



UNIVERSITY OF
LINCOLN

UNIVERSITY OF LINCOLN JOB DESCRIPTION

JOB TITLE	Post-Doctoral Research Associate in Coastal Geography				
DEPARTMENT	School of Life and Environmental Sciences (Department of Geography)				
LOCATION	Lincoln Campuses				
JOB NUMBER	CHS028	GRADE	7	DATE	September 2023
REPORTS TO	Dr Mark Schuerch – Associate Professor in Physical Geography				

CONTEXT

The University of Lincoln, Department of Geography, is looking for a highly motivated Post-Doctoral Research Associate (PDRA) to join the *Catchments and Coasts Research Group* and contribute to the delivery of the European REST-COAST project dealing with the *Large scale RESToration of COASTal ecosystems through rivers to sea connectivity* (<https://rest-coast.eu/>). REST-COAST is a large European research project, running from October 2021-April 2026 with 37 partners across Europe. The project aims to promote the large-scale restoration of coastal ecosystem to address some the key global challenges of our time.

The successful candidate will hold a PhD degree in Physical Geography, Environmental Science, or a related discipline, and have a track record of research in coastal environments and ecosystems. Experience in working across different spatial scales, being fluent in at least one common programming language, and have experience working with Geographic Information System will be highly desired for this post. The candidate should further demonstrate willingness and ability to work across disciplines and lead a small team of international researchers.

Being part of this large EU project will allow the post holder to participate in international project meetings, predominantly in mainland Europe, and the establishment of a large international collaboration networks. There will also be limited funding available for participation in international conferences.

JOB PURPOSE

The Post-Doctoral Research Associate is responsible for conducting research on the project, as directed by the Principal Investigator, and is expected to operate with a significant degree of autonomy. They are not expected to operate as an independent researcher.

This post is to support the UoL team to lead on the development of a global cost-benefit analysis of large-scale coastal restoration, particularly focussing on assessing how coastal ecosystems respond to global change and what the contribution of restored coastal ecosystems is to reduce climate-change induced coastal flood risks. This work will involve the development, application, and evaluation of numerical hydrodynamic and conceptual models, working with Geographic Information Systems, handling large geographical datasets, statistically analysing (geospatial) data, and intensely collaborating with researchers from different disciplines, including from engineering, economics, ecology and geography.

The post holder may be required to help supervise the work of more junior researchers, incl. PhD students from Lincoln and beyond and coordinate their research with our national and international collaboration partners.

The PDRA will contribute towards writing the final project report, publishing the project results in international peer-reviewed journals, and present their work at project-internal workshops and international conferences.

KEY RESPONSIBILITIES

Literature Surveys
Undertake literature surveys and other investigations of the state-of-the-art, and prepare reports as required.
Programme of Research
Undertake a programme of research under the direction of the Principal Investigator, demonstrating a significant level of autonomy. Lead in the production of high quality research outputs, including reports, papers and other publications of national/international standing.
Project Management
Perform project management activities, planning, scheduling, monitoring and reporting on progress of research projects.
Liaison and Networking
Identify and liaise with internal and external collaborators, and with colleagues in the Department, maintaining positive and effective working relationships.
Internal Research Activities
Participate in and help to organise internal research activities, including seminars, research meetings and conferences.
Continuous Professional Development
Undertake continuous professional development activities.
Grant Applications
Contribute to the production of grant applications.
Teaching Support
Engage in teaching support activities, up to a maximum of six hours per week, possibly including leading a small number of units (no more than two per annum). Aid in the supervision of postgraduate research students.

In addition to the above, undertake such duties as may reasonably be requested and that are commensurate with the nature and grade of the post.

ADDITIONAL INFORMATION

Scope and dimensions of the role

This is primarily a research-focussed role, with clear objectives in terms of project deliveries. It is a full-time post, fixed-term for 24 months.

Key working relationships/networks

Internal	External
<ul style="list-style-type: none">• Principal Investigator• Head of Research Centre• Head of School• Other research and academic staff within the school	<ul style="list-style-type: none">• Research collaborators• Sponsors and clients



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UNIVERSITY OF LINCOLN PERSON SPECIFICATION

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Selection Criteria	Essential (E) or Desirable (D)	Where Evidenced Application (A) Interview (I) Presentation (P) References (R)
Qualifications:		
PhD or equivalent in Physical Geography, Environmental Science, or a related discipline (good candidates may be accepted with a PhD pending, subject to publication record)	E	A
Extensive knowledge specific to project/area	E	A/I
Experience:		
Extensive experience of relevant research methods	E	A/I
Authorship of research outputs of national/international standing	E	A/I
Experience of research in specific project area i.e. research in coastal environments and ecosystems	E	A/I
Teaching support	D	A/I
Experience in working across different spatial scales	D	A/I
Experience working with Geographic Information System	D	A/I
Skills and Knowledge:		
Ability to design, conduct and project manage original research in the subject area	E	A/I
Excellent written communication, including the ability to write reports and research outputs	E	A/I
Ability to prioritise own workload and work to specified deadlines under pressure	E	A/I
Ability to communicate complex subjects orally	E	A/I
Skills specific to project/area	E	A/I
Fluent in at least one common programming language	D	A/I
Competencies and Personal Attributes:		
Flexible approach to workload	E	I
Ability to work on own and as part of a team	E	I
Enthusiasm and commitment	E	I
Willingness and ability to work across disciplines and lead a small team of international researchers	E	I

Essential Requirements are those, without which, a candidate would not be able to do the job. **Desirable Requirements** are those which would be useful for the post holder to possess and will be considered when more than one applicant meets the essential requirements.

Author	Mark Schuerch	APBP	AH
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