

“An Assessment of the Costs and Benefits of Climate Change Adaptation in Mining”

Presenter: Sean Capstick, Principal, Golder Associates

Date: Thursday, December 15, 2016

Time: 1:00pm-2:00pm ET (please note your time zone)

Cost: Free!

A changing climate presents physical risks to mine infrastructure as mines are often located in challenging geographies that can experience extreme weather or were not designed for more frequent extreme weather events. Climate challenges have led to a wide range of industry impacts, from direct impacts on mine operations to indirect impacts via supply chains. If these risks are not characterized and addressed, they may have cost implications that affect the return on investment and the profitable operating life of mines or facilities.

A risk based tool has been developed and implemented to characterize and rank the risk to various mine infrastructure under current and future climate conditions. Mine infrastructure components (e.g. tailings dam, holding ponds or water supply) that could be adversely impacted by climate are identified in the tool as a potential climate/infrastructure interaction. The risk for each interaction is then characterized using a combination of the severity of the consequence, and the likelihood that the consequence would occur under both the current and future climate conditions. The tool allows for the analysis of how different climate adaptation measures would impact the risk score for different climate/infrastructure interactions.

This webinar will present results from a case study of the implementation of the tool, as well as the tool development and how uncertainty in climate change projections can be addressed.

Sean Capstick

Sean Capstick is a Principal in Golder's Toronto office with 25 years of environmental consulting and government experience. Sean is directing a number of atmospheric and climate change studies on public/private infrastructure and has extensive experience in the areas of Air Quality, GHG Inventories and Climate Change. Sean leads Golder's "Climate Change Technical Community" an internal knowledge sharing initiative to promote the use of the latest climate change science and develop Best Practices to consider both the potential effects of the project on climate change and the effects of climate change on a project.



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For more information, please contact

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