
2014년도 제1차 해외전문교육 개요

1. 교육명 : 「광물분야 자원량 평가(Resource Estimation)」
2. 교육수준 : 중급(Intermediate)
3. 교육기관 : Snowden(호주)
4. 교육일시 : 2014. 3. 31(월) ~ 4.4(금), 5일간 9:00 - 17:00
5. 교육장소 : 해외자원개발진흥재단 석유가스교육연구센터(역삼동)
6. 강사 : Lindsay Farley
 - 국적: 호주
 - 직위: Senior Consultant
 - 경력
 - Presenting Snowden's courses since January 2010
 - More than 14 years' experience in the mining industry
 - 학력
 - RMIT University 1988-1993 : Bachelor of Applied Geology
 - University Adelaide 2010-Present : Master of Geostatistics
(all course work completed, only thesis to write)
 - Mainly worked in gold and base metals in variety of roles including open cut, underground and exploration, with extensive experience in resource estimation
 - Worked on projects in Australia, Canada, Russia, Africa and Europe in a variety of commodities including gold, silver, lead, zinc and nickel

7. 세부내용

| 1일차 | 2일차 | 3일차 | 4일차 | 5일차 |
|---|---|---|--|---|
| <p>Welcome and introduction</p> <p>Introduction to Resource Estimation</p> <p>Database integrity and data quality</p> <p>Geological interpretation, coding and compositing data</p> <p>Describing populations</p> <p>Activity - Basic statistics</p> <p>Estimation domaining and comparing populations</p> <p>Activity - Geology and domaining</p> <p>Declustering and top cuts</p> | <p>Revision quiz - Day 1</p> <p>Activity - top cuts, Analysis of data statistics</p> <p>Activity - Analysis of data statistics continued</p> <p>Variography</p> <p>Activity - Create a variogram, Grade continuity</p> | <p>Revision quiz - Day 2</p> <p>Activity - Grade continuity continued</p> <p>Activity - Range and nugget determination</p> <p>Activity - Variography and geology</p> <p>Geostatistical concepts</p> <p>Building the block model and estimation</p> <p>Activity - Inverse Distance</p> <p>Estimation continued</p> <p>Activity - EZ kriging</p> | <p>Revision quiz - Day 3</p> <p>Indicator kriging</p> <p>Activity - Indicator statistics</p> <p>Optimising parameters</p> <p>Activity - block size optimisation</p> <p>Model validation</p> <p>Activity - model validation</p> <p>Classification and reporting continued</p> <p>Report writing, sign off and auditing</p> <p>Activity - Review resource estimation process</p> | <p>Revision quiz - Day 4</p> <p>Introduction to 2D estimation, Categorical indicator kriging, Multi-element estimation</p> <p>Introduction to change of support</p> <p>Activity - Dispersion variance, GCOS</p> <p>Introduction to conditional simulation</p> <p>Questions and Answers</p> |