

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/>

Bangor University - leading **WP3** - Bioprocessing of Co <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>

Dundee University - **WP2**- Natural Biogeochemistry of Co <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/>

Southampton University- **WP1** -The New Sources of Co <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>

Cobalt Development Institute -**WP4** - Improving the Supply Chain of Co <http://www.thecdi.com/>

