



<b>Job title</b>	Research Associate/Fellow (Title will be 'Research Associate' where an appointment is made before PhD is completed)	<b>Job family and level</b>	Research and Teaching Level 4 (Appointment will be Level 4 Career training grade where an appointment is made before PhD has been completed)
<b>School/ Department</b>	Geography	<b>Location</b>	University of Nottingham

## Purpose of role

To develop and undertake research as part of the international, multi-institutional UKRI GCRF Living Deltas Research Hub ([www.livingdeltas.org](http://www.livingdeltas.org)). The post holder will work under the direct supervision of Dr Virginia Panizzo at University of Nottingham and in close collaboration with colleagues (UK and overseas) from across the Living Deltas Hub, which operates a model of equitable partnership with delta-dwellers and the research community.

The person appointed will be expected to plan and conduct work (including overseas fieldwork) using approaches or methodologies and techniques appropriate to the type of research and will be responsible for writing up their work for publication.

The successful candidate will also be expected to contribute to the formulation and submission of research publications and research proposals, as well as help manage and direct aspects of the project as opportunities allow.

## The UKRI GCRF Living Deltas Hub

The Global Challenges Research Fund (GCRF) is a £1.5 billion fund to address the global issues faced by developing countries. GCRF harnesses expertise of the UK's world-leading researchers to promote the dignity and prosperity for some of the most disadvantaged and hardest to reach people on our planet. Their sheer scale and ambition are what makes them so exciting, with researchers working in partnership with governments, community groups and international agencies across 85 countries. Each Hub has the potential to transform the quality of life for significant numbers of people across the world and help safeguard our planet for future generations.

The Living Deltas Hub has the overarching aim to safeguard delta futures through more resilient communities and sustainable development. River deltas comprise just one per cent of global landscapes yet support over half a billion people. Deltas are vital social-ecological systems and regional food-baskets, but the terrain and the livelihoods of those who rely on them are under threat from human exploitation, environmental degradation and climate change.

Focusing on the Red River and Mekong deltas in Vietnam and the Ganges-Brahmaputra-Meghna delta in Bangladesh and India, the Living Deltas Hub's core aim is a significant contribution to better sustainable development outcomes for developing countries in the region, transforming policy and practice based on new approaches to understanding delta change. The Hub will address the significant social-ecological challenges currently confronting these delta systems in a transdisciplinary manner that responds to the interlinked agenda of the UN Sustainable Development Goals. The Hub is coordinated in Newcastle University and has over 20 partners across the delta regions and the rest of the world.

	<b>Main responsibilities</b> (Primary accountabilities and responsibilities expected to fulfil the role)	<b>% time per year</b>
1	Compile and collate literature and previously published data from the Living Deltas water bodies from South Asian river deltas	15%
2	Construct and maintain a database of chemical and biological information on Living Deltas systems	15%
3	Explore and examine geospatial and temporal patterns of chemical and biological data (including chlorophyll and carotenoid pigments) and their inter-relationships, using statistical analyses and geographical information systems (GIS)	15%
4	Participate in and organize fieldwork in collaboration with project partners, including overseas work in Vietnam, Bangladesh and India.	20%
5	Produce and disseminate high quality research outputs including conference presentations, research papers, knowledge exchange activities and outreach.	15%
6	Support data management and data analysis for the Living Deltas project, with a focus on work package 3 activities.	2%
7	Work as part of a large international research project	2%
8	Work with research partners to develop a Living Deltas Index based on field and data observations.	10%
9	Ensure that appropriate high standards of ethics, safety and safeguarding are maintained in all activities.	2%

10	Undertake other such duties as may be reasonably requested, and that are commensurate with the nature and grade of the post.	2%
11	To plan and manage own research activity and resolve problems, if required, in meeting own/team research objectives and deadlines in collaboration with others.	2%

## Person specification

	<b>Essential</b>	<b>Desirable</b>
<b>Skills</b>	<ul style="list-style-type: none"> <li>• Well acquainted with aquatic monitoring and suitable analytical techniques</li> <li>• Numerical analysis skills including collation and analysis of large and complex datasets</li> <li>• The use and maintenance of databases</li> <li>• Geographical Information Systems</li> <li>• Ability to make decisions and work under own initiative, as well as a team member</li> <li>• Willingness to undertake required training to fulfil the requirements of the role.</li> <li>• Excellent oral and written communication skills, including the ability to communicate with clarity on complex information.</li> <li>• High analytical ability to analyse and illuminate data, interpret reports, evaluate and criticise texts and bring new insights.</li> <li>• Ability to build relationships and collaborate with others, both internally and externally.</li> </ul>	<ul style="list-style-type: none"> <li>• Novel development of numerical and statistical techniques</li> <li>• The construction and maintenance of databases</li> <li>• Use of R for statistical analyses</li> <li>• Application of GIS to environmental problem-solving</li> <li>• Full UK drivers license</li> <li>• Boat safety trained</li> <li>• First aid trained</li> </ul>
<b>Knowledge and experience</b>	<ul style="list-style-type: none"> <li>• Practical experience of laboratory and fieldwork</li> <li>• Good publication record</li> <li>• Dissemination of research findings</li> </ul>	<ul style="list-style-type: none"> <li>• Experience of field work in challenging and varied conditions, fieldwork in tropical environments.</li> <li>• Working as part of an international team</li> <li>• Science communications using a variety of media (including social media)</li> </ul>
<b>Qualifications, certification and training (relevant to role)</b>	<ul style="list-style-type: none"> <li>• PhD in Geography, Biology, Environmental Sciences or other relevant subject (or be close to completion)</li> </ul>	<ul style="list-style-type: none"> <li>• PhD in biostatistics, or numerical aquatic sciences</li> </ul>
<b>Statutory, legal or special requirements</b>	Legally permitted to travel to Vietnam, India and Bangladesh	



As part of this, we welcome a diverse population to join our work force and therefore encourage applicants from all communities, particularly those whose protected characteristics under the Equality Act 2010, are not well-presented in our current staff body.



The University is a signatory of the Declaration on Research Assessment (DORA). As such we commit to focus on the scientific content of publications (where requested or provided as part of the recruitment and selection process) as a basis for review of quality, and consideration of value and impact of research conducted, rather than any proxy measures such as Journal Impact Factor.

## Expectations and behaviours

The University has developed a clear set of core expectations and behaviours that our people should be demonstrating in their work, and as ambassadors of the University's strategy, vision and values. The following are essential to the role:

- Valuing people** Is friendly, engaging and receptive, putting others at ease. Actively listens to others and goes out of way to ensure people feel valued, developed and supported.
- Taking ownership** Is clear on what needs to be done encouraging others to take ownership. Takes action when required, being mindful of important aspects such as Health & Safety, Equality, Diversity & Inclusion, and other considerations.
- Forward thinking** Drives the development, sharing and implementation of new ideas and improvements to support strategic objectives. Engages others in the improvement process.
- Professional pride** Is professional in approach and style, setting an example to others; strives to demonstrate excellence through development of self, others and effective working practices.
- Always inclusive** Builds effective working relationships, recognising and including the contribution of others; promotes inclusion and inclusive practices within own work area.

## Key relationships with others



