Consortium

Project Leader: Professor Richard Herrington, Natural History Museum London

The CoG³ consortium comprises a group of 13 experienced researchers from 8 institutions with the aim of training 5 PhD students and 7 early career researchers to become a new generation of multidisciplinary mineral resource scientists and engineers.

5 PhD projects will be delivered through research within the CoG3 consortium:

- Incorporation of Co into synthetic Fe oxyhydroxide systems - Implications for natural systems - PhD studentship Loughborough University - NHM
- Defining mineralogy and its structural evolution and reaction pathways during bioprocessing of Cobalt-bearing Fe and Fe-Mn oxides - PhD studentship Manchester -NHM
- Bio-reduction of Co and Ni bearing Manganese Minerals (STXM-focused) – PhD studentship Manchester-Diamond
- Optimisation of bio-mineral precipitation in chemoorganotrophic systems for Co recovery – PhD studentship Dundee
- Selective mineral processing and hydrometallurgical recovery processes for Co from Polish copper ore – PhD studentship Exeter

Project partners include:

Manchester University - leading WP2 - Natural Biogeochemistry of Co [http://www.manchester.ac.uk/research/jon.lloyd/](http://www.manchester.ac.uk/research/jon.lloyd/)

Bangor University - leading WP3 - Bioprocessing of Co [https://www.bangor.ac.uk/biology/staff/johnson.php](https://www.bangor.ac.uk/biology/staff/johnson.php)

Exeter University - leading WP4 - Improving the Supply Chain of Co [http://emps.exeter.ac.uk/csm/staff/hjglass](http://emps.exeter.ac.uk/csm/staff/hjglass)

Dundee University - WP2 - Natural Biogeochemistry of Co [http://www.lifesci.dundee.ac.uk/research/gmg](http://www.lifesci.dundee.ac.uk/research/gmg)

Loughborough University - WP1 - The New Sources of Co [http://www.lboro.ac.uk/departments/chemistry/staff/academic-research/caroline-kirk/](http://www.lboro.ac.uk/departments/chemistry/staff/academic-research/caroline-kirk/)

Southampton University - WP1 - The New Sources of Co [http://www.southampton.ac.uk/oes/research/staff/sr2](http://www.southampton.ac.uk/oes/research/staff/sr2)

Diamond Light Source - WP1 - The New Sources of Co [http://www.diamond.ac.uk/Home.html](http://www.diamond.ac.uk/Home.html)

Cobalt Development Institute - WP4 - Improving the Supply Chain of Co [http://www.thecdi.com/](http://www.thecdi.com/)