

**Second International TWIN-SEA Workshop on**  
***“Climate and Societal Change in Coastal Areas in  
Indonesia and South East Asia”***

(Updated draft stand March 22, 2015)

**GEDUNG PDII LIPI**  
**Jl. Jend. Gatot Subroto 10, Jakarta,**  
**Indonesia, March 23-24, 2015**

Organized by:



**UNITED NATIONS  
UNIVERSITY**

**UNU-EHS**

Institute for Environment  
and Human Security



**FRANZIUS-INSTITUTE**  
*for Hydraulic, Waterways  
and Coastal Engineering*



**LIPI**

Supported by:



Bundesministerium  
für Bildung  
und Forschung

Contact:

Dr. Matthias Garschagen  
Institute for Environment and Human  
Security (UNU-EHS)

Prof. Yekti Maunati  
The Indonesian Institute of Sciences (LIPI)

UN Campus  
Platz der Vereinten Nationen 1  
53113 Bonn, Germany  
Tel: +49 228 815 0208  
Fax: +49 228 815 0299  
E-Mail: [garschagen@ehs.unu.edu](mailto:garschagen@ehs.unu.edu)  
[www.ehs.unu.edu](http://www.ehs.unu.edu)

Indonesian Institute of Sciences (LIPI)  
Jl. Gatot Subroto 10  
Jakarta 12710, Indonesia  
Email: [yektim@yahoo.com](mailto:yektim@yahoo.com)

## Day 1: Monday, 23<sup>rd</sup> of March 2015

08:30 – 09:00 Registration and welcoming coffee

### I – Introduction to TWIN-SEA Project, Linking the Workshop to the Broader Strategic Planning

**Moderator:** *Dr. Fabrice Renaud*, **Rapporteur:** *Ms Ayu Surtiari*

- 09:00 **Welcome Address and Opening of the Workshop**  
*Prof. Dr. Iskandar Zulkarnain (LIPI)*
- 09:15 **TWIN-SEA and Other Relevant Research Activities on Natural Hazards and Risk in Indonesia and Southeast Asia**  
*Prof. Dr. Torsten Schlurmann (FI)*
- 09:30 **LIPI Medium-Term Strategies, Core Research Topics, and Contribution to Expert Network Building in South East Asia**  
*Dr. Siti Nuramaliati Prijono (LIPI) PRESENTATION*
- 09:45 **Ongoing TWIN-SEA Activities and Guiding Questions For The Workshop**  
*Dr. Matthias Garschagen (UNU-EHS)*
- 10:00 **State of the Art, Workshop Expectations, and Future Perspectives Related to E-Learning within TWIN-SEA**  
*Dr. Joerg Szarzynski (UNU-EHS)*
- 10:15 **Group Picture**  
-10:40 **Press Interview (VIP Room)**  
**Coffee/Tea break (25 minutes)**

### II – Programs and Activities on DRR and CCA at The National and Local Level in Indonesia

**Moderation:** *Prof. Yekti Maunati*, **Rapporteur:** *Mr. Gabriel David*

- 10:40 **Integration of DRR and CCA within the Indonesia National Mid-Term Development Planning 2014-2018**  
*Ms. Tri Dewi Virgiyanti (BAPPENAS)*
- 10:50 **Latest Development on Indonesia Climate Change Adaptation Policy and Programs**  
*Mr. Arif Wibowo (Ministry of Environment)*
- 11:00 **Indonesia Disaster Risk Reduction Policy, to Implement the Sendai Framework for Disaster Risk Reduction 2015-2030**  
*Mr. Lilik Kurniawan (BNPB)*
- 11:10 **Climate Change and the Need for Adaptation**  
*Prof. Dr. Rizaldi Boer (CCROM IPB) PRESENTATION*
- 11:20 **Development the Concept of Vulnerability Assessment in Indonesia for Natural and Climate Change Hazard: Challenges and Opportunities for Implementation.**  
*Dr. Herryal Z. Anwar / Ms. Emilia Yustiningrum (LIPI) PRESENTATION*
- 11:30 **USAID DRR/CCA Programs in Indonesia**  
*Dr. Jennifer Jadin (USAID) PRESENTATION*
- 11:40 **Q&A for the session (30 minutes)**

12:10-13:10 Lunch Break (1 hour)

## Day 1: Monday, 23<sup>rd</sup> of March 2015 (continue)

### III –STATE OF THE ART OF WORKING GROUP II: Vulnerability and Pathways for Adaptation

**Moderation:** *Prof. Torsten Schlurmann*, **Rapporteur:** *Dr Riyanti Djalante*

13.10 **Between Collapse and Transformation: Adaptation Pathways in Coastal Megacities (Skype)**

*Prof. Dr. Mark Pelling (King's College London) VIDEO*

13:25 **Spatial Planning and Risk Reduction: Lessons between Indonesia and Germany? (Skype)**

*Prof. Dr. Joern Birkmann (University of Stuttgart)*

13.40 **Q&A for the session (20 minutes)**

14:00 **Firms' Decision Making under Risk and Regional Adaptive Resilience in Indonesia**

*Prof. Dr. Javier Revilla Diez / Mr. Thomas Neise (University Cologne)*

14.15 **Dynamic Vulnerability in Jakarta: Drivers and Challenges in the Future**

*Prof. Dr. Yekti Maunati (LIPI) / Ms. Ayu Surtiari (LIPI/UNU-EHS)*

14.30 **Q&A for the session (15 minutes)**

**14:45-15:00 Coffee/Tea break (15 minutes)**

### IV –STATE OF THE ART OF WORKING GROUP II: Vulnerability and Pathways for Adaptation (continue)

**Moderation:** *Dr Herry Yogaswara*, **Rapporteur:** *Ms. Syarifah Dalimunthe*

15.00 **DRR and CCA at Coastal Areas and Small Islands**

*Dr. Hendra Yusran Siry (MAAF)*

15:15 **The Relationship between Ethnic Heterogeneity/Homogeneity and the Effectiveness of Collective Coping Capacity to Environmental Risk in Selected Slums in Jakarta**

*Mr. Iker Urdangarin Meabe (UNU-EHS/University of Bonn)*

15.25 **Water Resources In Megacities: Virtual Water Flows and Consumption Economies**

*Ms. Lisa-Michelle Bott / (University Cologne)*

15.35 **Q&A for the session (25 minutes)**

### V –Summary of discussions in day 1

**Moderation:** *Dr. Matthias Garschagen*, **Rapporteur:** *Mr. Antoni Ros Martinez*

16:00 **Joint discussions**

– **Plan for day 2**

17:00 *Dr. Matthias Garschagen (UNU-EHS)*

**End of Day 1**

## Day 2: Tuesday, 24<sup>th</sup> of March 2015

### I - Opening

08.30 **Overview of the day**  
*Dr. Matthias Garschagen (UNU-EHS)*

### II – DRR and CCA Activities in Indonesia

**Moderation:** *Prof Gadis Sri Haryani* **Rapporteur:** *Mr. Iker Urdangarin Meabe*

09:00 **Private Actors involvement in DRR and CCA**  
*Mr. Indrajah Sentil (NAUE GmbH & Co. K)*

09.10 **REDD+ in Indonesia**  
*Mr. Heru Prasetyo (Former Head of Indonesia National REDD+ Agency)*

09:20 **Development of Disaster and Climate Resilient Cities in Indonesia**  
*Prof. Dr. Jan Sopaheluwakan (I3URI – UI)*

09:30 **Progress of Integrating DRR and CCA**  
*Ms. Malisah Amril (UNDP)*

09.40 **BMKG Climate Change Adaptation Programs and Activities**  
*Prof. Dr. Edvin Aldrian (Director of the Center for Research and Development - BMKG)*

09:50 **ACCCRN Program in Indonesia**  
*Ms. Aniessa Delima Sari (Mercy Corps Indonesia)*

10.00 **Q&A for the session (35 minutes)**

**10:35 - 10:50 Coffee Break (15 minutes)**

### III – STATE OF THE ART OF WORKING GROUP I: Ecosystem-based Disaster Risk Reduction

**Moderation:** *Dr Fadjat Lubis*, **Rapporteur:** *Ms. Lisa Michelle-Bott*

10:50 **How are Decision on Eco-DRR taken in Indonesia: Preliminary Results from a Survey Carried Out with National and Local Level Administrations**  
*Dr. Fabrice Renaud (UNU-EHS)*

11.05 **Building Resilience in Coastal Areas. Analysis of the Different Measures Implemented in TimbulSloko, Pilot Scenario for Demak Regency and Java's North Coast**  
*Mr. Antoni Ros Martinez (UNU-EHS)*

11:20 **Climate Change and Water Issues**  
*Prof. Dr. Robert Delinom (LIPI)*

11.35 **Proposed Initiatives to Understand the Performances and Limitations of Ecosystem Services, and to Conserve Ecosystem Services to Minimize Disaster Risk**  
*Dr. Heru Santoso (LIPI)*

11:50 **An Overview of Ecosystem-Based and Low-Regret Coastal Protection Measures In DRR**  
*Mr. Gabriel David (FI) / Mr. Johan Risandi (MAAF)*

12:10 **Q&A for the session (50 minutes)**

**13:00 - 14:00 Lunch Break**

## Day 2: Tuesday 24<sup>th</sup> of March 2015 (continue)

### IV –Break Out Group Session (WG I, II, III) (2 hours 30 minutes)

- 14.00 **Working Group Discussions (2 hours)**  
*Led by Group Leader / Coordinator*
- 16.00 **Coffee Break (10 minutes)**
- 16.10 **Reporting (10 minutes for each WG, total 30 minutes)**

### V – Closing Remarks

**Moderation:** *Dr. Matthias Garschagen*, **Rapporteur:** *Ms. Ayu Surtiari*

- 16:40 **Achievements and Way Forward for TWIN SEA network**
- **Closing Statements: LIPI, FI, UNU,**
- 17:00

## End of Workshop

### Abbreviation

BAPPENAS	National Development Planning Agency
BMKG	Bureau of Meteorology, Climatology, and Geophysics
BNPB	National Disaster Management Agency
CCROM-IPB	Center for Climate Change Research, Bogor Agriculture Institute
FI	Franzius Institute for Hydraulics, Waterways and Coastal Engineering
I3URI	Indonesia International Institute for Urban Resilience and Infrastructure
LIPI	Indonesia Institute of Science
MAAF	Department of Marine Affairs and Fisheries
UI	University of Indonesia
UNDP	United Nation Development Program
UNORCID	The United Nations Office for REDD+ Coordination in Indonesia
UNU-EHS	United Nation University – Institute for Environment and Human Security

### Notes to Presenters:

- For those with 15 minutes presentation, 15 slides maximum please
- For those with 10 minutes presentation, 10 slides maximum please
- Please outline input for discussion rather than detailed discussion
- Make reference / answer the following cross cutting questions,
  1. How do the findings of your presentation relate to the work within TWIN-SEA?
  2. Which are the most pressing remaining knowledge gaps in the field you presented on?
  3. To what extend are the problems and issues raised by you related to gaps in knowledge or rather challenges with implementation and law enforcement? In other words, what can science contribute to the next steps of tackling the problems you referred to?

WORKING GROUPS 1, 2,3

