (EFG) is a non-governmental organisation that was established in 1981 and today includes 21 national association members. It is the representative body for the geological profession in Europe. EFG contributes to protection of the environment, public safety and responsible exploitation of natural resources by promoting excellence in the application of geoscience, by supporting research and teaching that underpins it, and also by creating public awareness of the importance of geoscience to society. EFG encourages professional development by promoting training and Continuing Professional Development and offers validation/certification through its internationally recognised title of European Geologist (EurGeol). More information: [www.eurogeologists.eu](http://www.eurogeologists.eu)

Contact: EFG / PERC - c/o Geological Survey of Belgium, Rue Jenner 13, B-1000 Brussels - [info.efg@eurogeologists.eu](mailto:info.efg@eurogeologists.eu) - [info@percstandard.eu](mailto:info@percstandard.eu)

# PERC beyond Ulaan Balaar

- PERC/EFG MIN WIN WIN Conference, 19<sup>th</sup> to the 21<sup>st</sup> November 2014, Brussels, Belgium



- PERC AGM 13<sup>th</sup> March 2015 Helsinki Finland to coincide with the annual meeting of the Finnish Geological Society (Geologiliitto)
- Holcim: Competent Person Workshop, Switzerland November 2014 – worldwide participation.
- PERC Standard formally adopted by Heidelberg Cement and Holcim
- Continued work on Code Updates and closer links with stock exchanges



## EFG Members

Click on the map

- Belgium-Luxembourg
- Croatia
- Cyprus
- Czech Republic
- Finland
- France
- Germany
- Greece
- Hungary
- Ireland
- Italy
- Netherlands
- Poland
- Portugal
- Russia
- Serbia
- Slovakia
- Slovenia
- Spain
- Sweden
- Switzerland
- Ukraine
- United Kingdom