

NEIF Approved Projects 2020

Round	NEIF #	Project Title	Principal Investigator
Panel A - Radiocarbon (Archaeology)			
May-20	2223	Waves of colonization around the Sea of Moyle: Linking population history, resilience and landscape change of island communities	Prof Anthony Brown (University of Southampton)
May-20	2272	Dating introductions and movements: mountain hares and (wild) cats	Prof Greger Larson (University of Oxford)
May-20	2273	The Beaded Garments from the Copper Age Tholos of Montelirio (Seville, Spain)	Dr Marta Díaz-Guardamino (Durham University)
May-20	2274	Reconstructing the Wildscape	Dr Nikki Whitehouse (University of Glasgow)
May-20	2275	Dating the sequence at the prehistoric village of Sarai Khola in Pakistan and the first appearance of bottle gourd in South Asia	Dr Cameron Petrie (University of Cambridge)
May-20	2277	Tracking Buddhist monuments along the Silk Road: Radiocarbon dating the earliest Buddhist cave temples along the Hexi Corridor, western China	Dr Ray Liu (University of Oxford)
May-20	2278	14C dating of shells and otoliths from prehistoric N Japan	Prof Rick Schulting (University of Oxford)
May-20	2279	Radiocarbon dating and Bayesian modelling of an Early Neolithic cemetery at Schwetzingen, Baden-Württemberg (Germany)	Dr Penny Bickle (University of York)
May-20	2281	Reconstructing population histories in extinct and extant endemic mammals of South- and Central America	Dr Selina Brace (Natural History Museum London)
May-20	2282	Paired human-textile 14C dating at coastal Tarapacá, N Chile	Prof Rick Schulting (University of Oxford)
Nov-20	2333	Examining mortuary treatment in Neolithic caves of southwest Britain: a taphonomic approach	Dr Richard Madgwick (Cardiff University)
Nov-20	2334	The Chronology of the World Heritage Site of Puigdes Molins, Ibiza, Spain	Dr Nicholas Marquez-Grant (Cardiff University)
Nov-20	2328	Overton Dogs	Prof Danny McCarroll (University of Wales Swansea)
Nov-20	2332	Chronology and prey mobility at the Yana mass accumulation of mammoth (YMAM) in the Russian Arctic	Dr Alexander Pryor (University of Wales Swansea)
Nov-20	2335	Waves of colonization around the Sea of Moyle: Linking population history, resilience and landscape change of island communities - Lough Barra climate record	Dr Maarten van Hardenbroek (University of Newcastle)
Panel A - Radiocarbon (Environment)			
May-20	2224	Tracing Groundwater Evolution to Predict	Prof David Polya (The University of Manchester)
May-20	2226	Generation of a modern centennial-scale record of El Niño Southern Oscillation (ENSO) variability: effect of the industrial revolution on the ENSO system	Dr Chris Day (The University of Oxford)
May-20	2262	Developing a dating and correlation framework for Palaeoclimate and Archaeological records in the eastern Mediterranean region over the late Quaternary	Prof Simon Blockley (Royal Holloway, University of London)
May-20	2283	First-Order Constraint on the 14C age of Shelf Sea Sediment Carbon Stores	Prof William Austin (University of St Andrews)
May-20	2285		Dr Sarah Woodroffe (Durham University)
Nov-20	2326	Lateglacial to early Holocene abrupt environmental changes in southern England – a case study from Munsley Bog, Isle of Wight	Dr Sabine Wulf (University of Portsmouth)
Nov-20	2327	Dating palaeoshorelines of the Najaf Sea, western Iraq	Dr Becky Briant (Birkbeck College London)
Nov-20	2328	Overton Dogs	Prof Danny McCarroll (University of Wales Swansea)
Nov-20	2329	A comparative study of fluvial and interfluvial peat deposits in the Democratic Republic of Congo	Prof Simon Lewis (University of Leeds)
Nov-20	2330	Frequency of submarine landslides and eruptions in volcanic islands: the Azores	Dr Neil Mitchell (The University of Manchester)
Nov-20	2331	Lake Ushetaika - Rangefinder islands: the Azores	Dr Maarten van Hardenbroek (Newcastle University)
Nov-20	2332	Chronology and prey mobility at the Yana mass accumulation of mammoth (YMAM) in the Russian Arctic	Dr Alexander Pryor (University of Exeter)

NEIF Approved Projects 2020

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Panel B - Life Sciences			
May-20	2264	Stomach content and stable isotope analysis to assess the importance of fisheries discards to black-browed albatross chicks in the Falkland Islands	Dr Stephen C Votier (University of Exeter)
May-20	2265	A new technique for reconstructing past environments: biomarker signals of environmental change in travertine at δ hitlio€Ülu, Western Turkey	Dr Emma J Pearson (Newcastle University)
May-20	2266	Niche separation and population structure of baleen whales in the polar South Atlantic at the start of 20th Century whaling	Dr Tamsin C O'Connell (University of Cambridge)
May-20	2268	Denitrification: methodological fine tuning for quantifying in situ N ₂ and N ₂ O production rates in soils under varied pasture and arable rotations	Dr Sami Ullah (University of Birmingham)
May-20	2271	Temporal Constraints on Cross-Shelf Transport of Terrestrial Organic Carbon	Prof William E N Austin (University of St Andrews)
May-20	2286	Effects of grassland plant diversity and management on the strength and source of greenhouse gas fluxes	Prof Nick J Ostle (Lancaster University)
May-20	2288	Characterising the trophic ecology of UK wrasse species	Prof Stephen D Simpson (University of Exeter)
May-20	2289	New Terrestrial Biomarker Tools	Dr James Bendle (University of Birmingham)
May-20	2290	Exploring the N mining hypothesis %oÜ do ectomycorrhizal trees & shrubs stimulate plant available N fluxes in Arctic soils?	Dr Lorna E Street (University of Edinburgh)
May-20	2293	The role of fisheries discards and natural prey in the trophic structure of a North Atlantic seabird community	Prof Richard A Phillips (BAS Cambridge)
Nov-20	2319	From DO ₃ SE to DnO ₂ SE: modelling the impacts of atmospheric NO ₂ on urban crops	Dr Kirsti Ashworth (Lancaster University)
Nov-20	2320	Sensitivity of near shore Antarctic benthic food webs to global change	Dr David K A Barnes (BAS Cambridge)
Nov-20	2321	Constraining the Isotopic Response of Leaf Material Grown Under Elevated CO ₂	Dr James Bendle (University of Birmingham)
Nov-20	2323	Modeling Prey Isocapes in the North Atlantic for Advancement in Predator Ecology	Dr Clive Trueman (University of Southampton)
Nov-20	2324	Oceanic Anoxic Event Conundrums: Reconciling Palaeontology and Geochemistry	Dr Fiona L Gill (University of Leeds)
Panel C - Geology & Environment			
May-20	2228	Evolving the genetic model for the Cononish Au deposit: from prospect to mine	Prof Adrian Boyce (SUERC, East Kilbride)
May-20	2229	Disentangling Southern Hemisphere climate and environmental interactions of the late Pleistocene	Dr Kristen Beck (University of Lincoln)
May-20	2230	Radiolaria silicon isotopes: calibrating a new palaeoceanographic proxy in the South China Sea	Prof George Swann (University of Nottingham)
May-20	2231	A 10,000 year record of glacier change in Arctic Norway	Prof Christopher R Stokes (Durham University)
May-20	2232	What was the dominant driver(s) of the early Eocene hyperthermal events? New insights from a benthic foraminiferal record from the Indian Ocean (IODP Site U1514)	Dr Kirsty M Edgar (University of Birmingham)
May-20	2233	Isotopic Characterization of Zebra Textures; Implications for the Emplacement of Fault-Controlled Dolomite	Prof Cathy Hollis (University of Manchester)
May-20	2234	Integrity of carbon signatures from the Rhynie Chert and other Devonian fossil plants	Prof John Parnell (University of Aberdeen)
May-20	2236	Investigating and refining the use of oxygen isotopes from chironomid head capsule chitin to record past climatic changes	Dr Stefan Engels (Birkbeck College London)

NEIF Approved Projects 2020

May-20	2237	Determining the isotopic composition of the carbonate standards NBS18, NBS19, IAEA603, UEACMST and UEABEL and the acid fractionation factor for ^{17}O between analyte and carbonate	Prof Paul F Dennis (University of East Anglia)
May-20	2238	Attributing inorganic carbon and alkalinity sources in UK estuaries	Dr Dorothea Bakker (University of East Anglia)
May-20	2239	From migmatite to granite pluton: constraining source and timescale from integrated monazite and zircon geochemistry	Dr Clare Warren (Open University, Milton Keynes)
May-20	2242	High-resolution responses to Holocene environmental shifts in the Balkans	Dr Mick Frogley (University of Sussex)
May-20	2243	Assessing the impact of current and future climate change on UK small lakes	Dr Katherine Selby (University of York)
May-20	2245	Resolving the timing of the local Last Glacial Maximum and penultimate glaciation in the understudied northeast of Patagonia	Dr Andy Hein (University of Edinburgh)
May-20	2246	Reconstructing rapid late-Holocene climate change and glacier behaviour in North Iceland	Dr Timothy Lane (Liverpool John Moores University)
May-20	2247	Archean tectonics: resolving the origin of the Isua supracrustal belt	Dr Jason Harvey (University of Leeds)
May-20	2248	Genesis of ignimbrites at a migrating convergent margin: Atitlán volcanic centre, Guatemala	Dr Chiara Petrone (Natural History Museum London)
May-20	2250	Temporal and spatial transitions between volcanic-rich and volcanic-poor basin fill, and of basalt compositions in the Red Sea Rift	Dr Richard E L Collier (University of Leeds)
May-20	2252	Response of peatlands to future climate change: reconciling palaeoecological and experimental methods	Prof Roland Gehrels (University of York)
May-20	2255	Reconstructing lake levels and palaeohydrology from the Lake Lisan Formation, Jordan	Dr Matthew Jones (University of Nottingham)
May-20	2256	Geologic evolution of the Alu-Dalafilla and Borale volcanic centres, Afar	Dr Thomas Gernon (University of Southampton)
May-20	2257	Patagonian Ice Sheet response during the Last Glacial-Interglacial Transition: glacier dynamics and proglacial lake evolution in the Pico and Cisnes valleys (44-45°S)	Dr Varyl Thorndycraft (Royal Holloway, University of London)
May-20	2258	Understanding the causes and consequences of palaeoenvironmental change in the high latitudes during the Toarcian Oceanic Anoxic Event	Dr Sev Kender (University of Exeter)
May-20	2259	Constraining the rise of complex terrestrial ecosystems	Dr Phil R Wlily (BGS Keyworth)
May-20	2260	Inferring hydroclimate of subtropical Australia through the Holocene	Prof Barry Lomax (University of Nottingham)
Nov-20	2296	Unlocking the secrets of Himalayan earthquakes: Direct dating of active faults in the Himalayan Mountain belt	Dr Catherine Mottram (University of Portsmouth)
Nov-20	2297	Understand Biogeochemical Cycling in a Newly Constructed Wetland for Waste Water Treatment using Nutrient Isotopes	Prof Daren Goody (BGS Wallingford)
Nov-20	2299	Quantifying dissolution and mixing processes with $^{87}\text{Sr}/^{86}\text{Sr}$ in arsenic-impacted groundwaters in Patna, India	Dr Laura A R Richards (University of Manchester)
Nov-20	2301	Using stable isotopes to deliver new insights into mine water geothermal resources	Dr Neil Burnside (University of Strathclyde)
Nov-20	2303	Resolving the 'Problem of the Peak District': determining why the Sr biosphere map and archaeological tooth data do not match	Dr Hannah J O'Regan (University of Nottingham)
Nov-20	2305	Reconstructing the South Asian monsoon during the dynamic Pliocene	Dr Kate Littler (University of Exeter)
Nov-20	2306	Tectonic and age relationships between gold deposits in Baie Verte, Newfoundland (Canada) and County Mayo (Ireland)	Dr Taija Torvela (University of Leeds)
Nov-20	2307	The speleothem phosphate isotope record: Establishing a new proxy for palaeotemperature	Dr Peter M Wynn (Lancaster University)
Nov-20	2308	Reconstructing the strength of the East Asian Monsoon across Termination I from varved Japanese lake sediment	Dr Richard A Staff (SUERC East Kilbride)
Nov-20	2311	Determining the source of methane hotspots in urban waterways	Dr Joshua F Dean (University of Liverpool)
Nov-20	2313	Linking Nitrogen to Oxygen Isotopes as a Tracer for Assimilation of Crustal Materials in Granites	Dr Eva ES Stueeken (University of St Andrews)

NEIF Approved Projects 2020

Nov-20	2314	Reconstructing lake levels and palaeohydrology from the middle-upper part of the Lake Lisan Formation, Dead Sea Basin, Jordan	Dr Matthew D Jones (University of Nottingham)
Nov-20	2315	Late Pliocene and early Pleistocene Indian Summer Monsoon variability in response to climate	Dr Pallavi Anand (Open University Milton Keynes)
Nov-20	2316	Investigating the onset and evolution of Lake Ohrid during the Early Pleistocene	Prof Melanie J Leng (University of Nottingham)
Nov-20	2317	Crystallisation depths and lithospheric thickness at ultraslow-spreading mid-ocean ridges	Dr Johan Lissenberg (Cardiff University)
Nov-20	2318	Constraining rates of peat accumulation and terrestrial mean annual temperature change at four Cretaceous-Palaeogene boundary sites in Canada	Dr Rhodri M Jerrett (University of Manchester)