

7 March 2016

Concept Note



UNITED NATIONS
UNIVERSITY
UNU-IAS

Ministry of Environment and Forestry
Republic of Indonesia



Ministry of the Environment

THE 1ST WUI SYMPOSIUM ON SUSTAINABLE URBAN WATER ENVIRONMENT

1. Background

Rapid population growth and socioeconomic development in an unplanned manner are considered to be the main reasons behind the increasing deterioration of the urban water environment. There is a lack of adequate water management systems to match the pace of rapid urbanization, economic growth and other global changes. One reason for this discrepancy is the lack of appropriate methods for evaluating the benefits of improving the urban water environment. In order to help stakeholders to develop projects aimed at improving the urban water environment, scientific frameworks should be developed to estimate the value of implementing water management systems, both in terms of quality (e.g. wastewater management system) and quantity (e.g. flood mitigation).

The Water and Urban Initiative, an innovative research program of UNU-IAS supported by the Ministry of the Environment, Japan, is working towards enhancing urban water environments in developing Asian cities. The Initiative's researchers are developing scientific tools to forecast the future quality of urban water environments, which are influenced by many factors including population growth, land use change, and climate change. An economic analysis will be conducted to assess the value of improving the water environment, based on a field survey and the results of a water quality and health risk model.

2. Objectives

The overall objective of this symposium and workshop is to discuss innovative and feasible approaches for assessing the value of improved urban water environments. Researchers and experts will discuss various aspects of this "value", including human health risks, ecosystem services, and flood mitigation, in order to establish a useful framework based on sound scientific simulation.

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Researchers, experts, practitioners across different levels and sectors (academia, government and private) and representatives of international donor agencies will jointly discuss the “value” of an improved urban water environment, including human health risks, ecosystem services and flood mitigation. The workshop will help to jointly identify challenges and define areas in which more research is needed in order to better prevent water pollution and improve water quality. The workshop will be organized along with oral presentations and roundtable discussions. Participants are expected to contribute by actively participating in the discussions and by presenting their thoughts, opinions and expectations in order to develop a clear vision of clean urban water environments and ways of creating new policies to achieve this vision.

3. Organizer

UNU-IAS, co-organized by the Ministry of Environment and Forestry, the Government of Republic of Indonesia and the Ministry of the Environment, the Government of Japan

4. Venue and Date

Venue: DoubleTree by Hilton Hotel Jakarta - Diponegoro

(<http://news.doubletree.com/index.cfm/property/detail/8061>)

Date: 10:00 – 15:00 (symposium), 15:30 – 17:00 (workshop), 14 March 2016

5. Proposed Structure of the Symposium and Workshop

9:30	Registration opens
10:00 Opening (15 min)	Opening remarks <ul style="list-style-type: none">○ Prof. Kensuke Fukushi, UNU-IAS○ Mr. Masaaki Kobayashi, Vice-Minister for Global Environment, MOE, Japan
	Welcome remarks <ul style="list-style-type: none">○ M.R.Karliansyah, Director General for Pollution Control and Environmental Degradation, KLHK, Republic of Indonesia
10:15 Session 1 (90 min)	<i>Introducing the WUI project and relevant studies and activities being carried out in Indonesia.</i>
	• Keynote Lecture (30 min) Prof. Tjandra Setiadi, Institut Teknologi Bandung
	• Water and Urban Initiative (20 min) Prof. Kensuke Fukushi, UNU-IAS
	• Presentation 1 (20 min) Ms. Sri Parwati Murwani Budisusanti, KLHK
	• Presentation 2 (20 min) Prof. Prayatni Soewondo, Institut Teknologi Bandung
11:45	Lunch break (105 min)
13:30	<i>Presenting research by the WUI project.</i>

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Session 2 (85 min)	<ul style="list-style-type: none">• Overview of Jakarta water environment (15 min)<ul style="list-style-type: none">○ Dr. Pingping Luo• Climate projections and flood inundation (15 min)<ul style="list-style-type: none">○ Dr. Binaya Kumar Mishra• Water quality modeling (15 min)<ul style="list-style-type: none">○ Dr. Ram Krishna Regmi• Health risk modeling (15 min)<ul style="list-style-type: none">○ Dr. Yoshifumi Masago• Economic evaluation (15 min)<ul style="list-style-type: none">○ Dr. Shokhrukh-Mirzo Jalilov
	Discussion (10 min)
14:55 Closing (5 min)	○ Prof. Kensuke Fukushi, UNU-IAS

Following the symposium, a small group workshop (limited to workshop invitees) will be held for further discussion.

15:30 Workshop (90 min)	<i>UNU and Indonesian researchers and Indonesian stakeholders will discuss key issues related to the quality and economic value of urban water environment</i>
Wrap-up	Remarks from the Chair

6. Expected participants

Stakeholders including policy-makers, international donor agency and NGO representatives, and researchers from Indonesia and other developing countries in Asia

7. Expected Outcomes of the Symposium

- Networking for future collaboration on developing methods to evaluate the value of the water environment
- Developing connections for the possible implementation or utilization of project outcomes