

First International Workshop
on
***“Climate and Societal Change in Coastal Areas in Indonesia
and South East Asia”***

February 19-22, 2014
Grand Sahid Jaya Hotel, Jakarta, Indonesia

Organized by:



Supported by:



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Wednesday, 19 February 2014

Room: Puri Putri, 2nd Fl.

08:45 – 09:45	Registration
09:45	Welcoming speeches <i>Prof. Lukman Hakim / Chairman of LIPI</i> <i>Prof. Jakob Rhyner / Director of UNU-EHS</i> <i>Mr. Douglas Broderick / UN Resident Coordinator</i> Master of Ceremony: <i>Nirma Yossa</i>
I – Introduction to TWIN-SEA Project, Linking the Workshop to The Broader Ongoing Strategic Planning Moderation: <i>Prof. Yekti Maunati</i> , Rapporteur: <i>Gusti Ayu Ketut Surtiari</i>	
10:15	UNU-EHS strategic researches, TWIN-SEA and other relevant research activities in natural hazards and risk in SEA-region <i>Prof. Jakob Rhyner / UNU-EHS</i>
10:35	LIPI-ICIAR medium-term strategies, core research topics, and contribution to expert network building in South East Asia <i>Dr. Diaz D. Santika / LIPI-ICIAR</i>
10:55	Statements and overarching questions for the workshop <i>Dr. Matthias Garschagen / UNU-EHS</i>
11:15	Role of education and capacity development (and e-learning), expected contributions and joint activities <i>Dr. Jörg Szarzynski / UNU-EHS</i>
11:35	Q&A for the session
II – Coastal hazards, vulnerability and risk profile in Indonesia Moderation: <i>Dr. Neysa Setiadi</i> , Rapporteur: <i>Gusti Ayu Ketut Surtiari</i>	
11:40	Observed and expected CC impacts on various sectors in the coastal areas <i>Drs. Budi Suhardi, DEA / BMKG</i>
12:00	Selected case study & main findings on vulnerability and risk assessment in urban coastal context <i>Dr. Deny Hidayati / LIPI</i>
12:20 – 13:15	Lunch Break
13:15	Coastal Risks, Vulnerability and Resilience in the Phang-Nga Province, Thailand <i>Prof. Javier Revilla Diez / University of Hanover</i>
13:35	Selected case study & main findings on vulnerability and risk assessment in rural coastal context <i>Dr. Herry Yogaswara / LIPI</i>
13:55	Q&A for the session
III – Coastal hazards and climate change impacts on coastal ecosystem services Moderation: <i>Dr. Zita Sebesvari</i> , Rapporteur: <i>Nannina Horstmann</i>	

14:20	Ecosystems for Disaster Risk Reduction and Climate Change Adaptation in the Context of South East Asia <i>Dr. Fabrice Renaud / UNU-EHS</i>
14:40	The Impact Chain of Climate Change on Coastal Region in Indonesia, Sustainable Wetlands Adaptation and Mitigation Program / ecosystem-based adaptation options <i>Mr. Giacomo Fedele / CIFOR</i>
15:00	The importance of higher education research networks to investigate aggravating effects of climate change on species invasion into Indonesian marine ecosystems <i>Dr. Carsten Thoms / DAAD</i>
15:20	Vulnerability, Adaptation and Security of Low Lying Coastal Areas and Small Islands to the Extreme Events: Different Ecosystems in Indonesia <i>Prof. Wahjoe Soeprihantoro / LIPI</i>
15:40	Q&A for the session
16:00 – 16:15	Coffee/Tea Break
IV – ‘Virtual’Expert Panel Discussion – some research elements and reflection on Indonesia context Moderation: <i>Dr. Matthias Garschagen</i> , Rapporteur: <i>Dr. Neysa Setiadi</i>	
16:15 – 17:30	Virtual short statements of TWIN-SEA expert <i>Prof. Dirk Vallée / RWTH Aachen</i> <i>Prof. Stefan Greiving / TU Dortmund</i> <i>Prof. Mark Pelling / Kings College</i> <i>Dr. Nishara Fernando / University of Colombo</i> Moderated discussion on (to be reflected on actual flood management challenges in Jakarta) <ul style="list-style-type: none"> ▪ Challenges of urban community infrastructure planning ▪ Challenges of urban spatial planning and institutions ▪ Challenges of formal and informal adaptations of the urban community ▪ Potentials and challenges of relocation

Thursday, 20 February 2014 Room: Puri Putri, 2nd Fl.	
Reflection on the first day	
09:15	Summary of discussions in day 1: Identified hotspots, key issues, gaps and needs <i>Dr. Matthias Garschagen & Dr. Neysa Setiadi</i>
V – Session on Coastal Management and Low-Regret Adaptation Measures Moderation: <i>Dr. Fabrice Renaud</i> , Rapporteur: <i>Gabriel David</i>	
09:40	Climate Change Adaptation in Indonesia <i>Dr. Arif Wibowo / KLH</i>
10:00	Current efforts on climate change adaptation at various levels <i>Dr. Ari Mochamad /DNPI</i>

10:20	National multiyear-long coastal management strategy <i>Dr. Widjo Kongko / BPPT</i>
10:40	Low-regret adaptation measures, state-of-the-art of hard- and soft-coastal protection measures, potentials and challenges <i>Prof. Torsten Schlurmann / FI Hanover</i>
11:00	Case study on coastal adaptation measures: good and bad practices <i>Dr. Zainal Arifin / LIPI</i>
11:20	Q&A for the session
11:30 – 11:35	Coffee/Tea Break
VI – Session on Assessing Current and Future Vulnerability, and Challenges for Adaptation Moderation: <i>Prof. Tommy Firman, Rapporteur: Dr. Neysa Setiadi</i>	
11:35	Development issues in the coastal areas and impacts of climate change <i>Dr. Tommy Hermawan / BAPPENAS</i>
11:55	Vulnerability and risk research in climate change context, potential and limitation of various methods (e.g. scenario) <i>PD. Dr. Joern Birkmann / UNU-EHS</i>
12:15	Urbanization and adaptive capacity of megacities: The Greater Jakarta <i>Prof. Robert Delinom / LIPI</i>
12:35	Coastal vulnerabilities, risks and adaptation strategies – experiences from Australia and Oceania <i>Prof. John Handmer / RMIT</i>
12:55	Dynamic vulnerability assessment and adaptation options for Indonesia CCA (KRAPI) <i>Mr. Anindito Raphael / GIZ</i>
13:15 - 14:00	Lunch Break
VII – DISCUSSION IN WORKING GROUP Moderation: <i>Moderators & co-moderators of each WG, Rapporteur: assigned by the WGs</i>	
14:00 - 15:30	<p>Goal: This session will focus on identifying research elements - unknown factors where science/further research may contribute - for assessing current and future vulnerability, development pathways and adaptation to coastal hazards in the context of climate change in Indonesia</p> <p>Thematic areas:</p> <p>GROUP 1: <i>Coastal hazards, vulnerability and risk assessment, focus on ecosystem services</i></p> <p>GROUP 2: <i>Socio-economic vulnerability and risk (including scenarios), development pathways, and societal change</i></p> <p>GROUP 3: <i>Coastal management and low-regret adaptation measures</i></p> <p>GROUP 4: <i>Role of educational activities (e.g. e-learning) in promoting DRR & CCA</i></p> <p>NOTE: GROUP 1 and 3 merged due to intersecting themes and interests</p>

15:30 - 16:00	Coffee Break
16:00 - 17:30	Continue working group discussion Presentation of the working group outcomes in the larger group

Friday, 21 February 2014 Room: President Suite, 21st Fl.	
VIII – Collaboration and Cooperation	
08:00 – 10:00	Continue working group discussion Goal: Continue working groups discussion, especially focused on mapping of existing projects / case studies / data where further joint research in scope of TWIN-SEA are suitable, as well as explore potential educational activities in the related activities. Presentation of the working group outcomes in the larger group
10:00 – 11:00	Discussion on educational activities (including e-learning) in the larger group Moderation: <i>Dr. Jörg Szarzynski / UNU-EHS</i>
11.00	Closing Speeches <i>Prof. Jakob Rhyner / UNU-EHS</i> <i>Dr. Diaz D. Santika / LIPI-ICIAR</i>
IX – Internal Meeting TWIN-SEA (LIPI-UNU-EHS)	
14:00 onwards	Further planning & next steps Follow-up workshop outcomes, formulation of research agenda and recommendations, planning of joint pilot activities

Saturday, 22 February 2014	
FIELD EXCURSION <ul style="list-style-type: none"> • Comparative observation of adaptation measures in different social groups: Kamal Muara and Pantai Indah Kapuk • Informal settlement and relocation measures: Waduk Pluit (reservoir) and Rusunawa (low-cost housing) in Muara Angke Organized by LIPI-ICIAR	

Time	Activities	Place
6.30	Preparing to Kamal Muara	Hotel Sahid
7.00	Heading to Kamal Muara	Hotel Sahid
9.30*)	Arrive in Kamal Muara	Kelurahan
9.30-10.30	Community and Household Condition	Kamal Muara
	History of the community	
	Characteristic of Households' Social economic and public facilities	
	People Flooding, inundation, tidal wave, thypoon (community perception)	
	Local adaptation to flooding and inundation	
	<ul style="list-style-type: none"> - Floor elevation - Land elevated by piling clamshell - Some piled sacks of shell 	
	Government program (to decrease impact of flooding and inundation)	
	<ul style="list-style-type: none"> - Sea dyke 	
	<ul style="list-style-type: none"> - Slum upgrading program for slum area in Kamal Muara 	
10.30	Going to "Pantai Indah Kapuk"(PIK), the exclusive housing	
11.00	Arrived in PIK	PIK , Kelurahan Kapuk Muara
11.00-11.45	Travel around PIK	
	<ul style="list-style-type: none"> - Polder system (private) - Lake (is built by the developer of PIK) 	
11.45-12.30*)	Going to Waduk Pluit Lunch (we bring lunch boxes) in the bus	In the bus
12.30-13.30	Arrived in Waduk pluit and travel around Waduk Pluit	Waduk pluit (Pluit reservoir)
	<ul style="list-style-type: none"> - Observing half part of the lake (waduk) that already managed by local government that previously occupied as slum area and current remaining slum area 	
13.30-14.30*)	Going to Muara Angke/Muara Baru	Snack
14.30-15.30	Arrived and travel around at Muara Angke/Muara Baru	
	<ul style="list-style-type: none"> - Low housing (low cost apartment) 	
15.30	Back to hotel	

Coastal hazard, risk, and vulnerability assessment (Ecosystem-services)	<i>Socio-economic vulnerability and risk (incl.scenarios), development pathways, societal change</i>	Coastal management and low-regret adaptation	Role of educational activities (e.g. E-learning) in promoting DRR&CCA
	Identification of problems / questions		
	State of the art and knowledge gaps		
	Resulting research questions		
Workplan for potential collaboration: who (institutions/persons), what (research object), how (methods/data available), where (case studies), timeframe, expected outcomes, other potential collaborators			
Moderators: Dr.Fabrice Renaud, Dr. Heru Santoso	Moderators: Prof. Dr. Yekti Maunati, Dr. Joern Birkmann, Dr. Robert Delinom, Matthias G.	Moderators: Prof. Torsten Schlurmann, Dr. Augy Syahailatua	Moderators: Dr. Joerg Szarzynski, Dr.Erick Tambo, Dr. Rachmat Fajar Lubis

