



Date: 08 July 2025

The ISM Executive
Presidium Meeting Krakow
Poland

RE: Report on the work of the International Society for Mine Surveying (ISM) Commission V: Environmental Planning, Monitoring and Restoration

Committee Structure

This is the second report after Commission V was reconstituted at the 2023 ISM Presidium Meeting in China. The first report was presented for the 2024 Presidium meeting in South Africa (available via [this link](#)). The core team of Commission V is:

- Prof. Simit Raval: Chair
- Prof. Jing Li: Co-Chair
- Prof. Brenda K.Schladweiler: Co-Chair (Nominated, to be confirmed)
- Dr. Yanhua Fu : Secretary (Nominated, to be confirmed)

Meetings

Since our last report dated 6 October 2024, 6 Working Group meetings were held on: 30 Oct 2024, 22 Feb 2025, 9 Mar 2025, 22 Mar 2025, 8 April 2025 & 11 June 2025

Main discussions were around improving membership of the commission and running outreach activities to students and younger professionals working in the mine environment related domains.

As a result, 4 outreach academic sessions were held during 7-10 April 2025 at the China University of Mining and Technology – Beijing, China on **“Remote sensing of Mining Environment”** delivered by A/Prof Simit Raval. Over 60 students actively participated in these sessions.



Establishment a sub-group:

A proposal was received from **Prof Kai Qin** (CUMT- China) to establish a sub-group under commission V for ***Methane Observation and Quantification***. This proposal was due to increasing growing concerns from regulators, industry and academia in this area. The proposal was supported by the past President ISM **Prof. Leiting Huang**.

To this end, an International Workshop on Methane Observation and Quantification was held on 10 - 11 May 2025 in CUMT Xuzhou, China in partnership with UNEP's International Methane Emissions Observatory (IMEO). The workshop brought together more than 100 experts from 20+ research institutions worldwide to advance scientific efforts to observe and quantify methane.



Currently active members:

In addition to the core members, following are currently active members of the Commission V:

- Prof.Randolph Wynne (USA)
- Prof. Jennifer Franklin (USA)
- Senior Researcher.ChristosTsadilas (Greece)
- Dr.Anna Krzyszowska Waitkus (USA)
- Assoc. Prof. Dukmin Kim (South Korea)
- Executive Director.Lerato Ratsoenyane (South Africa)
- Prof. Wu Xiao (China)
- Prof. Jiguang Dai (China)
- Prof. Shiwen Zhang (China)
- Prof. Yinfei Cai (China)
- Prof. Wei Tang (China)
- Dr. Fan Zhang (China)
- Prof. Jun Li (China)
- Prof. Yongjun Yang (China)

- Prof. Chengye Zhang (China)
- Dipl.-Ing.Jörg Fugmann (Germany)
- Prof. Gerhard Mayer (Austria)
- Assoc. Prof.Stanislav Topalov (Bulgaria)
- Prof.Wang Yunjia (China)
- Dr.Aleksandra Wagner (Poland)

Future planned activities:

- to conduct online and offline academic exchanges;
- to jointly cultivate young talents in mining environmental planning, monitoring and ecological restoration and to organise related short courses/trainings; and
- to co-organise workshops.

Yours truly,



A/Prof Simit Raval

CHAIR: ISM COMMISSION V



Prof Jing Li

CO-CHAIR: ISM COMMISSION V