

MEMORANDUM OF UNDERSTANDING

Between

NATIONAL UNIVERSITY OF SINGAPORE
Faculty of Arts and Sciences
Department of Geography

And

KHON KAEN UNIVERSITY
Faculty of Medicine
and
Faculty of Humanities and Social Sciences



MEMORANDUM OF UNDERSTANDING

THIS MEMORANDUM OF UNDERSTANDING is made on 8 January 2015.

BETWEEN:

- (1) **NATIONAL UNIVERSITY OF SINGAPORE ("NUS")**, a company limited by guarantee incorporated in Singapore under the Companies Act (Cap. 50) and having its registered address at 21 Lower Kent Ridge Road, Singapore 119077, acting through its Department of Geography, Faculty of Arts and Sciences; and
- (2) **KHON KAEN UNIVERSITY ("KKU")**, a public research university in Thailand and having its principal address at 123 Mittrapharb Rd., Muang, Khon Kaen, 40002, Thailand, acting through its Faculty of Medicine and Faculty of Humanities and Social Sciences,

(hereinafter jointly referred to as the "**Parties**" and singularly as a "**Party**".)

WHEREAS the Parties agree to promote joint research and development activities of mutual interest in accordance with their respective needs and objectives, and shall, by joint agreement, determine the areas and subject of such collaboration, on the basis of the understanding set out in this Memorandum of Understanding ("**MOU**").

1 AREAS OF COOPERATION

The Parties agree to collaborate in the following relevant areas:

- (a) Exchange of scientific, academic, and technical information and appropriate academic materials and other information of mutual interest for which each Party holds intellectual property rights;
- (b) Identification of opportunities for exchanges and cooperation and joint research and development in disciplines of mutual interest as set out in Annex A (Part 1) attached herein. ;
- (c) Identification of opportunities for exchanges and cooperation in teaching activities that are mutually beneficial as set out in Annex A (Part 2) attached herein. ; and
- (d) Assistance in obtaining the necessary research permits and travel documents for students and staff participating in these activities.

2 MANAGEMENT COMMITTEE

The Parties can appoint representatives to manage and oversee the collaborative activities contemplated under this MOU. The representatives of the Parties can meet as and when necessary to review progress in the implementation of activities related to the areas of collaboration, define new areas and programmes of collaboration as well as discuss matters related to this MOU.

3 ARRANGEMENTS AND FUNDING

- 3.1 To implement the collaborative activities envisaged under this MOU, representatives of the Parties may meet periodically to negotiate and conclude specific project agreements and programmes of cooperation, including the terms for their financing, with each other and with other parties provided that neither Party shall have the power to bind the other Party without the other Party's consent in writing.
- 3.2 The financial arrangement relating to each collaborative activity will be in accordance with the specific project agreement and programme of cooperation covering each collaborative activity. The Parties agree that in the absence of any specific agreement to the contrary, all expenses, including but not limited to, salary, travel, living and allied costs relating to each collaborative activity shall be borne by the Party who incurs such expenses.

4 INTELLECTUAL PROPERTY, INVENTIONS AND INNOVATIONS

- 4.1 The terms with respect to title to and exploitation of intellectual property, inventions and innovations (including but not limited to trademarks and service marks, copyright, patents, know-how, designs and confidential information on the subject of such intellectual property, inventions and innovations) will be negotiated on a project-by-project basis in the specific project agreements and programmes of cooperation referred to in Clause 3. Save as aforesaid, nothing in this MOU shall be construed as a license or transfer or an obligation to enter into any further agreement with respect to any intellectual property currently licensed to or belonging to either Party.
- 4.2 All intellectual property held by a Party prior to entering into this MOU or disclosed or introduced in connection with this MOU and all materials in which such intellectual property is held, disclosed or introduced shall remain the property of the Party introducing or disclosing it.

5 PUBLICATION OF ARTICLES

Each Party may, with the written consent of the other Party, such consent not to be unreasonably withheld, publish the findings of the collaborative activities of the Parties in the form of an article in a journal, newspaper or other magazine, provided that where an application for registration of a trademark, service mark or design, or an application for a patent, will be made, such an article shall not be published for a period of up to ninety (90) days for the said application to be made. A copy of the article to be published shall be provided to the Party whose written consent is required hereunder prior to publication of the same for that Party's perusal and written consent.

6 REPRESENTATION TO THE PUBLIC AND CONFIDENTIALITY

- 6.1 Neither Party shall use the name or logo of the other Party for any purpose whether in relation to any advertisement or other form of publicity without obtaining the prior written consent of the other Party.
- 6.2 Notwithstanding the generality of the above, the Parties may notify third parties of the fact that this MOU is in effect.
- 6.3 All information furnished in relation to this MOU by one Party to the other, which is clearly identified as proprietary or confidential at the time of disclosure, will be kept confidential

by the receiving Party, and will not be disclosed to any third party otherwise than to carry out the provisions of this MOU, unless agreed in writing between the Parties.

6.4 The provisions of Clause 6.3 above will not apply to information in the public domain; information in the possession of the receiving Party prior to the disclosure of the information; information which is independently developed by the receiving Party; information required to be released by law; and information which is rightfully received by the receiving Party from third parties without any breach of confidentiality obligations.

6.5 Clauses 6.3, 6.4 and 6.5 will survive the expiry or termination of this MOU for one (1) year from the date of expiry or termination of this MOU.

7 AMENDMENTS

This MOU may be amended and supplemented in writing at any time by the mutual consent of the Parties in writing.

8 TERM OF MOU

8.1 This MOU shall be deemed to have commenced on 8 January 2015 and shall remain in force for a period of five (5) years. Either Party may terminate this MOU by not less than six (6) months' prior written notice to the other Party of its desire to terminate, This MOU may be extended by the mutual agreement of both Parties in writing,

8.2 The termination of this MOU shall not affect the implementation of the projects or programmes established under it prior to such termination.

9 DISPUTE RESOLUTION

Any disputes arising under or in connection with this MOU which cannot be resolved by amicable discussions between the Parties shall be referred to the Presidents of the respective Parties or their nominees for resolution. In the event that no resolution is reached within sixty (60) days of referral of the dispute to each Parties' representatives, either Party may submit the dispute to be finally resolved by way of arbitration in Singapore in accordance with the Arbitration Rules of the Singapore International Arbitration Centre for the time being in force, which rules are deemed to be incorporated by reference in this clause. The Tribunal shall consist of one (1) arbitrator and the language of the arbitration shall be in English.

10 NON-BINDING NATURE OF THIS MOU

Despite the statements and obligations expressed herein and save for Clauses 4, 5, 6 and 8, this MOU is a non-binding expression of the current intentions of the Parties, and neither Party will incur nor be bound to any legal obligations or expense hereunder to the other Party until and unless definitive agreements have been negotiated, approved by the necessary management levels of each Party and executed and delivered by authorised representatives of both Parties. Clauses 4, 5, 6 and 8 shall survive the expiry or termination of this MOU and shall be legally enforceable in accordance with their terms in any court of competent jurisdiction.

11 GOVERNING LAW

This MOU shall be governed by and construed in accordance with the laws of the Republic of Singapore.

IN WITNESS WHEREOF the parties hereto have caused this MOU to be duly executed on the day and year first abovementioned.

SIGNED for and on behalf of
NATIONAL UNIVERSITY OF SINGAPORE
acting through DEPARTMENT OF
GEOGRAPHY,
FACULTY OF ARTS AND SCIENCES



Prof Brenda Yeoh
Dean, Faculty of Arts and Social Sciences



Prof Neil Coe
Head, Department of Geography

SIGNED for and on behalf of
KHON KAEN UNIVERSITY
acting through its FACULTY OF MEDICINE



Assoc. Prof. Charnchai Panthongviriyakul,
MD
Dean, Faculty of Medicine

SIGNED for and on behalf of
KHON KAEN UNIVERSITY
Acting through its FACULTY OF HUMANITIES
AND SOCIAL SCIENCES



Assoc. Prof. Kulthida Tuamsuk, PhD
Dean, Faculty of Humanities and Social
Sciences

Annex A

Part 1

Identification of opportunities for exchanges and cooperation and joint research and development in disciplines of mutual interest.

The following research synergies or topics are envisioned to be encompassed within the framework of this MOU.

- (a) Geospatial dimensions (GIS, spatial modelling, geospatial analysis) of land-use change implications for infection and eventual disease (relating to water-borne bacteria and parasite life-cycles).
- (b) Landscape epidemiology and human behaviour dynamics relating to water-borne bacteria and parasitic life-cycles in the Mekong region.
- (c) Hydrological processes relating to bacteria and parasite life-cycles.
- (d) Development projects (such as irrigation schemes, aquaculture ponds, hydropower, and water diversion schemes) and the implications of these on bacteria and parasite life-cycles, human infection, and disease.
- (e) Explorations into a range of physical – ecological and human interactions relating to water-borne bacteria and parasite life-cycles, human infection and disease.
- (f) Lifestyles, food culture and public health.
- (g) Geographies of public health intervention and the monitoring, control, and prevention of infections and eventual disease.
- (h) Collaborative research for developing comprehensive multi- and inter-disciplinary approaches to public health intervention, education and disease prevention.

Part 2

Identification of opportunities for exchanges and cooperation in teaching activities involving both KKU and NUS students

The following activities are envisioned to occur under within the framework of this MOU.

- (a) KKU will provide specialist training and technical support in key areas of research where they have globally-recognised expertise (such as the Liver Fluke and Cholangiocarcinoma Research Center and the Department of Biochemistry).
- (b) KKU and NUS will provide joint supervision/advising/mentoring of graduate research students which has cross-disciplinary dimensions.
- (c) KKU and NUS will jointly develop field-based projects with both human and physical geography components with a focus on parasite and bacteria life-cycles and public health.
- (d) KKU will host the Department of Geography of NUS students participating in field studies modules and student research, including undergraduate honours theses. Technical support and laboratory access will be provided for such endeavours.
- (e) A buddy scheme will be developed involving undergraduates from both NUS and KKU.