

## **UK-South East Asia Researchers Networking workshop – Understanding the Impact of Hydrometeorological Hazards in South-east Asia – workshop report**

### **1. Workshop Overview**

The Understanding the Impact of Hydrometeorological Hazards in South East Asia UK-South East Asia Researchers Networking workshop took place over two days, 10 – 11 October 2017 in Depok, Indonesia. The Faculty of Mathematics and Natural Sciences (FMIPA), University Indonesia and the Ministry of Research, Technology & Higher Education of the Republic of Indonesia (Ristekdikti) hosted the workshop.

The networking workshop had two overarching aims:

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 Southeast 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.

The emphasis of the workshop was an opportunity for facilitated discussions between researchers and as a result, there was no formal report back from each of the breakout sessions. The contact details and biographies of the researchers who attended the workshop are in the [workshop booklet](#).

### **2. Presentations**

On day one of the workshop there was a series of short presentations to provide an overview of the programme funding agencies and an overview of the call aims and objectives.

#### **• Welcome Address**

Dr Abdul Haris, Dean of FMIPA University Indonesia, Professor Muhammad Anis, Rector of University Indonesia and Dr Muhammad Dimiyati, Director General of Strengthening of Research and Development, Ristekdikti formally opened the workshop.

Dr Muhammad Dimiyati's [welcome address presentation](#) is available from the Understanding of the Impacts of Hydrometeorological Hazards in South East Asia programme webpage.

#### **• Introduction to the Newton Fund**

Nicola Wiley, Regional Director South East Asia UK Science and Innovation Network presented an [overview of the Newton Fund](#).

#### **• Overview presentations**

All funding agencies presented summary of their agency, including its remit and current investments on hydrometeorological hazard research. The aim of these presentations were to provide the researchers with an overview of each of the funding organisations.

The speakers and links to the funding agency presentations are available below:

- [Indonesia – The Ministry of Research, Technology and Higher Education of the Republic of Indonesia](#)

Speaker: Professor Ocky Karna Radjasa, Director for Research and Community Service

- [Philippines – The Philippine Council for Industry, Energy and Emerging Technology Research and Development](#)

Speaker: Nonilo A Pena, Chief Science Research Specialist, Energy and Utilities Systems Technology Development Division

- [Viet Nam – National Foundation for Science & Technology Development](#)

Speaker: Dr Pham Dinh Nguyen, Deputy Director

- [Malaysia - Ministry of Higher Education](#)

Speaker: Ms Siti Fazlina Mohd Sani, Senior Assistant Director, Higher Education Planning & Excellence

- [Thailand – Thailand Research Fund](#)

Speaker: Assoc. Prof. Chanathip Pharino, PhD.  
Director of Public Well-Being

- [UK – Natural Environment Research Council and Economic and Social Research Council](#)

Speaker: Michelle Truman, Senior Programme Manager – Water

- [Programme overview and application process](#)

Dr Ruth Kelman, Head of Water Research at the Natural Environment Research Council provided an overview of the programme and the application process for the call.

Potential applicants are strongly encouraged to read the relevant call documents

A short summary of the key points are listed below:

Overview of the programmes:

- There are five parallel 3-year collaborative research programmes between the UK and each of Indonesia, Philippines, Viet Nam, Malaysia and Thailand
- Through the Newton Fund NERC has secured £1.5m for the UK contribution to each programme and the Southeast Asian country has equivalent contribution
- Anticipate supporting 3-4 projects in each programme
- NERC is managing the call on behalf of all the funding partners.
- NERC will pay the UK researcher costs and the Southeast Asian funder will pay the respective Southeast Asian country costs
- The programmes with Indonesia, Malaysia, Thailand and Viet Nam have a social science element all; including the Philippines have an environmental science scope
- Outputs should enable government, local authorities, civil agencies, businesses and local communities to make decisions about management and mitigation of hazards, hence expected to engage users throughout the project.

## Proposal requirements:

- Proposals for joint collaborative projects are sought
- Project teams should comprise researchers from both countries involved in the call and a Principal Investigator from each country should be nominated
- Applicants encouraged to confirm eligibility with funders before submission – ineligible applicants rejected
- Proposals can have a maximum duration of 36 months and are expected to start in October 2018 – except Ristekdikti funded projects, which will start in early 2019.
- No studentships can be supported under these calls - except for Vietnamese researchers who can include graduate and post-graduate students in their applications

## Application Process

- **Applicants are required to complete a *Notification of Intent (NoI) to submit – deadline 4 December 2017***
- Online form – can be found on the [programme page](#) of the NERC website
- Information required:
  - UK PI, South-East Asian PI
  - Co-Is and Project Partners
  - Project details – title and summary
  - Nominated reviewers
- The Notifications will not be assessed but will be used to check eligibility for funding and plan the proposal assessment process
- **The closing date for the submission of *Full proposals is 21 February 2018***
- UK applicant must submit the application through Research Council's Joint Electronic System - Je-S
- Application should consist of:
  - Je-S proforma
  - Case for support: 1) Track record, 2) Description of Proposed Research and 3) Management Plan
  - UK costs – Common Justification of Resources for UK costs
  - South-East Asian costs – *these vary per country – strongly encouraged to read the relevant call document for specific requirements*
  - Pathways to Impact
  - Outline Data Management Plan
  - Letters of Support
  - ODA statement
  - CVs each named PI, Co-I, research staff post and Visiting Researcher
- South East Asian collaborators should be listed in Je-S as Project Partners
- Full proposals will be internationally peer-reviewed; applicants will have a chance to respond to the reviewers' comments
- The Assessment Criteria will be Research Excellence and Fit to Scheme
- A Moderating Panel comprising members of the UK and Southeast Asian research community and other independent experts will provide funding recommendations

### 3. Facilitated breakout sessions

There were two facilitated breakout sessions on the afternoon of day one. Groups self-organised based on areas of interest to discuss the scientific scope of the programme. Flip charts were setup at the back of the meeting room where researchers posted potential research questions and contact details of researchers interested in the broad topics.

The broad topics and questions were as follows

#### Environmental processes

There were no specific questions raised for this topic.

#### Hazard risk

- Need to make scientific outputs on risk mapping tailored to heads of decision making (Lee Boshier, UK)
- Low cost landslide monitoring systems can also be at the community level
- There is ongoing landslide/flood risk work at British Geological Survey (BGS)
- Multi-hazard assessment in cities e.g. sea-level increase, subsidence, groundwater abstraction, rainfall (Thailand/Vietnam) (BGS, UK)

#### Mitigating Hazards/Water Management

- How can we assess the effectiveness and cost benefit of structural versus ecological hazard mitigation measures?
- What is the 'goal' of different actors/organisations for disaster risk reduction management?
- How can we promote effective governance of water and drought management?
- How do we make developers (and construction sector) more responsible for proactive hazard mitigation? (Lee Boshier, UK)
- Re-design the 'manning equation' for storm water management for tropical areas (Professor Dr Haji Mohd Ekhwan Hj Toriman, Malaysia)

#### Social science aspects

- How do governance arrangements affect the ability of management and actions to achieve change?
- Ecological economy needs to be included
- Regional model media early system – regional survey in Indonesia, Malaysia, Vietnam, Philippines and Thailand
- Stakeholder management needed to solve problems
- How to include vulnerable and marginalised sectors of society in decision making (Lee Boshier, UK)

Researcher contact details related to the broad topics and country can be found in Annex A.

On day two, there were further breakout sessions to discuss stakeholder engagement in relation to the broad themes and the scientific scope of the programme.

#### **4. Questions and Answers**

There was an opportunity for a general question and answer session. The following questions were asked:

##### *1) How many applications can I be a PI?*

Eligibility for funding, including number of permitted applications, is detailed in each of the call documents. UK Investigators may be involved in no more than two proposals in total submitted to these programmes and only one of these may be as the lead Principal Investigator.

##### *2) Are the calls bilateral, or multilateral?*

The calls are bilateral so the UK applicant can partner with only one South East Asian country and the South East Asian country can only partner with the UK.

3) *Who does the Intellectual Property belong to; is it the government, the Newton Fund or another organisation?*

Applicants are expected to comply with national IP policies and guidelines, for example in the UK where IP results from research supported by grants to universities and other eligible bodies, those bodies retain the intellectual property rights (IPR). Applicants are advised to check with the funding agency to see what the rules are for the individual country they are working in. Applicants should also note that funded projects will be required to have a Collaboration Agreement that sets out the roles and responsibilities of the project team and how the project will be managed, including how the IP arising from the project will be managed.

## 5. Fieldtrip

On the afternoon of day two there was a field trip to the Ciliwung riverbank project, a community project cleaning-up and restoring the Ciliwung River and to the University Indonesia.



The Funders would like to thank the meeting delegates for fully engaging in the discussions. In particular, we are grateful to FMIPA, University Indonesia and the Ministry of Research, Technology & Higher Education of the Republic of Indonesia (Ristekdikti) who hosted the workshop.

#### Annex A – Researcher contact details

A full list of the researchers who attended the workshop, including their contact details and their biographies are in the [Networking workshop booklet](#).

<p><b>Environmental Processes</b></p>
<p><b>Indonesia</b></p> <p>The Agency for Meteorology Climatology and Geophysics School of Meteorology Climatology and Geophysics</p> <p><u>Dr Deni Septiadi</u> Assistant Professor Vice Director for Student Affairs and Cooperation Office: Jl. Perhubungan   no.5 Komplek Meteo, Pondok Betung Bintaro-Tangerang (15221), Indonesia Phone: (+621) 73691621, 73691622, 73691623 Mobile: +62 8151869384 Email: <a href="mailto:zeptiadi@yahoo.co.id">zeptiadi@yahoo.co.id</a> <a href="mailto:Deni.septiadi@bmkq.go.id">Deni.septiadi@bmkq.go.id</a></p>
<p><b>Philippines</b></p> <p><u>Maria Aileen Leah G Guzman</u> Ateneo de Manila University Email: <a href="mailto:mguzman@ateneo.edu">mguzman@ateneo.edu</a></p>
<p><b>UK</b></p> <p><u>Andrew McKenzie</u> Groundwater modelling for drought vulnerability British Geological Survey Email: <a href="mailto:aam@bgs.ac.uk">aam@bgs.ac.uk</a></p>

<p><b>Hazard Risk</b></p>
<p><b>Indonesia</b></p> <p>Agency for Meteorology and Climatology and Geophysics <u>Dr Urip Haryoko, MSi.</u> Director for Research and Development Center Residence: Perumahan Jatimulya Jl. Kecapi V Blok C No. 370 Jatimulya-Bekasi-Jawa Barat Tel: 021-8219948 HP.0812 941 0907 Email: <a href="mailto:urip.haryoko@bmkq.go.id">urip.haryoko@bmkq.go.id</a>, <a href="mailto:urip.haryoko@gmail.com">urip.haryoko@gmail.com</a></p>

## **Philippines**

Maria Aileen Leah G Guzman  
Ateneo de Manila University  
Email: [mguzman@ateneo.edu](mailto:mguzman@ateneo.edu)

Dr Francis Uy  
Mapua University Philippines  
Email: [faauy@yahoo.com.ph](mailto:faauy@yahoo.com.ph)  
Email: [faauy@mapua.edu.ph](mailto:faauy@mapua.edu.ph)

Darlene J Occeña-Gutierrez  
Professor of Geography  
University of the Philippines  
Email: [dogutierrez@up.edu.ph](mailto:dogutierrez@up.edu.ph)

## **Mitigating Hazards/Water Management**

### **Indonesia**

Dr Deni Septiadi  
Assistant Professor  
Vice Director for Student Affairs and Cooperation  
Office: Jl. Perhubungan | no.5 Komplek Meteo, Pondok Betung Bintaro-Tangerang  
(15221), Indonesia  
Phone: (+621) 73691621, 73691622, 73691623  
Mobile: +62 8151869384  
Email: [zeptiadi@yahoo.co.id](mailto:zeptiadi@yahoo.co.id)  
[Deni.septiadi@bmkq.go.id](mailto:Deni.septiadi@bmkq.go.id)

Dr Harkunti Rahayu  
Assistant Professor  
Bandung Institute of Technology  
Email: [harkunti@pl.itb.ac.id](mailto:harkunti@pl.itb.ac.id)

Dr Syamsu Rosid  
FMIPA Universitas Indonesia  
Email: [syamsu.rosid@gmail.com](mailto:syamsu.rosid@gmail.com)

Professor Hidayat Pawitan  
Bogor Agriculture University, Bogor, Indonesia  
Email: [hpawitan@gmail.com](mailto:hpawitan@gmail.com)  
Telephone: +62 818974979

### **Malaysia**

Professor Dr. Hj. Mohd. Ekhwan Hj. Toriman  
Deputy Vice Chancellor  
(Research and Innovation Affairs)  
The National University of Malaysia  
43600 UKM Bangi, Selangor Darul Ehsan, Malaysia  
Email: [tnchepi@ukm.edu.my](mailto:tnchepi@ukm.edu.my)

Telephone: +603 8921 5080  
Mobile: +6012 280 8252

Assoc. Prof. Dr. Hafizan Juahir

Chemometrics, Environmental Forensics and Modelling  
Director

East Coast Environmental Research Institute (ESERI)

Universiti Sultan Zainal Abidin

Gong Badak Campus, 21300 Kuala Nerus

Terengganu Darul Iman, Malaysia

Email: [hafizanjuahir@unisza.edu.my](mailto:hafizanjuahir@unisza.edu.my) / [hafizanj@gmail.com](mailto:hafizanj@gmail.com)

Telephone: +609-668 7949 (office) or +6019-365 8671 (HP)

## **Philippines**

Maria Aileen Leah G Guzman

Ateneo de Manila University

Email: [mquzman@ateneo.edu](mailto:mquzman@ateneo.edu)

Dr Francis Uy

Mapua University Philippines

Email: [faauy@yahoo.com.ph](mailto:faauy@yahoo.com.ph)

Email: [faauy@mapua.edu.ph](mailto:faauy@mapua.edu.ph)

Darlene J Occeña-Gutierrez

Professor of Geography

University of the Philippines

Email: [dogutierrez@up.edu.ph](mailto:dogutierrez@up.edu.ph)

Dean, College of Engineering

Professor, Lead of Water Resources Engineering

Mariano Marcos State University

City of Batac, 2906 Bocos Norte, Philippines

Email: [natzalibuyog@yahoo.com](mailto:natzalibuyog@yahoo.com) or [nralibuyog@mmsu.edu.ph](mailto:nralibuyog@mmsu.edu.ph)

Telephone: (63) (077) 600-0459

Celphone: (63) 0917 580 1396

## **Thailand**

Associate Prof Chaiwat Ekkawatpanit PhD

Head of Water Resources Engineering Division

King Mongkut's University of Technology Thonburi

Department of Civil Engineering, Engineering Facility

126 Pracha Uthit Road, Bang Mod, Thung Khru, Bangkok 10140, Thailand

Email: [chaiwat.ekk@kmutt.ac.th](mailto:chaiwat.ekk@kmutt.ac.th)

Mobile: +66 61915 6145

Telephone: +66 2470 9302

## **Vietnam**

Dr Pham Huu Ty

Hue University, Vietnam

Email: [phamhuuty@huaf.edu.vn](mailto:phamhuuty@huaf.edu.vn)



**Social Science****Indonesia**

Kemal Taruc

Lecturer and Researcher

UNTAG

Surabaya Resilience Institute

Campus: Jalan Semolowaru 45 Surabaya 60118, Indonesia

Email: [kemalt@untag-sby.ac.id](mailto:kemalt@untag-sby.ac.id) or [ktaruc@gmail.com](mailto:ktaruc@gmail.com)

Mobile: +62 855 980 1348

Telephone: +62 31 593 1800

**Malaysia**

Assoc.Prof.Dr. Mohd Hairy Ibrahim (Fellow)

SIG Sustainable Development Thru Education

Coordinator: UPSI- Research Development and Education Sustainability for Felda Generation

UPSI Education Research Laboratory (UERL)

Universiti Pendidikan Sultan Idris

35900 Tanjong Malim, Perak, Malaysia

Office Telephone: +605-450 5163

Fax: +605-459 8606

No.HP: +6019-655 6250

Email: [hairy@fsk.upsi.edu.my](mailto:hairy@fsk.upsi.edu.my) or [mdhairyib@gmail.com](mailto:mdhairyib@gmail.com)