

Opportunity name: NERC UK-Canada Sustainable Critical Minerals Research Partnerships

Meeting Date: 10 & 11 December 2024

Application Reference	Project Title	Research Organisation	Outcome
44638	Correlating lithium pegmatites across the Canadian-UK Caledonides	University of St Andrews	Unsuccessful
45112	BELiEVE - Bioleaching and Electrodialysis for Lithium Extraction and Value Enhancement	University of Nottingham	Unsuccessful
53154	JUST transitions through REsponsible MINing and Developing circular economies (JUST-REMINeD)	University of Edinburgh	Unsuccessful
54399	A combined geochemical and biosorption tool for mine water clean-up and valorisation	University of Strathclyde	Successful
55053	Exploration and Geomodels for Rare Earth element pegmatite Targets (EGRET)	British Geological Survey	Successful
55133	Towards "Critical Geometallurgy" of post-subduction mineral resources.	University College London	Successful
55205	Evaluating the potential of the Bird River Greenstone Belt, Manitoba, to host critical battery metals lithium and nickel	Cardiff University	Unsuccessful
55280	Toward Enhanced Li+ Concentration in UK Geothermal Fluid for Direct Li Resources	University of Liverpool	Unsuccessful
55339	Metal fertility and transport in volcanic-hosted hydrothermal systems	University of Edinburgh	Successful
55402	MINERS: critical Minerals for Resilience and sustainability: mapping of complex Critical Minerals' value chains and future policy pathways	University College London	Successful
55552	Sustainable, Transformative ion-Exchange and Process intensification to Support Lithium recovery (STEPS-Li)	University of Leeds	Unsuccessful
55625	From ore to tailings: integrated assessment of critical minerals through the lifecycle of volcanicogenic massive sulphide (VMS) systems (FORTIS)	British Geological Survey	Unsuccessful
55980	Machine LEarning and Data Visualisation for Battery Recycling (LEADR)	University of Warwick	Unsuccessful
56184	The reduction of CO2 emissions from the processing of critical METal ores (CO2MET)	British Geological Survey	Unsuccessful
56450	DigiLith: Enhancing Sustainable Direct Lithium Extraction Through Digital Rock Physics	Heriot-Watt University	Unsuccessful

56575	Monazite microAnalytical PetrochronoLogy; tools for enhancing REE Exploration in pegmatites (MAPLE)	University of Portsmouth	Unsuccessful
56667	BatGraphFlow – Assessing the circular economy potential of graphite in lithium-ion batteries	British Geological Survey	Unsuccessful
56829	Lithium Pegmatites from Source to Sink (LiPSoS)	British Geological Survey	Unsuccessful
57511	Oil Sands Tailings and their Critical Metals	Imperial College London	Unsuccessful