



**National University of Ireland Society
of Economic Geologists
Student Chapter presents:**



**Workshop:
Critical Mineral Deposits: Case studies of
volcanogenic and supergene deposits**

Invited speakers:

Prof. Lisard Torró i Abat

Full professor - Pontifical Catholic University of Peru (PUCP)

Dr. Cristina Villanova De Benavent

Senior lecturer - University of Barcelona (UB)

*Hybrid – In-person in room COMP B003 at the O’Brien Centre for Science,
University College Dublin and on ZOOM.*



Scan the QR code or contact us through nui.seg@gmail.com to receive the ZOOM link and updates on the workshop.

Workshop:

Critical Mineral Deposits: Case studies of volcanogenic and supergene deposits

Schedule



Time	Title	Speaker
9.30am - 11.00am	Volcanogenic lithium deposits in SE Peru: Why are they the odd ones?	Prof. Lisard Torró i Abat
11.00am - 11.30am	<i>Coffee break</i>	
11.30am - 1.00pm	Critical metals deposits in supergene environments: Ni-laterites (Ni, Co, Sc) and karst bauxites (REY)	Dr. Cristina Villanova De Benavent
1.00pm - 2.00pm	<i>Lunch break at UCD Main Restaurant</i>	
2.00pm - 3.00pm	Panel discussion: “Improved critical mineral deposit genesis to enhance its exploration”	Invited speakers, Prof. Murray Hitzman and John Clifford (current academic and ex-industry advisors of the NUI SEG Student Chapter) Moderator: Malena Cazorla Martínez (president of the NUI SEG Student Chapter)
3.00pm - 3.30pm	Closing remarks and free time to discuss with the invited speakers	NUI SEG Student Chapter committee; all the participants





Workshop:

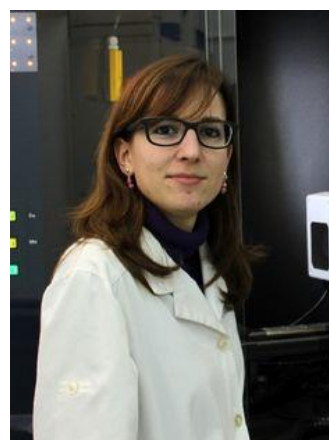
Critical Mineral Deposits: Case studies of volcanogenic and supergene deposits



About the invited speakers

About Prof. Lisard Torró i Abat

Full professor and researcher in the Geological Engineering Program at the Pontifical Catholic University of Peru (PUCP). He graduated in Geology (2009 – University of Barcelona) and Mining Engineering (2011 – Polytechnic University of Catalonia), and received his PhD degree from the University of Barcelona in 2017. Lisard conducts research in geology and geochemistry of mineral deposits, particularly those formed in supra-subduction zones. More recently, Lisard has been investigating the mineralogical expression, distribution patterns, and enrichment mechanisms of the so-called high-technology elements in hydrothermal and residual deposits. He has active projects in the Central Andes and the Caribbean.



About Dr. Cristina Villanova De Benavent

Senior lecturer at the Faculty of Earth Sciences of the University of Barcelona (UB). She graduated in Geology (2008 - UB), and obtained her PhD in Earth Sciences on Ni-laterite mineralisations (2016 - UB), while also investigating REE-bearing karst bauxite deposits. Then, she worked as a part-time lecturer and researcher at the same institution until 2017. Later, she was a research fellow at the School of Environment and Technology of the University of Brighton (United Kingdom) from 2018 to 2019, where she conducted experiments mimicking ion adsorption REE deposits. Since 2020, she has been teaching Ore Deposits Geology, Mineralogy, and related topics at undergrad and masters levels. More recently, she has been involved in research on volcanogenic Li deposits. She has active projects in Europe and Latin America.

