

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 | BELiVE - 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 volcanogenic 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 |

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| 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 |