



Hybrid Conference

25 - 27 November 2026

World Conference on Sampling and Blending (WCSB12)

CONFERENCE PROGRAMME



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Wednesday 25 November

0900 - 0930	Registration Opens, Refreshments	
0930 - 0940	Welcome Address	Simon Dominy & Hylke Glass
Session one: Mining & Minerals Chaired by Claudia Paoletti		
0940 -1020	Keynote: The Hidden Cost of Poor Sampling: Quantifying Financial Losses in Grade Control Practice	Ana Chieregati, <i>University of Sao Paulo</i>
1020 - 1040	Split Ratio Dependence of Variance Suppression in Rotary Versus Riffle Sample Splitting	Richard Minnitt, <i>University of the Witwatersrand</i>
1040 - 1100	Sampling Difficulty Index	Dominique Francois-Bongarcon, <i>AGORATEK International</i>
1100 - 1110	Q&A	
1110 - 1130	Refreshments	
Session two: Open Chaired by Stephane Brochot		
1130 - 1150	Mind the Gap: Annex G - Balancing Sampling Intent with Practical Operational Constraints	Kevin Tucker, <i>Independant Consultant</i>
1150 - 1210	The Integrated Reference Core Shed: Infrastructure as an Enabler of Sampling Quality Management	Rodrigo Valdes, <i>Independant Consultant</i>
1210 - 1230	Representative Sampling in Mineral Processing: TOS Compliance in a Consolidating Global Supply Market	Christopher Gianetti, <i>CONCEP</i>
1230 - 1245	Q&A	
1245 - 1345	Lunch	
Session two: Open continued... Chaired by Kim Esbensen		
1345 - 1425	Keynote: <i>Title TBC</i>	Sheryl Tittlemier, <i>Canadian Grain Commission</i>
1425 - 1445	Comparison of Laboratory Milling Approaches for Heterogeneous Convertor Matte	Neressa Sukha, <i>Valterra Platinum</i>
1445 - 1505	Overcoming Practical Sampling Challenges at a PGM Smelting Operation Towards Theory of Sampling Compliance and Improved Quality Assurance.	Pieter Oelofse, <i>Northam Platinum</i>
1505 - 1515	Q&A	
1515 - 1535	Refreshments	

Session three: Gold Chaired by Hylke Glass		
1535 - 1555	Sampling of Conglomerate-Hosted Nuggety Gold in the Pilbara, Western Australia	Simon Dominy, <i>Camborne School of Mines</i>
1555 - 1615	Core Saw Sampling: An In-Field, Rapid Alternative for Gold and Multi-Element Analyses of Drill Core Samples	Steve Russell, <i>Portable PPB</i>
1615 - 1635	Direct Measurement of Laboratory Sampling Precision in Gold Ores: A Complement to “Gy's Formula”	James Tickner, <i>Chrysos Corporation</i>
1635 - 1655	A Robust Sampling and Quality Management Framework Enabling MILP Production Optimization at Sukari Gold Mine	Shehata Mekawy, <i>Sukari Gold Mine (AngloGold Ashanti)</i> <i>(Virtual)</i>
1655 - 1710	Q&A	
1710 - 1810	Drinks Reception	

Thursday 26 November

0900 - 0930	Registration Opens, Refreshments	
0930 - 0935	Welcome Address	Simon Dominy
Session four: Environment & Recycling Chaired by Sheryl Tittlemier		
0935 - 1015	Keynote: From Accepted Practice to Sampling Reliability: Challenges in introducing TOS into Environmental Site Assessment	Jean-Sébastien Dubé, <i>École de Technologie Supérieure</i>
1015 - 1035	Sampling of End-of-life Batteries for Recycling	Stephane Brochot, CASPEO
1035 - 1055	Size-Grade Heterogeneity and Fundamental Sampling Error in Milled Autocatalysts: Implications for PGM Recycling Practice	Christopher Jeremiah, <i>BASF Metals LLC</i>
1055 - 1105	Q&A	
1105 - 1135	Refreshments	
Session five: Plants & Concentrates Chaired by Dick Minnitt		
1135 - 1155	Ways-and-means to Get the Advantage Over Opponents in Minerals Mining, Trading and Refinement Settlement Agreements – If Your Opponent is Not Smarter than you	Kim Esbensen, <i>KHE Consulting</i>

Session five: Plants & Concentrates continued... Chaired by Dick Minnitt		
1155 - 1215	Mineralogical Investigations of Loadport and Disport Discrepancies: The Role of Oxidation and the Potential Commercial Implications for Global Trading	Laurance Donnelly, <i>Alfred H Knight International Ltd</i>
1215 - 1235	Is TOS Knowledge Homogeneously Distributed? A Manufacturer's Field Report	Phillippe Davin, <i>Iteca Socadei</i>
1235 - 1255	Brownfields Replacement of a Non-Probalistic, Stationary 5-cutter Device with a TOS Compliant Launder Sampler System; Novel Variographic Quantification of the Sampling Improvement on a Copper Flotation Product Stream	Willem Slabbert, <i>Multotec Process Equipment</i>
1255 - 1310	Q&A	
1310 - 1410	Lunch	
IPGSA Chaired by Simon Dominy		
1410 - 1430	Two years Since IPGSA’s New Beginning	Claudia Paoletti, <i>European Food Agency</i>
1430 - 1440	SST: The Forefront of TOS Developments	Kim Esbensen, <i>KHE Consulting</i>
1440 - 1450	IPGSA Website and Communications	Martin Lischka, <i>HERZOG</i>
1450 - 1500	IPGSA Training Service	Oscar Dominguez, <i>AngloGold Ashanti</i>
1500 - 1510	Stakeholder Updates: New Membership Options Underway	Aldwin Vogel, <i>Bureau Veritas</i>
1510 - 1530	Q&A: Discussing IPGSA’s Future	IPGSA Council
1530 - 1600	Refreshments	
1600 - 1610	Announcing the Host for WCSB13	Ralph Holmes, <i>IPGSA President</i>
1610 - 1630	Presentation by the WCSB13 Host Organisation	TBA
1630 - 1710	Gold Medal Ceremony	Gold Medal Committee

Friday 27 November

0900 - 0930	Registration opens, refreshments
0930 - 0935	Welcome address

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0930 - 0935	Welcome address	
Session six: Open Chaired by Phillippe Davin		
0935 - 1015	Keynote: Is the Mining Industry Really Prepared for Artificial Intelligence? The Enabling Role of Quality Management for Representative Samples and Data...	Oscar Dominguez, <i>AngloGold Ashanti</i>
1015 - 1035	Representative Sampling of Dense Powder/Granule Streams for Inline PAT Prediction of Blend Uniformity	Manuel Kuhs, <i>Expo Process Analytics</i>
1035 - 1055	Real Time Sampling and Analysis of Pharmaceutical Powder Blends At Kilograms per Hour	Rodolfo J Romañach, <i>University of Puerto Rico</i>
1055 -1105	Q&A	
1105 - 1135	Refreshments	
Session seven: TOS Education Chaired by Ralph Holmes		
1135 - 1155	Theory of Sampling (TOS) – Introductory Interactive Infographic	Chris Robben, <i>SIX-S Consulting</i>
Session seven: TOS Education continued... Chaired by Ralph Holmes		
1155 - 1215	The Power of Education and Wide Understanding of The Theory of Sampling	Karin Engström, <i>LKAB</i>
1215 -1235	Simple Sampling: Understanding the Logic With No Math	Claudia Paoletti, <i>European Food Safety Authority</i>
1235 - 1250	Q&A	
1250 - 1350	Lunch	
Session eight: Pharma & Agriculture Chaired by Martin Lishka		
1350 - 1430	Keynote: Theory of Sampling for Quality Medicines	Rodolfo J Romañach, <i>University of Puerto Rico</i>
1430 - 1450	Characterizing Within- and Between-Plant Variability of Mycotoxins in Barley	Sheryl Tittlemier, <i>Canadian Grain Commission</i>
1450 - 1510	Extending Variables Acceptance Sampling Beyond Normality: Beta Plan Design for Food Quality	Ha Troung, <i>Auckland University of Technology</i>

1510 - 1530	Acceptance Sampling Plans for Food in the Case of Heterogeneous Bulk Materials	Bertrand Colson, <i>QuoData GmbH (Virtual)</i>
1530 - 1545	Q&A	
1545 - 1615	Refreshments	
Session eight: Process Sampling Chaired by Karin Engström		
1615 - 1635	Do We Need to Sample Process Water?	Reinaldo Novaes, FLS
1635 - 1655	Sampling Assurance: Lessons from Auditing Mechanical Sampling Systems and Laboratory Practices Across Australian Coal Operations	Damien Russell, <i>Russell Resource Group</i>
1655 - 1715	SRS - Sampling Reduction System	Pablo Villarroel & Alexander Kaercher, <i>TECPROMIN S.A.</i>
1715 - 1730	Q&A	
1730 - 1740	Closing words	Simon Dominy & Hylke Glass

Title of Poster	Author
Evaluation of a Feed Stream Measurement System in a PGM Concentrator Plant using Replication Experiment, Variography, and TSE-Based Sampling Scheme Optimisation	Charles Tonongei, <i>University of Johannesburg</i>
Field Duplicates as a Tool to Evaluate Sampling Uncertainty and Its Effect on Ore Classification in an Ag–Pb–Zn Epithermal Vein Deposit.	Claudia Nalleli Ortega Santillán, <i>SIG-Independent Geological Consultant</i>
A Proactive Approach on Quality Management for RC UG Drilling Rig	Édipo Pessoa, <i>CREA</i>
Certified Reference Materials for Pulsed Fast Thermal Neutron Activation (PFTNA) Logging Tools in Mining Grade Control	Henning Reichardt, <i>BHP</i>
Validation of Sampling Parameters and Nomogram of Convertor Matte	Neressa Sukha, <i>Valterra Platinum</i>
Validation of Underground Reverse Circulation Sampling for Improved Geological Model Confidence: A Case Study at Cuiabá Mine, AngloGold Ashanti	Pedro Dumon Barroso, <i>AngloGold Ashanti</i>
A Practitioner's Primer on Correct Sampling in the Minerals Industry: From Protocol to Audit	Richard Minnitt, <i>University of Witwatersrand</i>
Teaching Sampling – It’s Not That Simple!	Stephane Brochot, <i>CASPEO</i>
Performance Analysis of the BX-LXD Linear Cross Splitter for Productive and Efficient Representative Sample Division	Steven Denis Russell, <i>Portable PPB</i>
Best Practice Sample Preparation By Sieving; Fit-For-Purpose Methods for In-Field Exploration Sampling	Steven Denis Russell, <i>Portable PPB</i>

Convenors:

- Dr Simon Dominy (Camborne School of Mines, University of Exeter)
- Professor Hylke Glass (Camborne School of Mines, University of Exeter)



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