

“Jackpot at 290 Ma: Selected mineral deposits in the Central Asian Orogenic Belt”

CERCAMS-organised session at PDAC Toronto

Monday: 5 March 2012, 14:00 – 16:30 pm

Chairs:

Dave Groves, Centerra Gold, Toronto & Ian Blakley, Altynalmas Gold Ltd., Vancouver, Canada

The Central Asian Orogenic Belt was a busy place in the late Carboniferous to early Permian. An extraordinary number of significant mineral deposits formed at ~290 Ma, including the Muruntau and Bakyrchik gold deposits, the Dhezkazgan copper deposit, and the Kalatongke-Maksut copper-nickel deposits, among many others. This CERCAMS organized session will explain why, how, and where these deposits formed and provide thoughts on where to explore next. It will kick-off with an overview of the tectonic setting and metallogeny of the region, include talks on specific deposits dated at ~290 Ma, and will wrap-up with highlighting the importance of the region.

Invited Presentations:

Metallogeny and tectonic overview,

Reimar Seltmann, Natural History Museum, Centre for Russian and Central EurAsian Mineral Studies (CERCAMS), London, UK

Dzhezkazgan sedimentary copper deposit, Kazakhstan,

Stephen Box, United States Geological Survey, Spokane, USA

Bakyrchik deposit, Kyzyl gold project, Kazakhstan,

Rob Smith, Bakyrchik Mining Venture, Auezov, Kazakhstan

Muruntau gold deposit, Uzbekistan,

Vic Wall, Vic Wall & Associates, Spring Hill, Australia

Kalatongke, China and Maksut, Kazakhstan, nickel-copper deposits – the mantle link of the Tarim LIP,

Richard Ernst, Ernst Geoscience, Ottawa, Canada

What have we learned?,

Greg Hall, Golden Phoenix International Consulting Pty Ltd., Perth, Australia