

PUBLICATIONS IN MINING GEOSTATISTICS

Research Program:

Bertoli, O., 2010. ACARP Report C19006B: Geostatistical Analysis of Gas in Place Estimates and Drill Hole Spacing.
Australian Coal Association Research program Project Number c19006 "Modelling Uncertainty in Fugitive GHG Emissions".

Refereed Journals:

Bertoli, O., Paul, A., Casley, Z., Dunn, D. (2012): Geostatistical drillhole spacing analysis for coal resource classification in the Bowen Basin, Queensland. *Special issue of the International Journal of Coal Geology on geostatistical and spatiotemporal modeling applied to coal geology (IJCG) 2012, Guest Editor R.Olea, US geological Survey.*

Deraisme, J., **Bertoli, O.**, Epinoux, P. (2014): Multivariate block simulations of a lateritic type Nickel deposit and post-processing of a representative subset in the August 2014 Danie Krige Commemorative Edition Volume 114. *August 2014, edited by The Southern African Institute of Mining and Metallurgy.*

Conference Proceedings:

Bertoli, O., Deraisme, J., Epinoux, P. (2014): Multivariate block simulations of a lateritic type Nickel deposit and post-processing of a representative subset (updated version), proceedings of the Strategic Mine Planning and Orebody Modelling conference, Perth, November 2014.

Bertoli, O., Mawdesley, C., S. Martinez, S., Paul, A., Dunn, D., 2012 - *"Measure for Measured - Geostatistical coal resource classification in the Bowen Basin"*, 34th Int. Geol. Congress, Brisbane 5-10 August 2012.

O'Connor, M., **Bertoli, O.**, Titley, M. (2012): Estimating Recoverable Uranium Resources using Uniform Conditioning – A Case Study on the Mkuju River Uranium Project, Tanzania. *Proceedings of the AusIMM International Uranium Conference 2012, Adelaide, SA, Australia.*

Casley, Z., **Bertoli, O.**, Mawdesley, C., Davies, G. and Dunn, D. (2009): Benchmarking Estimation Methods for Coal Resource Estimation.. *Proceedings of 7th International Mining Geology Conference 2009, Perth, WA, Australia.*

Bertoli, O., Tomsett, A., Kidd, R., and Casley, Z. (2009): Recoverable Resource Estimation Using Bivariate Uniform Conditioning at the Lihir Gold Mine. *Proceedings of 7th International Mining Geology Conference 2009, Perth, WA, Australia.*

Bertoli, O., Job, M., Vann, J. and Dunham, S. (2003): Two-Dimensional Geostatistical Methods — Theory, Practice and a Case Study from the 1A Shoot Nickel Deposit, Leinster, WesternAustralia. *Proceedings of 5th International Mining Geology Conference 2009, Bendigo, VIC, Australia.*

Vann, J. and Jackson, S, **Bertoli, O.** (2003): Quantitative Kriging Neighbourhood Analysis for the Mine Geologist – A Description of the Method with Worked Case Examples. *Proceedings of 5th International Mining Geology Conference 2009, Bendigo, VIC, Australia.*

Jackson, S., Fredericksen, D., Stewart, M., Vann, J., Burke, A., Dugdale, J. and **Bertoli, O.** (2003): Two-Dimensional

Geostatistical Methods — Theory, Practice and a Case Study from the 1A Shoot Nickel Deposit, Leinster, Western Australia. *Proceedings of 5th International Mining Geology Conference 2009, Bendigo, VIC, Australia.*

Vann, J. **Bertoli, O.** and Jackson, S. (2003): An Overview of Geostatistical Simulation for Quantifying Risk. *Proceedings of the Geostatistical Association of Australasia Symposium "Quantifying Risk and Error" March 2002.*

Other Conference Proceedings:

Deraisme, J., **Bertoli, O.**, Michaud, J., (2011): Pre-Mining Drill Spacing Optimisation and Recoverable Nickel Resource Estimation, Dome Orebody (SLN), *Journées de Géostatistique, Fontainebleau 15-16 September 2011.*