

**NEIF Approved Projects 2023**

Round	NEIF #	Project Title	Principal Investigator
<b>Panel A - Radiocarbon (Archaeology)</b>			
May-23	2614	Establishing the chronology of 'Spanish' gilt leather panels at the Museum of Leathercraft	Brock (Cranfield University)
May-23	2616	A re-evaluation of phasing at Early Medieval Jarrow	Tourigny (University of Newcastle)
May-23	2617	LBK Cremations	Bickle (University of York)
May-23	2618	Buried landscapes of the Avon Riverside and the Mesolithic of the Stonehenge Area	Brown (University of Southampton)
May-23	2620	The role of Eurasian lynx ( <i>Lynx lynx</i> ) in the British Holocene ecosystems	Meloro (Liverpool John Moores University)
May-23	2622	Investigating changing subsistence strategies during the Neolithic in the south-western Balkans	Bogaard (University of Oxford)
May-23	2623	MOG001: First steps towards a chronological framework for Medieval Nubian mortuary architecture, burial practices and textile production, and final steps towards creating an anthropological profile of a rural Nubian community from the Neolithic to the Medieval period	Naeser (University College London)
May-23	2626	Dating the animal remains from the Neolithic monument of Le Déhus, Guernsey	Neil (University of Oxford)
May-23	2627	Dating Péré C, a Neolithic long mound in Nouvelle-Aquitaine, France.	Neil (University of Oxford)
May-23	2628	Forest clearance and wood resource use in the temperate forests of Southern Chile during the Pre-Hispanic and Historical Period (400-1883 CE)	Fuller (University College London)
May-23	2629	Dating a cosmopolitan rubbish midden from Nahal Omer, Aravah desert, Israel	Fuks (University of Cambridge)
May-23	2635	Radiocarbon dating applied to the architectural and spatial variability of chullpas (above-ground tower-shaped monuments) in Altiplano Carangas	Sillar (University College London)
May-23	2636	Dating Empress Dock	Sturt (University of Southampton)
May-23	2637	Oasis Civilisations: The Making of Oasis Civilisation in the Moroccan Sahara	Mattingly (University of Leicester)
Nov-23	2697	Building a high-resolution chronological framework for the Middle to Later Stone Age transition at Boomplaas Cave	Carr (University of Leicester)
Nov-23	2702	Contextualising a Cave for the Community: Dating Ash Hole Cave	Basell (University of Leicester)
Nov-23	2704	Reconstructing the chronology and ecology of Neolithic agropastoral management at Dispilio, Lake Orestias, western Macedonia, Greece	Bogaard (University of Oxford)
Nov-23	2712	A NON-ANTHROPOCENTRIC STUDY OF THE PREHISTORIC CALCAREOUS LANDSCAPES OF NORTH-WEST EUROPE.	Branch (University of Reading)
Nov-23	2713	Directly dating the biological invasion of rabbits of the Balearic Islands	Larson (University of Oxford)
<b>Panel A - Radiocarbon (Environment)</b>			
May-23	2599	CongoPeat final allocation	Lawson (University of St Andrews)
May-23	2600	Past methane from lakes in Alaska: Integrating proxy records and models	van Hardenbroek (University of Newcastle)
May-23	2615	Determining carbon allocation during mast years in trees	Hackett-Pain (University of Liverpool)
May-23	2619	Reconstructing the history of hydrothermal activity at the Mid-Atlantic Ridge (13°30'N) using deep-sea sediments	Lichtschlag (National Oceanography Centre)
May-23	2624	Constraining the chronology of eruption sequences across the Azores archipelago	McLean (University of Oxford)
May-23	2625	Late Holocene flood history of the Ribble catchment	Jones (Edge Hill College of Higher Education)

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May-23	2630	Prehistoric Drumadoon landscape and cursus, Isle of Arran, Scotland	Whitehouse (University of Glasgow)
May-23	2633	Slewcairn & Lochhill	Schulting (University of Oxford)
May-23	2634	Digging deeper: applying 14C to quantify the effects of <i>Betula pubescens</i> Ehrh. establishment on the turnover-depth profile of a temperate maritime, upland podzol.	Wookey (University of Stirling)
May-23	2638	Turbo-charging the mycorrhizosphere – could more productive ecosystems threaten soil carbon stocks in boreal and sub-arctic zones of transition? (MYCONET)	Wookey (University of Stirling)
May-23	2639	SPECTRAL	Subke (University of Stirling)
May-23	2670	Developing lake sediment records of human impacts in the Ganges-Brahmaputra-Meghna delta, Bangladesh using stable isotopes	Henderson (University of Newcastle)
May-23	2672	New Insights on the Age and Climate Mitigation Significance of Shelf Sea Sedimentary Organic Carbon Stores	Austin (University of St Andrews)
Nov-23	2676	A multi-proxy record of landscape change in the heavily human-modified landscape of Leicestershire and Rutland	Berrio (University of Leicester)
Nov-23	2698	A history of relative sea level change and storminess from the Iona machair	Lee (University of Glasgow)
Nov-23	2699	Pond ecosystem reconstruction PhD project Sophie Harris	van Hardenbroek (University of Newcastle)
Nov-23	2700	Drivers of Common Era sea-level change in southeastern Australia: extending tide-gauge records and developing a network of high-resolution reconstructions for regional analyses.	Williams (Durham University)
Nov-23	2703	Testing the role of nutrient input thresholds in governing microbial-mediated carbon sequestration for temperate peatlands	Schillereff (King's College London)
Nov-23	2705	Developing an Age-Depth Model for a Holocene Sequence at Misterton Carr, near Gainsborough, Britain	Bunting (University of Hull)
Nov-23	2706	Rock organic carbon weathering from mountains to floodplains: New insight from combining radiocarbon and the rhenium proxy	Hilton (University of Oxford)
Nov-23	2707	Multiproxy late-Holocene sea-level reconstruction using salt marsh microfossils at the Kromme Estuary, South Africa	Pretorius (Durham University)
Nov-23	2709	Relating Thermal Reactivity to Bioavailability of Organic Carbon in Saltmarsh Soils	Austin (University of St Andrews)
Nov-23	2714	Reconstruction of Holocene lake mixing regimes in southern Finland	Hocking (Northumbria University)
<b>Panel B - Life Sciences</b>			
May-23	2601	Locked Up: Microbial and mineralogical controls on soil C persistence	Whitaker (Centre for Ecology and Hydrology)
May-23	2602	Decadal-scale temperature reconstructions from molecular proxies	Inglis (University of Southampton)
May-23	2604	Past temperature change from biomarker analysis of lake sediments from Southern Ocean and Antarctic (SOA) Islands	Roberts (British Antarctic Survey)
May-23	2610	Reconstructing fire history and past temperature using molecular markers: enhancing our understanding of the climate-environment context of human evolution in eastern Africa.	Pearson (University of Newcastle)
Nov-23	2674	Exploring commercial integrated multi-trophic aquaculture (IMTA) connectivity in Scottish waters - RESUBMISSION	Telfer (University of Stirling)
Nov-23	2675	Community niche dynamics in urban environments - RESUBMISSION	Pagani-Nunez (Napier University)

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Nov-23	2677	Quantifying patterns of trophic structure in rapidly changing northeast Atlantic ecosystems through historical isotopic analysis of 'ocean sentinels'	Magill (Heriot-Watt University)
Nov-23	2680	Disentangling environmental change in the Amazon: vegetation responses to Holocene drivers in the Yasuní National Park (Ecuador).	Jeffreys (University of Liverpool)
Nov-23	2681	Pyrolysis Gas Chromatography Mass Spectrometry (Py-GC-MS) for Quantifying the Biodegradation of Biodegradable Polymers in Soil.	Krause (University of Birmingham)
Nov-23	2682	Carry-over effects of individual specialisation in non-breeding strategies in a long-distance migratory bird	Bodey (University of Aberdeen)
Nov-23	2683	Beyond the pond: beaver wetlands provide an aquatic invertebrate banquet for terrestrial invertebrate species	Law (University of Stirling)
Nov-23	2684	Lifetime migratory behaviour and diet of tropical killer whales ( <i>Orcinus orca</i> ) from stable isotopes in their tooth growth layers	Hooker (University of St Andrews)
Nov-23	2685	Compound specific carbon-isotope analysis of amino acids to examine freshwater resource consumption in the early Neolithic	Roffet-Salque (University of Bristol)
Nov-23	2686	The extent of Mediterranean food cultures in Roman settlements in northern Britannia: a study of lipid residues analysis of pottery from consumption contexts at Catterick (Cataractonium).	Craig (University of York)
Nov-23	2688	Examining chimpanzee occupational traces using faecal biomarkers	Almeida-Warren (University of Oxford)
Nov-23	2691	Using py-GC/MS to understand the molecular preservation of degraded wood: a case study of two contrasting historic ships, HMS Victory & Mary Rose	Brock (Cranfield University)
Nov-23	2692	Compound-specific isotopes as tracers of seabird diet, Antarctica	McClymont (Durham University)
Nov-23	2693	Exploring mixotrophy in calcifying reef organisms: a deep dive into trophic plasticity and thermal bleaching resilience	Rickaby (University of Oxford)
<b>Panel C - Geology &amp; Environment</b>			
May-23	2620	The role of Eurasian lynx ( <i>Lynx lynx</i> ) in the British Holocene ecosystems	Dr C Meloro (Liverpool John Moores University)
May-23	2640	Multi-stable isotope approach to evaluate the impact of sewage effluent on eutrophication and algal blooms at Rutland Water Nature Reserve	Dr S Worne (Loughborough University)
May-23	2641	Magmatic evolution and rare earth element enrichment of the Loch Borrallan carbonatite complex, Scotland: An integrated mineralogical, geochemical and isotopic study	Prof H Downes (Birkbeck University of London)
May-23	2642	A three-dimensional record of icefield dynamics for the SW Juneau Icefield, Coast Mountain Range, Alaska, over the last 20,000 years	Dr B Davies (University of Newcastle)
May-23	2643	Late-glacial and late Holocene stalagmite palaeoclimate records from Greece: regional timing of deglaciation and aridity	Dr AD Marca (University of East Anglia)
May-23	2644	Determining the existence of nocturnal foliar water uptake in the crop plant, <i>Triticum aestivum</i> , using <sup>18</sup> O enriched water	Dr L McAusland (University of Nottingham)
May-23	2645	Geomorphic History of the Falklands Stone Runs	Dr C Darvill (University of Manchester)
May-23	2646	Testing a terrane accretion model in the Variscides	Prof ROB Strachan (University of Portsmouth)
May-23	2647	Glacial history of the tropical Andes, northern Peru	Prof ACG Henderson (University of Newcastle)

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May-23	2648	Reconstructing the impact of the Youngest Toba Tuff volcanic eruption by geochemical analysis in Lake Chala	Prof CS Lane (University of Cambridge)
May-23	2651	Tracing the origin of North Atlantic icebergs across the Mid Pleistocene Transition and the mysterious disappearance of <i>Neogloboquadrina pachyderma</i>	Prof SR Barker (Cardiff University)
May-23	2652	Fish for the Wealthy: Pike trade in the Baltic Sea Region (500-1700 AD)	Prof M Alexander (University of York)
May-23	2653	A massacre of outsiders? Comparative analysis of multiple 4th-6th c. CE funerary contexts in Ibida, Romania, including a mass grave, using a multi-isotope approach incorporating strontium, oxygen and lead isotopes to inform on identity and mobility	Prof M Alexander (University of York)
May-23	2654	Testing competing hypotheses for the formation of Fe-oxyhydroxides at hydrothermal systems	Prof BJ Murton (NOC, Southampton)
May-23	2655	Multiproxy reconstruction of Late Glacial Irish Ice Sheet dynamics on the Antrim Plateau, northeast Ireland	Dr B Davies (University of Newcastle)
May-23	2660	From summits to cirques: Deciphering the nature and rate of ice loss from the last Welsh Ice Cap	Prof PD Hughes (University of Manchester)
May-23	2661	Understanding nitrogen cycling in an anthropogenically-impacted lake system to inform sustainable water resource management: Lake Victoria, Kenya.	Dr AL Marriott (BGS, Keyworth)
May-23	2662	Testing the response of the titanite and apatite U-Pb geochronometers to mid-crustal metamorphism	Prof CJ Warren (Open University, Milton Keynes)
May-23	2663	How active can a passive margin be? Constraining ages of fault reactivation along the SE Brazilian margin	Prof KJ McCaffrey (Durham University)
May-23	2665	A global approach to understand blanket bog distribution and causes of degradation	Dr G Chico (Nottingham Trent University)
May-23	2666	Controls on 20th century ice shelf dynamics in northeast Greenland	Prof DH Roberts (Durham University)
May-23	2669	NERC direct access grant - WINDOWGLASSMED - H2020-MSCA-IF-2019	Dr CB Bertini (University of Newcastle)
May-23	2670	Developing lake sediment records of human impacts in the Ganges-Brahmaputra-Meghna delta, Bangladesh using stable isotopes	Prof ACG Henderson (University of Newcastle)
May-23	2671	Resolving the age of the Monte Amarelo giant lateral collapse, Fogo, Cape Verdes	Profe H Downes (Birkbeck University of London)
Nov-23	2699	Pond ecosystem reconstruction PhD project Sophie Harris	Dr M van Hardenbroek (University of Newcastle)
Nov-23	2700	Drivers of Common Era sea-level change in southeastern Australia: extending tide-gauge records and developing a network of high-resolution reconstructions for regional analyses	Dr S Williams (Durham University)
Nov-23	2718	Coupling seascape ecology and biogeochemistry to model land-sea nutrient connectivity	Dr L Wedding (University of Oxford)
Nov-23	2719	Constraining the temporal relationship between porphyry copper mineralisation and the end of contractional deformation in the southwest USA	Dr FJ Cooper (University College London)
Nov-23	2720	Quantifying the contribution of chemical and physical processes to carbonate bedrock incision	Dr ERC Baynes (Loughborough University)
Nov-23	2722	The chronology of environmental change during Holocene settlement of the Inner Hebrides	Prof M Lee (University of Glasgow)
Nov-23	2723	Timescales of magmatic-hydrothermal tin mineralization in the Cornubian ore-field	Dr NJ Gardiner (University of St Andrews)

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Nov-23	2724	Testing a two-arc model of Caribbean Plate evolution with mantle source forensics	Dr I Neill (University of Glasgow)
Nov-23	2725	Was there a 'forest effect' in the ORS Sr-isotope biosphere of Neolithic Orkney?	Prof J Montgomery (Durham University)
Nov-23	2726	Determining the source of sulfur in aerospace gas turbine deposits	Dr MA Jones (University of Manchester)
Nov-23	2729	Dating the post-Mississippian flooding as a proxy for glacial termination	Prof B C Kneller (University of Aberdeen)
Nov-23	2730	Farming for Carbon and Nature) - a stable isotope approach for assessing soil carbon stability	Dr HC Glanville (Loughborough University)
Nov-23	2731	Reconstructing the impacts of sewage treatment methods on nutrient loading, water quality and ecosystem health	Dr S Worne (Loughborough University)
Nov-23	2732	Evaluating stability of carbon capture based organo-mineral fertilisers in agricultural soils	Prof R Sakrabani (Cranfield University)
Nov-23	2733	Revealing interactions between fault segments of the Palu-Koro fault to inform seismic hazard assessment	Dr M Attal (University of Edinburgh)
Nov-23	2734	Developing sponge oxygen Isotopes for palaeoclimate research	Prof GEA Swann (University of Nottingham)
Nov-23	2735	Decadal-scale variability in the East Asian Monsoonal during the last glacial period: siderite oxygen isotope analyses from Lake Suigetsu, Japan	Prof MJ Leng (University of Nottingham)
Nov-23	2736	Assessing anthropogenic impacts to biogeochemical cycling at a protected tropical wetland (Loktak Lake, India)	Dr VNP Panizzo (University of Nottingham)
Nov-23	2738	Reconstructing different stratification regimes in the deglacial northwest Atlantic using isotopes from three species of planktic foraminifera	Prof D Thornalley (University College London)
Nov-23	2739	Quantifying different retreat rates and dynamics of adjacent fjord and land-terminating margins during the Late-Glacial and Holocene recession of the Greenland Ice Sheet	Prof CD Clark (University of Sheffield)
Nov-23	2740	Understanding the timing of larval settlement events in a commercial bivalve to inform the definition of fisheries management units	Prof MJ Kaiser (Heriot-Watt University, Edinburgh)
Nov-23	2741	Testing a new paleo-pCO <sub>2</sub> proxy through Pleistocene ice core validation	Dr K Littler (University of Exeter)
Nov-23	2742	Typhoons, topography, and tectonics: how much sediment does the Philippine Island Archipelago export to the global ocean?	Prof RD Williams (University of Glasgow)