

DAY 1 – WET AND COLD

08:30 – | Opening session and keynotes

10:30 Chair: Carlos Soldi, *SVS Ingenieros, Peru*

08:30 – | Opening Address

09:15 Manuel Pulgar-Vidal, *Minister of Environment, Peru*
David Evans, *Conference Chair, MWH, Peru*

09:15 – | Keynote: Mine water challenges, technology and solutions

Andy Robertson, *InfoMine and Robertson GeoConsultants, Canada*

10:00 – | Keynote WET: The Pebble Project: It's all about the water

Jaime Cathcart, *Knight Piésold, Canada*; Rod Smith, *Schlumberger Water Services, Canada*

10:30 – 11:10 | COFFEE BREAK

PLENARY SESSION 1

Chair: Jose De Piérola, *Southern Peru Copper Corporation, Peru*
SAN MARTIN BALLROOM (JOINT)

11:10 – | Keynote COLD: Mine water issues in extremely cold climates

Jim Cassie, *BGC Engineering, Canada*

11:40 – | Assessment of field-scale test piles as a means to predict solute loads from waste rock in permafrost terrain

Leslie Smith, *University of British Columbia, Canada*; David Blowes, *University of Waterloo, Canada*; David Segó, *University of Alberta, Canada*; Richard Amos, *University of Waterloo, Canada*; Lianna Smith, *Rio Tinto Diavik Mines, Canada*

12:10 – | Membrane based water treatment technology provides alternative water source and discharge solutions

Tim Lilley, *Pall Corporation, UK*

12:40 – 14:00 | LUNCH



SESSION 1 – WET

Chair: Tom Kerr, *Knight Piésold, USA*
SAN MARTIN BALLROOM ABC

14:00 – | Development and assessment of water technologies in high rainfall mine sites

14:20 Johann Poinapen, *MWH Global, Australia*

14:20 – | Estimation of project design rainfall using a frequency-pairing approach

14:40 Robert Millar, *Golder Associates, Canada*

14:40 – | Evaluation of the performance of frequency and chronological pairing techniques in synthesizing long-term streamflow

15:00 Cameron Butt, *Knight Piésold, Canada*; Robert Millar, *University of British Columbia, Canada*

15:00 – | Large scale mine dewatering: A comparison of experiences from different parts of the world

15:20 Richard Dixon, *Xylem Water Solutions, Chile*

15:20 – 15:50 | COFFEE BREAK

SESSION 3 – GEOCHEMISTRY AND ANTIMINA

Susan Knoerr, *Compañía Minera Antamina, Peru*
SAN MARTIN BALLROOM (JOINT)

15:50 – | Biogeometallurgical characterization of ore deposits – a new approach to sustainability in mining

16:10 Bernhard Dold and Leyla Weibel, *Universidad de Chile*

16:10 – | An assessment of the effects of scale and season on release rates from waste rock at the Antamina Mine site, Peru

16:30 Roger Beckie, *University of British Columbia, Canada*

16:30 – | Successful application of geochemical management for waste segregation to construct the Antamina Tailings Dam

16:50 Bevin Harrison and Roberto Manrique, *Compañía Minera Antamina, Peru*

16:50 – | Case history: The use of geomembrane and operational controls on the Antamina tailings dam

17:10 Roberto Manrique, *Compañía Minera Antamina, Peru*; Andy Haynes, *Golder Associates*

17:10 – | How to complete a hydrogeological evaluation for a mining area characterized by the presence of karst

17:30 Cristian Bittencourt and John Pottie, *Compañía Minera Antamina, Peru*

SESSION 2 – COLD

Chair: Jim Cassie, *BGC Engineering, Canada*
SAN MARTIN BALLROOM DEF

14:00 – | Hydrological contribution from degrading permafrost and rock glaciers in the Northern Argentinean Andes

14:20 Lukas Arenson, Matthias Jakob and Pablo Wainstein, *BGC Engineering, Canada*

14:20 – | A method for deriving sub-permafrost groundwater salinity and total dissolved solids

14:40 Juliana Martin and Cameron Clayton, *Golder Associates, Canada*; Brent Murphy, *Seabridge Gold, Canada*

14:40 – | Frozen dams in permafrost regions

15:00 Megan Miller, John Kurylo and Maritz Rykaart, *SRK Consulting, Canada*

15:00 – | Mine waste cover and water management upgrades in the Subarctic North

Dustin Rainey, *Yukon Government, Canada*; Jim Cassie, Gerry Ferris, Jeremy Valeriotte and June Pollard, *BGC Engineering, Canada*

18:00 – 20:00 | WELCOME RECEPTION IN THE TRADE SHOW AREA