

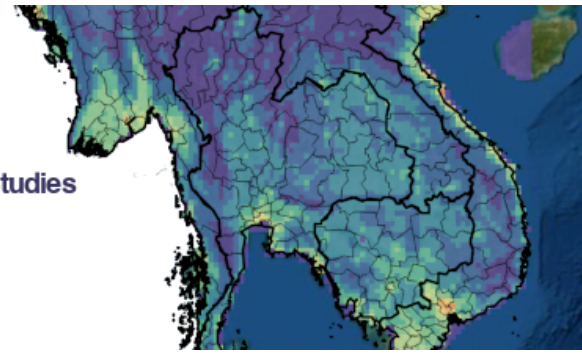


GeoOneHealth 2022

South-East Asia

Symposium on Geospatial Approaches in One Health Studies

5 December 2022, Phnom Penh, Cambodia



The **GeoOneHealth 2022 Symposium** gathers program managers, epidemiologists, data managers, researchers, teachers, students to exchange on the use of mapping and geospatial analysis for applications in the various fields related to "one health" approaches. It aims to highlight the activities carried out in this field in Southeast Asia and create a network of participants to develop future synergies. Represented countries include: Cambodia, Indonesia, Lao-PDR, Myanmar, Thailand, Vietnam.

It is organized by the French National Research Institute for Sustainable Development (IRD), the Institut Pasteur du Cambodge (IPC) and the Shoklo Malaria Research Unit in Thailand, in the frame of:

- the **OHSEA Project (One Health in Practices in South-East Asia), funded by the FSPI (Solidarity Fund for Innovative Projects)** under the French Ministry for Europe and Foreign Affairs,
- the **Dissemination activities of the EASIMES (Environment Analysis and Surveillance to Improve Malaria Elimination Strategy) Project funded by the Global Fund RAI2E.**

The GeoOneHealth 2022 symposium is held **on Monday 5th December 2022**, at the Himawari Hotel, on the banks of the Mekong River, in Phnom Penh, Cambodia.

This symposium is **organized by the GeoHealth IRD-IPC team:**

- Vincent Herbreteau, IRD-Espace-Dev, IRD-IPC GeoHealth Team
- Florian Girond, CDC-MoH - IPC
- Sokeang Hoeun, IRD-IPC GeoHealth Team
- Lucas Longour, IRD-Espace-Dev, IRD-IPC GeoHealth Team

with the help of:

- the regional representative offices of the French National Research Institute for Sustainable Development (IRD) in Cambodia, Indonesia, Laos, Thailand and Vietnam,
- the Shoklo Malaria Research Unit (SMRU): Aung Myint Thu and Kevin Jung Yuan-Lee
- UMR Espace-Dev: Sylvie Laleu, IRD

Webpage: <https://geoonehealth2022.sciencesconf.org/>

Contact: geoonehealth2022@sciencconf.org

Program

Session	Speaker	Title
08:30 - 9:00	Vincent Herbreteau Espace-Dev - French National Research Institute for Sustainable Development (IRD), Cambodia Florian Girond , Institut Pasteur du Cambodge - Cambodian CDC, Cambodia	Introduction
	Session 1	<i>Aedes</i> vectors and dengue (Kraichat Tantrakarnapa - MU, Vincent Herbreteau - IRD)
09:00 - 9:20	Sébastien Boyer , Institut Pasteur du Cambodge (IPC), Cambodia	Seen from above: how satellite technology can fill gaps in mosquito biology
09:20 - 09:40	Kien Quoc Do , Pasteur Ho Chi Minh, Vietnam	Prospect of geo-mapping application in Dengue control in South Vietnam
09:40 - 10:00	Palamy Changleuxai , National University of Laos (NUoL), Lao PDR	Investigating the Relationship between Surface Water and Dengue Fever Incidence: A case study in Vientiane Capital, Laos
10:00 - 10:20	Claire Teillet , Espace-Dev - French National Research Institute for Sustainable Development (IRD), France	Remote sensing analysis of the links between urban landscapes and the risk of exposure to <i>Aedes</i> , vectors of arboviruses
10:20 - 10:50	Coffee break	
	Session 2	Malaria (Aung Myint Thu - SMRU, Rady Try - WHO)
10:50 - 11:10	Ho Quang Phuc , National Institute of Malariology, Parasitology and Entomology (NIMPE), Vietnam	Geographic Information System in malaria surveillance in a context of elimination and post-elimination in Vietnam
11:10 - 11:30	Peeriya Watakulsin , Ministry of Public Health, Thailand	Malaria surveillance in Thailand
11:30 - 11:50	Jordi Landier , SESSTIM - French National Research Institute for Sustainable Development (IRD), France	Forest malaria in Myanmar: tracking landscapes at risk within a hidden diversity of environments
11:50 - 12:10	Florian Girond , Institut Pasteur du Cambodge - Cambodian CDC, Cambodia	Malaria environmental data-driven surveillance system in Eastern Myanmar: development, challenges, and opportunities
12:10 - 14:00	Lunch	
	Session 3	Surveillance (Emilie Mosnier - ANRS, Jordi Landier - IRD)
14:00 - 14:20	Hai Tuan Nguyen , National Institute of Hygiene and Epidemiology (NIHE), Vietnam	Identification of space-time clusters and hotspots in communicable diseases surveillance in Northern Vietnam
14:20 - 14:40	Chung Nguyen , National Institute of Hygiene and Epidemiology (NIHE), Vietnam	Introduction to the plague surveillance system and proposal for detection and mapping of rodent-related pathogens in the northern provinces of Vietnam bordering China and Laos
14:40 - 15:00	Hannah Holt , University of Health Sciences (UHS), Cambodia	Understanding zoonotic and pandemic risk in relation to swine production systems in Cambodia
15:00 - 15:20	Kennarey Seang , University of Health Sciences (UHS), Cambodia	Using community engagement approaches within a digital health intervention to improve access and retention among people living with HIV (PLWH) in Cambodia
15:20 - 15:50	Coffee break	
	Session 4	Spatial approaches and climate (Sébastien Boyer - IPC, Florian Girond - IPC-CCDC)
15:50 - 16:10	Mujiyanto , National Research and Innovation Agency of Indonesia (BRIN), Indonesia	Spatial approach for vector borne and zoonotic diseases research in Indonesia
16:10 - 16:30	Kraichat Tantrakarnapa , Mahidol University, Thailand	Challenge of climate change in public health: Southeast Asia perspectives
16:30 - 16:50	Lea Douchet , Espace-Dev - French National Research Institute for Sustainable Development (IRD), France	Estimating leptospirosis burden in southeast asia and its future evolution based on climate and environmental determinants
16:50 - 17:00	Closing	

Participants

	Country	Institution	First name	Last name
1	Cambodia	ANRS MIE, Cambodia	Emilie	Mosnier
2	Cambodia	French Agricultural Research and International Cooperation Organization (CIRAD)	Hélène	Guis
3	Cambodia	French National Research Institute for Sustainable Development (IRD)	Vincent	Herbreteau
4	Cambodia	French National Research Institute for Sustainable Development (IRD)	Lucas	Longour
5	Cambodia	French National Research Institute for Sustainable Development (IRD) French National Research Institute for Sustainable Development (IRD) - Institut	Adèle	Martial
6	Cambodia	Pasteur du Cambodge (IPC)	Sokeang	Hoeun
7	Cambodia	Institut Pasteur du Cambodge (IPC)	Andréa	Antoniolli
8	Cambodia	Institut Pasteur du Cambodge (IPC)	Heidi	Auerswald
9	Cambodia	Institut Pasteur du Cambodge (IPC)	Sébastien	Boyer
10	Cambodia	Institut Pasteur du Cambodge (IPC)	Julia	Guillebaud
11	Cambodia	Institut Pasteur du Cambodge (IPC)	Thavry	Hoem
12	Cambodia	Institut Pasteur du Cambodge (IPC)	Pum	Leakhena
13	Cambodia	Institut Pasteur du Cambodge (IPC)	Antsa	Rakotonirina
14	Cambodia	Institut Pasteur du Cambodge (IPC)	Sophoannedeh	Rath
15	Cambodia	Institut Pasteur du Cambodge (IPC)	Mala	Sim
16	Cambodia	Institut Pasteur du Cambodge (IPC)	Chantha	Soursdey
17	Cambodia	Institut Pasteur du Cambodge (IPC)	Oudamdaniel	Yanneth
18	Cambodia	Institut Pasteur du Cambodge (IPC)	Sony	Yean
19	Cambodia	Institut Pasteur du Cambodge (IPC) - Cambodian CDC	Florian	Girond
20	Cambodia	Institute of Technology of Cambodia (ITC)	Chanthol	Peng
21	Cambodia	Institute of Technology of Cambodia (ITC)	Vouchlay	Theng
22	Cambodia	Malaria Consortium	Mousumi	Rahman
23	Cambodia	National Institute of Public Health (NIPH)	Vang	Daraden
24	Cambodia	National Institute of Public Health (NIPH)	Sovathiro	Mao
25	Cambodia	National Institute of Public Health (NIPH)	Samnang	Um
26	Cambodia	National Institute of Public Health (NIPH)	In	Wuddhika
27	Cambodia	Royal University of Phnom Penh (RUPP)	Se	Bunleng
28	Cambodia	University of Health Sciences (UHS)	Kennarey	Seang
29	Cambodia	World Health Organization (WHO)	Rady	Try
30	France	French National Research Institute for Sustainable Development (IRD)	Léa	Douchet
31	France	French National Research Institute for Sustainable Development (IRD)	Sylvie	Laleu
32	France	French National Research Institute for Sustainable Development (IRD)	Jordi	Landier
33	France	French National Research Institute for Sustainable Development (IRD)	Pascal	Mouquet
34	France	French National Research Institute for Sustainable Development (IRD)	Claire	Teillet
35	France	University of La Réunion	Christophe	Révillion
36	Great Britain	London School of Hygiene and Tropical Medicine	Hannah	Holt
37	Great Britain	London School of Hygiene and Tropical Medicine	Leung	William
38	Indonesia	National Research and Innovation Agency of Indonesia (BRIN)	Mujiyanto	Sadali
39	Laos	Center for Malariaology, Parasitology and Entomology (CMPE)	Sonvilack	Keomoukda
40	Laos	Center for Malariaology, Parasitology and Entomology (CMPE)	Boualam	Khamlome
41	Laos	Center for Malariaology, Parasitology and Entomology (CMPE)	Ngeun	Phengkammy
42	Laos	National University of Laos (NUoL)	Palamy	Changleuxai
43	Myanmar	Myanmar Health Assistant Association (MHAA)	Win	Toe
44	Myanmar	Save the Children International	Kyaw Nyein Phyto	Lwin
45	Myanmar	UNOPS	Myat Yi	Lwin
46	Myanmar	UNOPS	Maung	Maung
47	Thailand	Mahidol University	Wissanupong	Kliengchuay
48	Thailand	Mahidol University	Niampradit	Sarima
49	Thailand	Mahidol University	Kraichat	Tantrakarnapa
50	Thailand	Office of Disease Prevention and Control 2, Department of Disease Control, Ministry of Public Health	Peeriya	Watakulsin
51	Thailand	Shoklo Malaria Research Unit (SMRU)	Kevin	Jung-Yuan Lee
52	Thailand	Shoklo Malaria Research Unit (SMRU)	Khin Maung	Lwin
53	Thailand	Shoklo Malaria Research Unit (SMRU)	Chanapat	Pateekham
54	Thailand	Shoklo Malaria Research Unit (SMRU)	Aung Myint	Thu
55	Vietnam	National Institute of Hygiene and Epidemiology	Hai Tuan	Nguyen
56	Vietnam	National Institute of Hygiene and Epidemiology	Thanh Chung	Nguyen
57	Vietnam	Pasteur Institute in Ho Chi Minh city	Kien Quoc	Do
58	Vietnam	Pasteur Institute in Ho Chi Minh city	Thi Thanh Thao	Nguyen
59	Vietnam	The National Institute of Malariaology, Parasitology and Entomology (NIMPE)	Ho	Quang Phuc