

International Conference
CLIMATE CHANGE CHALLENGES FOR
THE LOWER MEKONG BASIN REGION:
FINDINGS, CRUCIAL PROBLEMS AND
LESSONS LEARNED FROM ACTION
PLANS TO DATE

September 19th – 21st, 2019

Ho Chi Minh University of Social Sciences and Humanities
10-12 Dinh Tien Hoang Street, Ben Nghe Ward, District 1
Ho Chi Minh City, Vietnam





● INTERNATIONAL CONFERENCE

1. Objectives of the International Conference

This international conference wants to be a transnational platform to survey research and action plans regarding the impact of climate change to the Lower Mekong Basin and will focus on findings, crucial problems and an account of the hitherto impact of existing actions. It will focus on both interdisciplinary and specialized papers by scholars that deal with either local, regional or transnational problems regarding the impact of climate change in areas as diverse as economics, ecology, tourism, agriculture and forestry or water management and education or outreach initiatives.

The conference aims to bring together scholars and researchers of Higher Education and research institutions from the region in order to create a stronger network and foster intraregional collaboration in climate change research and innovation. Stakeholders from industry, NGOs, government and other institutions from the region will be invited in order to take part in the discussions of the findings. The goal is to convey and unite the efforts of researchers and stakeholders in order to reflect and build up on the existing knowledge and boost the efforts in climate change related research and actions in the region.

2. Agenda

Thurs. Sept. 19 th		Venue: Hall D, Building D, USSH
08.00	<i>Arrival and registration</i>	
08.30	Opening Ceremony Prof Phan Thanh Dinh, Vice-President of Ho Chi Minh University of Social Sciences and Humanities Dr Roberto Escarré, Director International Project Management Office, University of Alicante Dr Roderich von Detten, Assistant Professor, Institute of Environmental and Social Science, University of Freiburg	
09.00	The REACT Project: Strengthening Research and Innovation Capacities in Higher Education Institutions in Cambodia, Laos and Vietnam Cristina Beans, REACT Project Manager, University of Alicante	
09.30	Keynote: "An Overview On Climate Change Challenges And Adaptation In The Mekong River Delta of Vietnam"	



	<p>Prof. Le Anh Tuan, Vice director of Research Centre for Climate Change in Mekong Delta (Vietnam)</p> <p>Following Q&A session with audience</p> <p>Prof. Chung Hoang Chuong - Professor, Asian American Studies, City College of San Francisco - Specialist on Southeast Asian American Issues, multicultural studies, vietnamese in the US - as translator</p>
10.15	<i>Coffee Break & Networking</i>
10.45	<p>Climate Change Research – parallel sessions #1 (details below)</p> <ul style="list-style-type: none"> • Agriculture I – Venue: Room A001, Building A. • Water I – Venue: Room D102, Building D. • Transformation of production and consumption system – Venue: Room B006, Building B.
12.30	<i>Lunch</i>
13.45	<p>Climate Change Research – parallel sessions #2 (details below)</p> <ul style="list-style-type: none"> • Agriculture II – Venue: Room D102, Building D. • Climate Change Impacts on Society and Livelihood I – Venue: Room D201, Building D.
15.30	<i>Coffee Break</i>
15.50	<p>Climate Change Research – parallel sessions #3 (details below)</p> <ul style="list-style-type: none"> • Water II – Venue: D102, Building D. • Climate Change Impacts on Society and Livelihood II – Venue: Room D201, Building D.
17.45	<p>The REACT Network for Climate Change Research & Education in Southeast Asia</p> <p style="text-align: right;">– Venue: Room D201, Building D</p> <ul style="list-style-type: none"> • Introducing the REACT Climate Change Network – Dr. Sengdeuane Wayakone, National University of Laos • Signing Ceremony
18.00	<i>Conference Cocktail</i>



Fri. Sept. 20 th		Venue: Room D201, Building D, USSH
08.15	<i>Arrival and registration</i>	
08.30	<p>Keynote : “Global Warming and Economic Development”</p> <p>Prof. Christian De Perthuis, Professor of Economics at Paris-Dauphine University and Head of the Climate Economics Chair (France)</p>	
09.15	<p>Supporting Climate Change Research & Education in Southeast Asia</p> <ul style="list-style-type: none"> ● Session introduction – Prof. Oana Driha, University of Alicante (Spain) ● Supporting Climate Change Research & Education in REACT Universities – Prof. Kim Soben, Royal University of Agriculture (Cambodia) ● A European example: Facing Climate Change with highly-specialised training: engineering for natural risk management – Prof. Giorgio Boni, University of Genoa (Italy) ● Panel: “Supporting Climate Change Research & Education in Southeast Asia” <ul style="list-style-type: none"> ○ Dr. Christian Hartmann – Institut de Recherche pour le Développement & Institut Euro Méditerranéen en Science du Risque (France) ○ Mr. Saysongkham Sayavong – DALaM, Ministry of Agriculture and Forestry (Laos) ○ Prof. Ho Long Phi - Specialist researcher, Centre for Water Management and Climate Change, Viet Nam National University in Ho Chi Minh City. <p>Moderator: Prof Oana Driha, Lecturer and researcher at University of Alicante (Spain)</p>	
10.30	<i>Coffee & Networking with REACT Units</i>	
11.00	<p>Climate Change Research – Plenary session: “Adapting societies in the Lower Mekong River Basin Region to Climate Change”</p> <ul style="list-style-type: none"> ● <i>Principes Legibus Solutus Est Sovereignty, Eco-Politics, and Climate Change in the Lower Mekong Basin Region</i> - Fabio Calzolari, Mae Fah Luang University (Thailand) ● <i>Livelihood Adaptation and Migration under Impact of Climate Change in the Southwest Region of Việt Nam</i> - LE Thanh Sang, SISS Southern Institute of Social sciences (Vietnam) 	



	<ul style="list-style-type: none"> • <i>Climate change adaptations to cities in Mekong Delta Vietnam</i> - Hanh Vu, University of Architecture in Ho Chi Minh City (Vietnam)
12.30	Lunch
13.45	<p>Climate Change Research – parallel sessions #4</p> <ul style="list-style-type: none"> • Economic Development, Politics and Legislation in Climate Change – Venue: D102, Building D • Agriculture III – Venue: D201, Building D • Climate Change and its Challenges for Urban Planning, and Tourism in the Mekong Delta – Venue: D202, Building D
15.45	Coffee & networking
16.15	<p>Closing Panel Discussion- “Climate Change in the Lower Mekong River Basin region: What do we know and what needs to be done?”</p> <p style="text-align: right;">Venue: D201, Building D</p> <p>Panellists:</p> <ul style="list-style-type: none"> • Prof. Ho Long Phi - Specialist researcher, Centre for Water Management and Climate Change, Viet Nam National University in Ho Chi Minh City. • Prof Nguyen Hong Quan - Director of Research Centre for Climate change (Ho Chi Minh City, Vietnam) • Prof. Dr Le Anh Tuan - Vice director of Research Centre for Climate change in Mekong Delta (Can Tho, Vietnam) • Prof. Nguyen Manh CUONG, Deputy General Director of Agency for Southern Affairs, Ministry of Science and Technology (ASA-MOST), Vietnam <p>Moderator: Dr.Ngo Tung Duc - Lecturer and researcher at Hue University of Agriculture and Forestry (Vietnam)</p> <p>Prof. Chung Hoang Chuong - Professor, Asian American Studies, City College of San Francisco - Specialist on Southeast Asian American Issues, multicultural studies, vietnamese in the US - as translator</p>
17.30	Closing remarks & public reading of the REACT Climate Change Network’s <i>Manifesto on Future Steps against Climate Change, the importance of a multidisciplinary research in Higher Education</i>

Sat. Sept. 21st

OPTIONAL CLIMATE CHANGE EXCURSION

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08.30	<p>CAN GIO BIOSPHERE RESERVE AND RESEARCH CENTRE</p> <p>Meeting point: TBD</p> <p>Departure: 07.30</p> <p>Return: 13.00</p> <p>Cost: 810,000 VND/person (including lunch), to be paid at Conference during Registration (previous inscription via email required)</p>
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3. Parallel Session Details

Climate Change Research – Parallel Sessions #1

Agriculture I		Venue: Room A001, Building A, USSH
Thur. 19/09 10.45 – 12.30	<ul style="list-style-type: none"> ● <i>Efficient and Sustain Leafy Vegetables Cultivation Technologies; Case study of Pok Choi Cultivation</i> - Bou Bunthi, Royal University of Agriculture (Cambodia) ● <i>Effects of plant growth-promoting rhizobacteria (Rhizobium sp. NBT625) and (Burkholderia sp. NPD721) on green onion</i> - Tran Thi Giang, BiRDI (Vietnam) ● <i>The Efficiency of Plant Extracts for Antifungal Activity Caused by Aternaria solani on Tomato (Solanum lycopersicum)</i> - Eam Sreynich, Royal University of Agriculture (Cambodia) ● <i>Observed and projected climate change in Cambodia: a synergy of satellite-derived dataset analysis with local farmers' perception</i> - Sophea Tim, Royal University of Agriculture (Cambodia) 	

Water I		Venue: D102, Building D, USSH
Thur. 19/09 10.45 – 12.30	<ul style="list-style-type: none"> ● <i>A Comparison of Hydrological Model for Assessing Impact of Climate Change in a Tropical Catchment</i> - I Putu Santikayasa, Bogor Agricultural University (Indonesia) ● <i>Assessment of Land-use/ Land-cover LULC and Climate change Impacts on future precipitation trends in the Srepok River Basin</i> - Muhammad Touseef, Guangxi University (China) ● <i>The impacts of sea level rise on estuarine and river water salinity</i> - Johana Ataupah, University of New South Wales (Australia) 	



- *Analysis of impacts of climate change and land-use change on water resources in the 3S (Sesan, Sekong, and Srepok) River Basin* - Dao Nguyen Khoi, VNUHCM University of Science (Vietnam)

Transformation of Production and Consumption systems

Venue: B006, Building B, USSH

Thur. 19/09
10.45 – 12.30

- *Energy Efficiency and Climate Change Mitigation in Cambodia* - Tim Samnang (University of Heng Samren Thnongkhmom, Cambodia)
- *Sustainable consumption and production* - Amal Haddouche, Institut Euro-Méditerranée en Science du Risque (France)
- *Potentials of producing solar energy on buildings' roof in district 1, fHoChiMinh City connect to the grid* - Nguyen Thi Van Ha (University of Natural Resources and Environment, Vietnam)

Climate Change Research – Parallel Sessions #2

Agriculture II

Venue: D102, Building D, USSH

Thur. 19/09
13.45 – 15.30

- *Adoption behaviour of climate smart agriculture (CSA) among farmers in the Mekong Delta, Vietnam* - Luu Tien Dung, Lac Hong University (Vietnam)
- *Cropping the future. Climate Change Adaptation at multiple temporal and spatial scales in Lao PDR* - Saysongkham Sayavong, DALaM, Ministry of Agriculture and Forestry (Lao PDR)
- *Some solutions to use agricultural land adapting to climate change in the Mekong Delta* - Pham Phuong Nam, Vietnam Academy of Agriculture (Vietnam)
- *Impact of climate change on sustainable agricultural land use in Vietnam's Mekong Delta.* - Ngo Thi Phuong Thao, National Economics University (Vietnam)

Climate Change Impacts on Society and Livelihood I

Venue: D201, Building D, USSH

Thur. 19/09
13.45 – 15.30

- *"River" (novel) and Some Works of Nguyen Ngoc Tu about Mekong River Delta in the Vision of Ecocriticism* - Tran Le Hoa Trinh, HCM-VNU-University of Social Sciences and Humanities (Vietnam)
- *Adaptive behaviours to saline intrusion of rice farmers in Ben Tre province, Vietnam* - Ngo Thi Thanh Truc, Can Tho University (Vietnam)



- *Impacts of climate change on artisanal fishing and social implications in coastal communities in Central Vietnam* - Huynh T.A. Phuonga, Hue University of Agriculture and Forestry (Vietnam)

Climate Change Research – Parallel Sessions #3

Water II

Venue: D102, Building D, USSH

Thur. 19/09
16.00 – 17.45

- *The probability of disease occurrence in aquaculture sector under climatic events effects: Evidence from shrimp farms in Mekong* - Ngan Thi Thanh Le (Nha Trang University, Vietnam)
- *Impact of climate change on aquaculture land use in coastal communes of Thua Thien Hue province* - Le Ngoc Phuong Quy (Hue University of Agriculture and Forestry, Vietnam)
- *Integration of micro-watershed management to tackle climate change in rural Cambodia* - Siveun Nhak (FAO, Cambodia)
- *Challenges in sustainable use and management of Phuoc Hoa irrigation water sources: Looking from communities in Tan Bien and Duc* - Lê Thị Mỹ (Southern Institute of Social science, Vietnam)

Climate Change Impacts on Society and Livelihood II

Venue: D201, Building D, USSH

Thur. 19/09
16.00 – 17.45

- *Assessment of climate change adaptability of livelihood models implemented in Tra Vinh province, Vietnam* - Nguyen Thanh Tuu (Tra Vinh University, Vietnam)
- *Women and Urban Climate: The Initial Surveys about the Impacts and the Coping Strategies of Flooding in Can Tho City, Vietnam* - Ly Quoc Dang, Chiang Mai University (Thailand)
- *Societal adoption of infrastructure projects: Tracking the implementation of fresh-water policy in the Mekong delta* - Nguyen Hong Quan (Center of Water Management and Climate Change, Vietnam)



Climate Change Research – Parallel Sessions #4

Economic Development, Politics And Legislation In Climate Change		Venue: D102, Building D, USSH
Fri. 20/09 13.45 – 15.45	<ul style="list-style-type: none"> • <i>Developing climate change legislation and related instruments: challenges Thailand is facing</i> - Chacrit Sitdhiwej, Thammasat University Faculty of Law (Thailand) • <i>Climate Change Mitigation in Mekong Delta and International Cooperation between Japan and Vietnam</i> - Megumi Sakamoto/Nguyen Xuan Quynh Nhu, University of Fukushima/Hoa Sen University (Japan/Vietnam) • <i>Challenges of global warming to Vietnam's development in the next decades</i> - Nguyễn Mậu Hùng, University of Sciences, Hue (Vietnam) • <i>Climate change impacts on developing sustainable livelihood of rural households in Mekong Delta</i> - Lam Tran Dinh, Ho Chi Minh City University of Social Sciences and Humanities (Vietnam) 	

Agriculture III		Venue: D201, Building D, USSH
Fri. 20/09 13.45 – 15.45	<ul style="list-style-type: none"> • <i>Drought impact on paddy land use change in urban agricultural area: A case study in Hoa Vang district, Danang city, Central Viet</i> - Tran Thi Phuong, HUAF (Vietnam) • <i>Detection and Management of Tomato Leaf Curl Virus (TLCV) by Using Plant Extract Species to Control Disease Severity and Disease Incidence</i> - Bunseng Lam, RUA (Cambodia) • <i>(26) Simulation of Climate Change Impact on Lowland Paddy Rice Production Potential in Savannakhet Province, Laos</i> - Boulidam Somkhit, NUOL (Laos) 	

Climate Change and its challenges for urban planning, and tourism in the Mekong delta		Venue: D202, Building D, USSH
Fri. 20/09 13.45 – 15.45	<ul style="list-style-type: none"> • <i>The level of sustainable tourism development of the intensive ecological area in climate change context. A case study</i> - Le Thi To Quyen, Can Tho University (Vietnam) 	



- *Climate Change and Adaptive Strategies in Sustainable Cultural Tourism in Luangprabang Lao* - Souksamone Sengchanh, Souphanouvong University (Laos)
- *Social vulnerability assessment in the Saigon Dong Nai Sustainable Flood risk Management Project* - Ha Bui Thi Minh, Ho Chi Minh City University of Social Sciences and Humanities (Vietnam)
- *Risk Assessment of The Vam Thuat River Water Quality for Safety Water* Luong Quang Tuong, Nguyen Tat Thanh University (Vietnam)

The complete Conference Programme & Abstract book is available to download on our website:

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