

2019 Annual Report of the Critical Minerals Committee of EMD

Chair – Jesse Edmondson, P.G., CEO and Co-Founder of US Critical Minerals (Alabama, USA)

Co-Chair – Murray W. Hitzman, Director, Irish Centre for Research in Applied Geosciences (Dublin, Ireland)

Co-Chair – Lindsay Allan Ross, Contract Exploration Geologist for Cherryvale Partners (Queensland, Australia)

Michael Campbell, C.P.G., P.G., P.H., Senior Principal & Chief Geologist/Principal Hydrogeologist at I2M Consulting, LLC (Texas, USA)

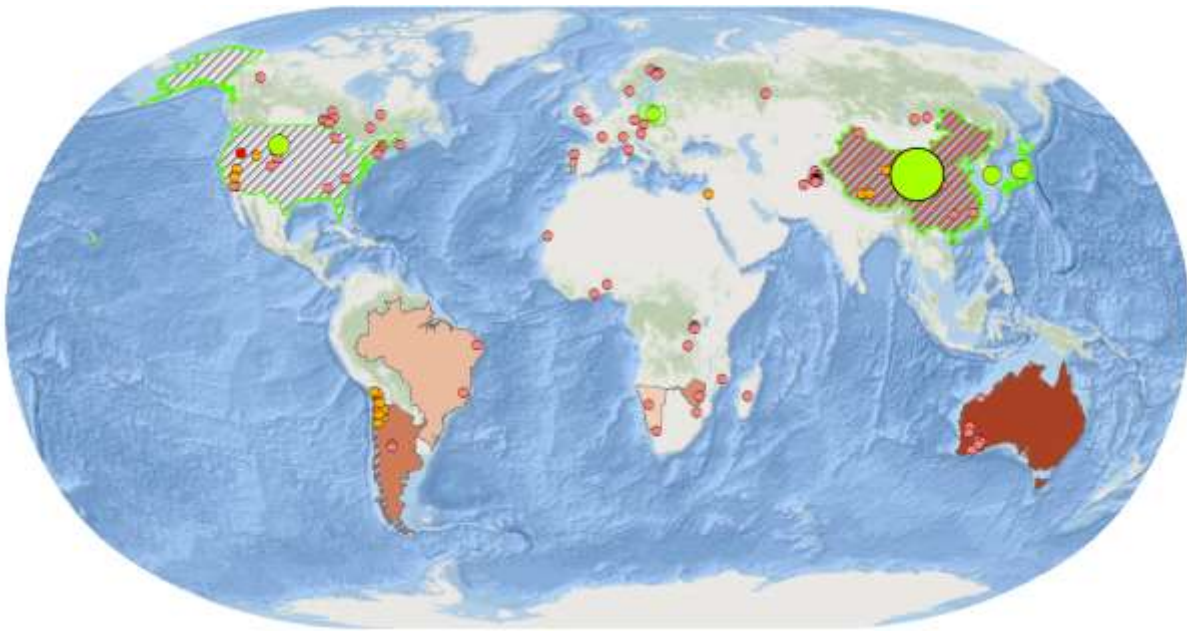
Tony Doré, Senior Advisor to Exploration Management at Equinor (England, UK)

Francois Marechal, Founder and Consultant Geologist at Geo-Libre Inc. (Alberta, Canada)

Edith Newton Wilson, PhD, President and CEO at Rock Whisperer LLC (Oklahoma, USA)

Committee Statement

We define a critical energy mineral as a naturally occurring and extractable-from-rock commodity that is critical to current and emerging energy technology, and at the same time, limited in supply by current or forecast requirement. The purpose of the Critical Minerals Committee (CMC) is to facilitate the engagement of AAPG members with the current and emerging technologies for exploration, resource modelling, economics and extraction of non-petroleum critical energy minerals. Within the framework of AAPG Energy Minerals Division (EMD), the CMC is the leader of geoscience for natural resources of non-petroleum critical energy mineral commodities. As such, the CMC is not concerned with non-critical energy minerals. The CMC committee, under direction of the committee chair, is to actively pursue and engage affiliated organisations to AAPG and yet-to-be affiliated organisations and industry participants for the purpose of education, collaboration and technology transfer for the benefit of AAPG members.



From Wilson and Edmondson, 2019: map shows hard rock lithium deposits (red dots), lithium brine deposits (orange dots), countries mining lithium with darker colors indicating higher production, hatching indicating lithium processing, and green dots over battery-producing countries.

Activities

ACE2019: Presentation, Theme 9: Planetary Geology and Energy Frontiers, **Monday, May 20, 10:50, Room 214A**

“Geoscience Perspectives on Technology development in Energy Storage and Implications for Strategic Mineral Exploration” (Edith Newton Wilson and Jesse Edmondson)

ACE2019: Proposed session “Using Petroleum Technology, Tools and Talent to Explore for Critical Energy Minerals” under the EMD-sponsored theme Exploring Future Energy Frontiers (recommended to central planning group)