

# **The Second International Workshop on Human Impacts on Carbon Fluxes in Asian River Systems**

Funded by Asia-Pacific Network for Global Change Research

February 9 – 11, 2018

Jahangirnagar University (Lake Castle Hotel),  
Dhaka, Bangladesh

## Workshop Conveners

Project Leader: Ji-Hyung Park, Ewha Womans University, Republic of Korea

Local Organizer: Shafi Tareq, Jahangirnagar University, Bangladesh

## Sponsors

Asia-Pacific Network for Global Change Research

Ewha Womans University

Jahangirnagar University



## **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 impoundment 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 supported by 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 is held in a regional hub – the Mekong (Southeast Asia), the Ganges-Brahmaputra (South Asia), and the Yellow River (East Asia) – to synthesize literature information and long-term data available from local sources and to conduct an exploratory study during a field trip. The specific objectives of the second workshop in Dhaka include: to obtain an overview of the current status on water pollution and its impacts on riverine C fluxes in the Ganges and other focal river basins; 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 riverine carbon dynamics will build ad-hoc review teams to publish reviews or primary papers identifying key issues and future research needs.

## **Invitation to the Workshop**

Although the oral presentation sessions consist only of invited speeches, a poster session may be open to other participants upon request. If you want to present a poster or attend the meeting without any presentation, please contact the project leader at [jhp@ewha.ac.kr](mailto:jhp@ewha.ac.kr) to request an abstract template and hotel reservation (abstract deadline: December 22, 2017). Participants are required to pay registration fee (100 USD) on site, which will cover meals and services provided during the workshop and field trip.

## **Workshop Venue and Accommodation**

- Location  
The workshop is being held at Hotel Lake Castle (subject to change).
- Accommodation  
All workshop participants will stay at Hotel Lake Castle (<http://www.hotellakecastle.com/>) through reservation arranged by the local organizer.
- Transportation  
Transportation to and from the hotel will be arranged by the local organizer.

## **Contact Information**

- Project Leader: Ji-Hyung Park
- Tel.:+82-2-3277-2833
  - E-mail: [jhp@ewha.ac.kr](mailto:jhp@ewha.ac.kr)
  - Project homepage: <http://apn.peblab.com>

- Local Organizer: Shafi Tareq
- Tel.:+ 88-1720299364
  - E-mail: [smtareq@yahoo.com](mailto:smtareq@yahoo.com)

## Tentative Schedule

<b>Day 1 (February 9, 2018)</b>	
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)
<b>Day 2 (February 10, 2018)</b>	
7:00 am – 8:00 am	Breakfast
8:00 am – 12:00 am	Registration
9:00 am – 9:30 am	<i>Welcome and overview of the meeting</i> Representative/Shafi Tareq (Jahangirnagar Univ, Bangladesh) Ji-Hyung Park (Ewha Womans University, Korea)
9:30 am – 10:00 am	<i>Invited talk</i> To be invited (The carbon cycle in the Ganges-Brahmaputra)
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) <i>Session on Ganges-Brahmaputra River</i> VVSS Sarma (Indian Institute of Oceanography, India) Sanjeev Kumar (Physical Research Laboratory, 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> Most Begum (Ewha Womans University, Korea) Omme K. Nayna (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
<b>Day 3 (February 11, 2018)</b>	
7:00 am – 8:00 am	Breakfast
9:00 am – 5:00 pm	<i>Field trip</i> (Cruise underway measurements along the Buriganga/Meghna/Ganges)
5:00 pm – 6:00 pm	Free time
6:00 pm – 8:00 pm	Dinner