

Understanding of the Impacts of Hydrometeorological Hazards in South East Asia - Networking Workshop

Announcement of Workshop – Call for Participants
10-11 October 2017, Jakarta, Indonesia

The deadline for applications is 16:00 (BST) 18 July 2017.
Invited participants will be notified in the week commencing 21 July 2017.

1. Summary

The Natural Environment Research Council (NERC) and the Economic and Social Research Council (ESRC) are inviting applications from UK scientists to attend the networking workshop for the Understanding of the Impacts of Hydrometeorological Hazards programmes NERC and ESRC are developing with partner funding agencies in Indonesia, Malaysia, Viet Nam, Thailand and the Philippines. The workshop will be held in Jakarta, Indonesia on 10-11 October 2017 (the details of the venue will be circulated in due course) and is being hosted by Ministry of Research, Technology and Higher Education of the Republic of Indonesia ([Ristekdikti](#)). Over 2 days the aims of the networking workshop will be:

1. To launch the five 'Understanding of the Impacts of Hydrometeorological Hazards in South East Asia' programme interdisciplinary calls and present an overview of the call aims and objectives.
2. To facilitate links between the UK and South East Asian research communities in the area of hydrometeorological hazards by providing an opportunity for researchers to network and begin to develop ideas to address the aims of the call.

Applications from environmental science, and/or economic and social researchers working in the fields of hydrometeorological hazards, including floods, droughts, landslides and related disciplines are welcome. It is expected that approximately 20 UK participants will be invited to attend and NERC will try to ensure a balance of different disciplines/expertise and the number of attendees from the same institution.

2. Newton Fund Programme

Funding for the UK contribution to the programme is from the [Newton Fund](#). The Newton Fund is an initiative intended to strengthen research and innovation partnerships between the UK and emerging knowledge economies. The Fund forms part of the UK's **Official Development Assistance (ODA)** commitment which is monitored by the [Organisation for Economic Cooperation and Development \(OECD\)](#).

ODA funded activity focuses on outcomes that promote *long-term sustainable growth* and is administered with the promotion of the economic development and welfare of the partner country as its main objective.



3. Background and Aims of the Programme

Five parallel programmes are being developed which aim to improve understanding of the impacts of hydrometeorological hazards, such as floods, droughts, landslides and storm surges, in Indonesia, Malaysia, Viet Nam, Thailand and the Philippines. The partnership is being developed with the following countries:

- Indonesia – The Ministry of Research, Technology and Higher Education of the Republic of Indonesia ([Ristekdikti](#))
- Philippines – The Philippine Council for Industry, Energy and Emerging Technology Research and Development (DOST- [PCIEERD](#))
- Viet Nam – National Foundation for Science & Technology ([NAFOSTED](#))
- Malaysia - Ministry of Higher Education ([MoHE](#))
- Thailand – Thailand Research Fund ([TRF](#))

NERC has a budget for £1.5m (80% FEC) for each programme, which will be matched in terms of research effort by the partner country

In each programme the focus is on identifying, characterising and predicting the environmental variables that influence the occurrence, impact, severity and duration of hydrometeorological hazards in South East Asia to enable increased preparedness and resilience to future events.

Specific scope of each programme is currently under discussion but the research challenges in each programme are likely to include:

- Understanding the susceptibility of different catchments or coastal regions to hydrometeorological hazards by:
 - Exploring how hydrological, sedimentary, geomorphological and subsurface processes control the movement of water during periods of extreme weather; and
 - Determining how different land-use, urbanisation and water resource management practices are mitigating or exacerbating hazard impacts; and
 - Developing models to improve understanding and prediction of the impacts of hydrometeorological hazards.
- Exploring how different environmental variables interact and combine to determine the risks from hydrometeorological hazards
- Exploring whether changes in the way water resources and/or coastal regions are managed can mitigate the risks from hydrometeorological hazards.

Some of the five programmes may also include a social science element; projects in these programmes may also opt to include research on:

- Understanding how governance and institutional arrangements contribute to the risks from hydrometeorological hazards:
 - Determining how local, regional and national governance processes, and the interactions between them, influence the management of hydrometeorological hazards;
 - Exploring the impact of non-water related policies and regulatory regimes, e.g. energy or agriculture, on the management of hydrometeorological hazards; and
 - Studying the effectiveness of policy interventions and incentives, and barriers to uptake, e.g. willingness to pay, regulation, subsidies and enforcement.

These are the first NERC collaborative programmes with counterpart funding agencies in Indonesia, Malaysia, Philippines, Thailand and Viet Nam and it is hoped that this new

programme of activity will provide an opportunity to develop a successful partnership and lay the foundations for future joint activities.

4. Objectives of the workshop

The workshop has two primary objectives:

1. To launch the five 'Understanding of the Impacts of Hydrometeorological Hazards' calls.
2. To facilitate links between the UK and South East Asian research communities in the area of hydrometeorological hazards

The workshop will include an overview of the programme scope and application process, opportunities to network with researchers from the partner countries and begin the development of collaborative research projects, and a field trip to learn more about the flood research being undertaken by the University of Indonesia.

The Newton Fund Managers in the respective countries and regional offices have facilitated the development of these collaborative programmes and will be assisting in the running of the workshop.

5. The workshop – how to apply

The workshop will take place in Jakarta, Indonesia on 10-11 October 2017. Further details of the venue will be circulated to successful applicants in due course.

To attend the workshop you must complete the Understanding of the Impacts of Hydrometeorological Hazards in South East Asia - networking workshop online application form, following the instructions provided on the form **by 16:00 (BST) 18 July 2017**. Late applications will not be considered. Invited participants will be notified in the week commencing 21 July 2017. Submission of the online application form will be taken as indicating availability on the dates of the workshop.

In the online application form applicants should outline how they can contribute to delivering the proposed programme aims and objectives, including why their expertise is relevant, any current overseas collaborations and links (particularly with South East Asia), and their personal rationale for being involved in the workshop.

Please note that the total number of participants from the UK is limited and NERC will try to ensure a balance of different disciplines/expertise and the number of attendees from the same institution. It is expected that approximately 20 UK participants will be invited. Attendance at the workshop does not automatically enable project bids to be submitted or guarantee funding. Conversely, absence does not preclude bidding into the call.

Applicants must be eligible to be a Principal Investigator on a NERC grant¹, i.e. they must reside in the UK and be employed by an eligible UK Research Organisation (Higher

¹ [NERC research grant eligibility](#)



Education Institution, research council institute or a recognised independent research organisation).

Reasonable travel and subsistence expenses for UK participants attending the workshop will be covered in line with NERC policy on recovering travel and subsistence.

The full programme of the workshop and further details will be circulated to successful applicants in September 2017.

Attendance at the workshop does not automatically enable project bids to be submitted or guarantee funding. Conversely, absence does not preclude bidding into the call.

6. For further information please contact:

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