



Ore-Body Knowledge (OBK) Theme

QUANTIFIED GEOLOGICAL KNOWLEDGE (QGK)

DATA

- RGB Images
- Hyperspectral Core Images
- Whole rock geochemistry
- Quantitative XRD
- FTIR
- Calculated Mineralogy
- LIBS
- XRF line scanning
- XRF Mapping



MODULE 1:
Mineralogy
at whole-of-
deposit-scale

MODULE 2:
Geological feature
extraction: mapping &
quantification of
textural features

PREDICTING ORE-BODY BEHAVIOUR FROM QGK

MODULE 3:
Geotechnical

MODULE 4:
Sensor-based
sorting

MODULE 5:
Geometallurgy

MODULE 6:
Commodity and
deleterious
elements

MODULE 7:
Economic
analysis – what is the
value of OBK?

Data Analytics

Module 8: Training and PD

