



proEXPLO 2025

SHORT COURSE post-congress

# GEOLOGICAL MAPPING IN MINERAL EXPLORATION



THURSDAY  
8<sup>TH</sup> MAY, 2025



FROM 09:00  
TO 17:00 HOURS



LANGUAGE  
SPANISH



ON-SITE  
(IIMP)

## Abstract



The workshop discusses practical aspects of geological mapping in the mineral exploration industry. Lectures in combination with lab exercises will take the participants through a typical cycle of a mapping job from preparation stage to practical questions during field work and preparation of final map and GIS products.

Starting with the basic concepts of geologic mapping the course will include a refreshment of 3D construction and 4D interpretation skills followed by an outline of the currently available modern and traditional toolbox assisting field work, data capture and processing. Specific problems of geological mapping in and around hydrothermal systems include the use and interpretation of satellite imagery, methods of alteration mapping and useful techniques of structural mapping. Case examples will touch on epithermal veins, high-sulphidation systems, breccias or diatremes, porphyry and lithocap systems.

The course is primarily meant for early-career geologists but welcomes all geologists interested in geological mapping. The workshop will be held in Spanish.



## Instructor

**Andreas Dietrich** is an exploration geologist with over 30 years of international mapping experience in mineral exploration and related academic research. He studied geology at the Technical University of Clausthal, a former mining academy in Lower Saxony, Germany, where he graduated with a thesis on an epithermal mineralized system in the Los Frailes ignimbrite complex, Potosi, Bolivia, followed by a doctorate based on a metallogenic comparison of Sn-Ag porphyry-type systems in the Bolivian tin belt (Llallagua/Siglo XX, San Jose de Oruro, Chorolque, Cerro Rico de Potosi) and Cu-Mo porphyry deposits of the Chilean copper belts (Chuquicamata, El Salvador, Escondida, Lomas Bayas, Los Pelambres).



**Andreas Dietrich**

Subsequently working in mineral exploration he held various positions with Compañía de Minas Buenaventura S.A.A. and Hochschild plc., with an interval of three years as an Associate Research Professor at Colorado School of Mines, USA, when conducting industry-funded research programs on two epithermal vein districts of Selene in Apurimac, Peru, and San Jose in the Deseado Massif of Santa Cruz province, Argentina.

Since more than 15 years he works as an independent consultant geologist providing geological mapping services to the mining industry foremost in Latin America and the Circum-Pacific region. Mapping projects comprise epithermal vein districts, high-sulphidation epithermal systems, porphyry deposits, lithocap environments, diatreme breccia-hosted mineralization, and Iron-Oxide Copper-Gold (IOCG) environments.

## Investment

CATEGORIES	RATES US\$ INC. IGV	
	Until 09.03.2025	From 10.03.2025
Non - Associates	350	400
Associetes	250	300
Students	100	100
Teachers	120	150

- \* The IIMP Active Member must be up to date with their 2025 dues.
- \* The student and the teacher must present their respective university transcripts.
- \* Includes digital certificate.

14TH INTERNATIONAL CONGRESS OF PROSPECTORS AND EXPLORERS

**DISCOVERING MINERAL RESOURCES FOR A BETTER WORLD**

05 - 07 may, 2025

Venue: Lima Convention Center

ORGANIZED BY:



FOR MORE INFORMATION:

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