









# Ongoing TWIN-SEA activities and guiding questions for the workshop

Dr. Matthias Garschagen

Head of Section: Vulnerability Assessment, Risk Management and Adaptive Planning United Nations University – Institute for Environment and Human Security (UNU-EHS)

Prof. Dr. Yekt Maunati LIPI -- Research Center for Regional Resources (PSDR)

#### Goal of TWIN-SEA



"Creating a <u>research network</u> in Southeast Asia with German universities for <u>improving preparedness</u> and developing "<u>low-regret" adaptation measures and strategies</u> to climate change and its related effects induced by natural hazards in the <u>coastal</u> <u>zones</u> in Southeast Asia and <u>Indonesia</u>."

## Key questions and research focus in first funding period (years 1 and 2)



- a) How to identify and <u>assess current</u> and <u>future</u> natural <u>hazards</u> in the context of <u>climate</u> <u>change</u> and <u>climate variability</u> in Indonesia and Southeast Asia?
- b) How to <u>analyze</u> and <u>evaluate present and future vulnerability</u> patterns in selected <u>coastal</u> <u>zones</u> in Indonesia and Southeast Asia?
- c) How to develop <u>scenarios</u> for <u>vulnerability</u> and inter-related, different <u>risk profiles</u> at subnational and local level?
- d) How to assess the **benefits** and **constraints** of different **approaches for risk reduction** and climate change adaptation under **different development pathways**?
- e) How to develop technical <u>"low-regret" adaptation concepts</u> and strategies to assist coping with climate change induced changes and losses by means of altered management approaches, e.g. following the "Working with Nature" concept.
- f) What are the requirements and needs for **online e-learning** material and tools at universities in Indonesia and Germany?
- g) How to enhance the <u>visibility and sustainability</u> of programmes and products of German-Indonesian Science cooperation at the international level?

#### A continuous road ...



- Kick-off workshop in Bogor 2012
- First scientific workshop in Jakarta 2014
- Consolidation of working groups and work plan







## Key achievements of the first scientific workshop in 2014



**UNU-EHS** 

Institute for Environmen and Human Security

- formation of working groups
- definition of research questions
- case studies
  - Jakarta
  - Semarang
  - Makasar
  - Bandar Lampung









## TWIN-SEA Creation of an Expert Network and Twin Institute in Indonesia and for South East Asia

 Adaptation concepts and "low regret" measures to climate change and natural hazards –

1. Zwischenbericht - FKZ 01DP13005 - Anhang 1

1. Jahresbericht

G. David<sup>1</sup>, N. Horstmann<sup>1</sup>, B. Franz<sup>1</sup>, Dr. N. J. Setiadi<sup>2</sup>, G. A. Ketut Surtiari<sup>2,3</sup>, PD Dr. J. Birkmann<sup>2</sup> and Prof. Dr. T. Schlumann<sup>1</sup>



BMBF – Bundesministerium für Bildung und Forschung DLR – Projektträger, Internationales Büro Heinrich-Konen-Straße 1 53227 Bonn

Bericht-Nr. 1, Anhang



## Working groups



#### **WORKING GROUP 1**

Coastal management, ecosystem services and low-regret adaptation

#### **WORKING GROUP II**

Socio-economic vulnerability and risk (including scenarios), development pathways, societal change

#### **WORKING GROUP III**

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:

Prof. Dr. Torsten Schlurmann,
Dr. Augy Syahailatua,
Dr. Fabrice Renaud,
Dr. Heru Santoso

#### Moderators:

Dr. Matthias Garschagen Prof. Dr. Yekti Maunati, Prof. Dr. Joern Birkmann, Prof. Dr. Robert Delinom, Moderators:
Dr. Joerg Szarzynski,
Dr. Rachmat Fajar Lubis, Dr.
Erick Tambo,

## Achievements and ongoing work



**UNU-EHS** 

Institute for Environmen and Human Security

- joint research
  - fieldwork implementation
  - joint conceptual work
  - o etc.
- exchange of guest scientists
  - Prof. Yekti Maunati
  - Dr. Fabrice Renaud
  - M.Sc. students
  - etc.
- additional 'projects' related to TWIN-SEA
  - PhD and M.Sc. students (e.g. PROMOS)
  - LIPI research groups
- joint presentations
  - Deltas in Times of Climate Change
  - o etc.
- drafting of joint publications
  - working paper
  - journal articles
  - o etc.





Inited Nations University – Institute for Environment and Human Security (UNU-EI 53119 Bonn, Germany

ARTICLE INFO

Received 15 May 2013 Revised 23 December 2013 Accepted 21 January 2014

Keywords: Urban governance Climate change adaptation Strategic planning Urban planning Vietnam Indonesia The paper explores new childengs for adaptive unit governance in Egidy dysamic environment, it exa governance in Egidy dysamic environment, it exa the context of climate change, natural hazards and formation. Focusing particularly on energing exon Key pressures for urban governance and planning tests are explored. Against this background requires are experienced, Against this background requires are experienced and planning tests are approximately adaptive urban governance—and strat Compared to earlier papers on urban governance—on the properties of the editors of the adaptivent and model of the papers of the properties of the design of the adaptivent and model of the papers of the page of the pa

governance on the ground, considering particularly for tive planning tools. The findings from the case study and opportunities but also constraints of existing planni strengthen adaptive urban governance. At the same time of gaps have been found between currently debated plan for adaptation and the requirements energing from a strategic planning theory. Recommendations to further adaptive urban governance and strategic planning are to 2014 Elevier Ltd. All right.

\* Corresponding author. Tel.: +49 (0)228 8150208. E-mail address: birkmann@ehs.unu.edu (J. Birkman

http://dx.doi.org/10.1016/j.uclim.2014.01.006 2212-0955/0 2014 Elsevier Ltd. All rights reserv



### Objectives of this workshop



- to present and discuss the past work, <u>preliminary findings</u> and current state of the work within the three working groups, as defined in the last workshop in Jakarta;
- to <u>strengthen</u> the TWIN-SEA expert <u>network</u> through providing the space for exchange and through involving additional experts;
- to discuss and define a work plan for the next two years and the overall future for the TWIN-SEA network.

#### 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 JI. Jend. Gatot Subroto 10, Jakarta, Indonesia, March 23-24, 2015

Organized by:









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

UN Campus
Platz der Vereinten Nationen 1
53113 Bonn, Germany
Tel: +49 228 815 0208
Fax: +49 228 815 0299
E-Mali: garschagen@ehs.unu.edu

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

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

#### Invited presentations: guiding 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 vs. challenges with implementation and law enforcement? In other words, what can science contribute to the next steps of tackling the problems you referred to?



#### Day 1: Monday, 23rd 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)  |  |  |  |
| 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<br>-10:40  | Group Picture Press Interview (VIP Room) Coffee/Tea break (25 minutes)                 |  |  |  |



| II – Pro   | 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)   |  |  |  |  |  |  |  |  |
| 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)                                    |  |  |  |  |  |  |  |  |
| 11.30  | USAID DRR/CCA Programs in Indonesia  |  |  |  |  |  |  |  |  |
|  | Dr. Jennifer Jadin (USAID)   |  |  |  |  |  |  |  |  |
| 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 -STA  | TE 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)                                      |  |  |  |  |  |  |  |
| 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)  |  |  |  |  |  |  |  |
|   |   |  |  |  |  |  |  |  |
| 14:45-1   | 5:00 Coffee/Tea break (15 minutes)  |  |  |  |  |  |  |  |



| IV -ST  | ATE OF THE ART OF WORKING GROUP II: Vulnerability and Pathways for Adaptation      |  |  |  |  |  |  |
|---------|--|--|--|--|--|--|--|
| (contin | ue)  |  |  |  |  |  |  |
| Modera  | ition: 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 - Open   | ning   |  |  |  |
|--|--|--|--|--|
| 08.30  | Overview of the day  |  |  |  |
|  | Dr. Matthias Garschagen (UNU-EHS)  |  |  |  |
| II - DRF   | R 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. Malikah 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 <i>Break</i> (15 minutes)   |  |  |  |



| III – ST  | ATE OF THE ART OF WORKING GROUP I: Ecosystem-based Disaster Risk Reduction              |  |  |  |  |  |  |
|---|---|--|--|--|--|--|--|
| Moderation: Dr Fadjar 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,

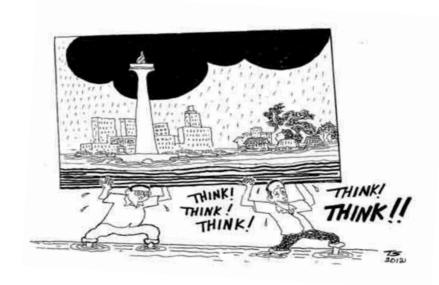
17:00

#### **End of Workshop**

## Break out groups: objectives



- involve new members into working groups !!!
- update and expand on work plan
- plan exchange
  - btw. Germany and Indonesia
  - within Germany and Indonesia
  - btw. scientific and practical partners
- publication strategy
  - JOINT peer-reviewed papers
  - policy briefs
  - etc.
- suggested platforms for exchange
  - newsletter
  - online platform
  - e-learning
- etc.





## Thank you very much for your kind attention!

garschagen@ehs.unu.edu

## TWIN-SEA: Work plan and schedule



- 2 project phases:
  - 1st (years 1 and 2): knowledge generation, development of e-learning material and the development of adaption options ("business opportunities")
  - 2<sup>nd</sup> (years 3 and 4): identification of business cases and orientation towards implementation

| Phase I                             |   | 1 <sup>st</sup> year |     |     |          | 2 <sup>nd</sup> year |     |     |     |
|-------------------------------------|---|----------------------|-----|-----|----------|----------------------|-----|-----|-----|
| WP                                  | Content   | Qt1                  | Qt2 | Qt3 | Qt4      | Qt1                  | Qt2 | Qt3 | Qt4 |
| I                                   | Establishment of cooperation structures: expert network and twin institute  |                      |     |     |          |                      |     |     |     |
| П                                   | Assessment of natural hazards, climate change, climate variability  |                      |     |     |          |                      |     |     |     |
| Ш                                   | Assessment of actual and future vulnerabilities to hazards and climatic stressors identified and assessed in WP II        |                      |     |     |          |                      |     |     |     |
| IV                                  | Identification of key drivers of risks in the past and in the future  |                      |     |     |          |                      |     |     |     |
| v                                   | Development of new methods to capture and assess future vulnerability and risks – e.g. scenario methods for vulnerability |                      |     |     |          |                      |     |     |     |
| VI                                  | Enhancement of methods to evaluate risk reduction and<br>adaptation measures under different development pathways         |                      |     |     |          |                      |     |     |     |
| VII                                 | Knowledge transfer and generation of e-learning modules towards blended learning  |                      |     |     |          |                      |     |     |     |
| VIII                                | Outreach and dissemination  |                      |     |     |          |                      |     |     |     |
| IX                                  | Products and innovation potentials stemming from research results   |                      |     |     |          |                      |     |     |     |
| Phase II (to be further elaborated) |   | 3rd year             |     |     | 4th year |                      |     |     |     |
|                                     |   | Qt1                  | Qt2 | Qt3 | Qt4      | Qt1                  | Qt2 | Qt3 | Qt4 |
| Definition phase                    |   |                      |     |     |          |                      |     |     |     |
| Industry involvement                |   |                      |     |     |          |                      |     |     |     |
| Development of guidelines           |   |                      |     |     |          |                      |     |     |     |





**UNU-EHS** 

Institute for Environment and Human Security

#### adaptive city region

Ш

- Migration still occurs (but can be absorbed by the labour market)
- -Reduced poverty
- Increased social protection
- Old slum areas still there, but no new ones
- Middle class growth innovative job/potential
- High environmental awareness, but challenges still high due to the type of industry which remains
- High demand for transportation (but less than in III)
- Improved housing and slum upgrading
- Still declining environmental conditions, but reduced
- Disaster risk management increasing
- FDI controlled and helps to reduce social-inequality

- High environmental awareness
- Migration reduced
- Large middle-class
- Reduced poverty, increased social security network
- High demand for transportation, but good infrastructure
- Now-new slum development; reduction of old slums
- Strong and visionary governance
- FDI controlled by Local Gov. Revenues help wealth building for all
- Increase in education
- Specific type of education for high tech
- Reduced inequalities
- Reduction of ecological footprint due to investment in high tech
- More green energy
- Increase in green buildings
- Disaster risk management increasing

technology, high-skilled, non-labour intensive city region

#### labour intensive, resource intensive city region; periphery

- Social conflicts remain or even increase
- High-in-migration
- High income inequalities, but less than in IV
- Sligthly reduced poverty, but still high
- Social security network not sufficient
- Strong growth of slum areas particularly in the periphery
- Increase of middle class but not as high as in IV
- Low environmental awareness increase in env. pollution
- Very slow improvement of education
- -High demand for transportation beyond capacities
- Private industry dominates policy making
- FDI not controlled

Ш

- capacities to manage natural hazards not sufficient

- Gap between high skilled labor demand and low qualifications of migrants
- High in-migration, but less than in II
- Very high income inequalities
- Reduced poverty, but still close to poverty line/still high poverty levels
- Social security networks still not sufficient
- Still slum development but slower than II
- Large middle class but priced out of inner city
- Large proportion of middle class not absorbed by high-tech industry
- Low environmental awareness, but less pollution than in II
- Increasing need for transport, but public transport insufficient
- Private industry dominates policy making (high tech industry and global elite)
- FDI not controlled by local gov.

Improved education, but does not meet high tech

I۷

Pulwarty, R. (2013)
Scenarios for vulnerability: opportunities and constraints in the context of climate change and disaster risk. Climatic Change. Online First.

Source: Birkmann, J.; Cutter,

S.; Rothman, D.; Welle, T.;

Preston, B.; Kienberger, S.; Cardona, O.; Siagian, T.; Hidayati, D.; Setiadi, N.;

Garschagen, M.; van Ruijven, B.; O'Neill, B.;

Binder, C.; Hughes, B.;

## Main network partners -- thus far ...



#### Network partners:

- Prof. Dr. Jakob Rhyner, UNU-EHS, Germany
- Dr. Matthias Garschagen, UNU-EHS, Germany
- Prof. Torsten Schlurmann, Leibniz University of Hannover, Germany
- Prof. Jan Sopaheluwakan, Indonesian Institute of Sciences, Indonesia
- Dr. Fabrice Renaud, UNU-EHS, Germany
- Prof. Gadis Sri Haryani, Indonesian Institute of Sciences, Indonesia
- Prof. Jörn Birkmann, University of Stuttgart, Germany
- Prof. Klaus Greve, University Bonn, Germany
- Prof. Dirk Vallée, RWTH Aachen, Germany
- Prof. Stefan Greiving, TU Dortmund, Germany
- Prof. Javier Revilla Diez, University Hannover, Germany
- Dr. Saleemul Huq, IIED, London, UK
- Prof. John Handmer, RMIT University, Melbourne, Australia
- Prof. Mark Pelling, King's College London, UK
- Dr. Nishara Fernando, University of Colombo, Sri Lanka

etc.

