

The First International Workshop on Human Impacts on Carbon Fluxes in Asian River Systems

Funded by Asia-Pacific Network for Global Change Research

January 11 – 13, 2017
Royal University of Phnom Penh,
Phnom Penh, Cambodia

Workshop Conveners

Project Leader: Ji-Hyung Park, Ewha Womans University, Republic of Korea
Local Organizer: Eliyan Chae, Royal University of Phnom Penh, Cambodia

Sponsors

Asia-Pacific Network for Global Change Research
Ewha Womans University
Royal University of Phnom Penh



Overview

River systems provide various ecosystem services that are crucial for sustaining rapidly expanding population centers across Asia. Despite far-reaching environmental impacts, human-induced perturbations such as impoundments and water pollution have rarely been linked to carbon export and greenhouse gas (GHG) emissions from Asian river systems. An international collaborative research project has been initiated by funding from the Asia-Pacific Network for Global Change Research (APN) with the primary aim of building a research network on carbon fluxes through Asian river systems to assess water pollution impacts on Asian rivers as a C source.

As a core project activity, an annual workshop will be held in a regional hub – Mekong (Southeast), Yellow River (East Asia), and Ganges-Brahmaputra (South) – to synthesize long-term data available from local sources and to test carbon monitoring techniques during a field trip. The objectives of the first workshop in Phnom Penh include: to obtain an overview of the current status and past studies on water pollution and its impacts on riverine C fluxes in each region; to find out long-term data available from local sources with an ultimate goal to produce regional-scale estimates of the riverine C export and GHG emissions; and to disseminate standardized C monitoring methods among project members and other workshop participants through a technical session combined with a field trip. Project members and invited speakers who have worked on aquatic carbon dynamics (e.g., Drs. David Butman and Gordon Holtgrieve, University of Washington) will build ad-hoc review teams to publish review papers identifying key issues and future research needs.

Invitation to the Workshop

Although the oral presentation sessions consist of invited speeches, a poster session is open to other participants. If you want to present a poster or attend the meeting without any presentation, please contact the project leader at jhp@ewha.ac.kr to request an abstract template and hotel reservation (abstract deadline: December 11, 2017). Participants are required to pay registration fee (200 USD) on site, which will cover transportation and meals provided during the workshop and field trip.

Workshop Venue and Accommodation

- Location
The workshop is being held at Royal University of Phnom Penh, Cambodia.
- Accommodation
All workshop participants will stay at Phnom Penh Hotel located at 53 Preah Monivong Blvd (93), Phnom Penh 12201, Cambodia (http://www.phnompenhhotel.com/index.php?route=information/index&category_id=6&mid=4). Reservation is arranged through the local organizer.
- Transportation
Transportation to and from the hotel will be arranged by the local organizer.

Contact Information

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- Local Organizer: Eliyan Chae
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Tentative Schedule

Day 1 (January 11, 2017)	
4:00 pm – 6:00 pm	Registration
6:00 pm – 8:00 pm	Ice breaker reception (for all participants)
8:00 pm – 9:00 pm	Project meeting (for project members only)
Day 2 (January 12, 2017)	
7:00 am – 8:00 am	Breakfast
8:00 am – 12:00 am	Registration
8:30 am – 9:00 am	<i>Welcome and overview of the meeting</i> Ji-Hyung Park (Ewha Womans University, Korea)
9:00 am – 10:00 am	<i>Invited talks</i> David Butman (Univ. Washington, USA) Gordon Holtgrieve (Univ. Washington, USA)
10:00 am – 10:20 am	Break
10:20 am – 12:00 pm	<i>Session on Yellow River</i> Xixi Lu (National Univ. Singapore, Singapore) Lishan Ran (Univ. Hong Kong, China) Ruihong Yu (Univ. Inner Mongolia, China) <i>Session on Ganges-Brahmaputra River</i> VVSS Sarma (Indian Institute of Oceanography, India) Shafi Tareq (Jahangirnagar Univ, Bangladesh)
12:00 pm – 1:00 pm	Lunch
1:00 pm – 2:00 pm	Poster session
2:00 pm – 3:00 pm	<i>Session on Mekong River</i> Jeffrey Richey (Univ. Washington, USA) Eliyan Chae (Royal Univ. Phnom Penh, Cambodia) Do Thi Xuan (Cantho Univ., Vietnam)
3:00 pm – 3:30 pm	Break
3:30 pm – 4:30 pm	<i>Session on carbon monitoring techniques</i> Lishan Ran (Univ. Hong Kong, China) Tae-Kyeong Yoon (Ewha Womans University, Korea) Most Begum (Ewha Womans University, Korea)
4:30 pm – 5:30 pm	<i>Discussion</i>
5:30 pm – 7:00 pm	Free time and dinner
7:00 pm – 8:00 pm	Breakout group discussions
Day 3 (January 13, 2017)	
7:00 am – 8:00 am	Breakfast
9:00 am – 12:00 am	<i>Field trip I</i> (Field tests of monitoring techniques along the Mekong-Tonle Sap)
12:00 pm – 2:00 pm	Lunch and transport
2:00 pm – 5:00 pm	<i>Field trip II</i> (streams and wetlands around Phnom Penh)
5:00 pm – 6:00 pm	Free time
6:00 pm – 8:00 pm	Dinner