

An aerial photograph of a village with a river and a pond. The village consists of many small, simple houses with thatched roofs, built on stilts. A river flows through the village, and a large pond is visible in the foreground. The surrounding landscape is green and hilly.

A proposed IRDR International Centre of Excellence on
Transforming Development and
Disaster Risk (ICoE-TDDR)

Submitted by
STOCKHOLM ENVIRONMENT INSTITUTE

SEI's vision for ICoE-TDDR

Advanced understanding of transformative pathways for development and disaster risk policy and practice

Aims

Scientific research	To produce research on and for TDDR that enables transformations towards sustainable, equitable and resilient development, and demonstrates the need for greater focus on transformation among the DRR and development research communities, guided by ICoE-TDDR principles, approaches and tools
Policy engagement	To support national and regional government institutions, primarily the Association of Southeast Asian Nations (ASEAN) Member States and Secretariat, in developing transformative DRR and development policies and implementation plans, including those relating to the Sendai Framework for Disaster Risk Reduction 2015-2030 (SFDRR) and the Sustainable Development Goals (SDGs)
Capacity development	To develop the research capacities of scientists in Southeast Asia working to understand and transform the relationship between development and disaster risk for solutions towards equitable, resilient and sustainable development, by establishing an international TDDR Academy.

Understanding the trade-offs between development and disaster risk

- Identifies the trade-offs in development and disaster risk reduction decision-making processes and their potential consequences in creating disaster risks order to make more informed decisions that support sustainable, equitable and resilient development.



Photo:
naturalhazardsnews.wordpress.com/2012/04/10/un-60-of-urban-areas-exposed-to-natural-disasters/

SEI's approach for development-risk trade-offs

- **Power and Involvement:** Who is in and who is out?
- **Equity:** Relates to the uneven distribution of benefits and gains of development-related decisions and pathways.
- **Temporal:** Decisions are always taken at a certain point in time, but the impacts in terms of costs and benefits are often delayed.
- **Risk:** At each level of decision-making, whether individual, community, national and even international, there is always more than one risk that needs to be addressed utilising the limited resources available.
- **Aggregated:** Deals with decision making based on examination of overall development gain vs. disaster risk loss often using aggregate sets of macroeconomic data.

Addressing social equity and justice through equitable social-ecological resilience

- Identifies critical issues that need to be addressed as part of interventions that seek to achieve equitable resilience in a particular context.



Photo: SuSanA Secretariat (2009)

SEI's approach for equitable resilience

- Four key elements of equitable resilience-building:
 1. Recognizing **subjectivities** –how social contexts, relations of power, and the way people are categorized determine social and economic entitlements;
 2. Working towards **inclusion and representation**, and avoiding processes that disenfranchise some groups;
 3. Attending to multiple levels of governance as well as geographical and temporal aspects of **scale**; and
 4. Promoting system(s) **transformation** when existing arrangements degrade well-being or increase risks for sections of society.

Governance arrangements for supporting transformation

- **Adaptive Governance** - Analytical framework for understanding natural resource governance based on interdependence of social and ecological systems.
- **Enables involvement**, collaboration and collective action of relevant actors at multiple scales, and continuous learning for building knowledge and effective management practices.
- **Principles** are polycentric and multi-layered institutions, participation and collaboration, self organisation and networks, learning and innovation.



Photo: ISDR Science & Technology Conference, Geneva, January 2016 (Thomalla).

ICoE-TDDR: Added value for IRDR and SEI

Towards SEI Asia's RDR cluster vision and objectives

- Enhanced reputation and visibility in Asia
- Supports influence on ASEAN and policy-makers
- Connections to other ICoEs and their networks in DRR
- Collaborative fundraising
- Critical mass in expanding SEI Asia hub in Bangkok (strategic geographic location) and SEI globally (Africa, Latin America, Europe, US)
- Hosts ICoE-TDDR and drives the Bangkok-based consortium



Crews search through the rubble after the Nepal earthquake in April 2015.

ICoE-TDDR Leadership and expertise

Hosted by SEI-Asia's Reducing Disaster Risk cluster and SEI's Initiative on TDDR

Dr. Frank Thomalla, SEI Asia	Environmental Science	Hazard, vulnerability, DRR, adaptation, resilience
Dr. Albert Salamanca, SEI Asia	Human Geography	Natural resource management, development, sustainable livelihoods
Dr. Guoyi Han, SEI Stockholm	Geography and Environmental Science	Global environmental change, socio-ecological systems, DRR, GIS
Dr. Jon Ensor, SEI York	Social Science	Participatory DRR & development, social learning, adaptation, power & justice
Ms. Heidi Tuhkanen, SEI Tallinn	Environmental Management	Sustainability, governance, urbanization, ecosystems, development
Dr. Philip Osano, SEI Africa	Geography and Environmental Science	Water, land, ecosystem services, climate change adaptation
Ms. Karlee Johnson, SEI Asia	Development Studies	Inclusive DRR and development, vulnerability, resilience
Mr. Michael Boyland, SEI Asia	Geography	DRR, adaptation, resilience, gender and development
Ms. Natalia Biskupska, SEI Asia	Geography	DRR, development, gender & social equity, programme coordination

SEI's Initiative on TDDR: 2016-2018

Research Objectives

- To generate new knowledge on disaster risks, taking a systems approach to understanding the integration of disaster risk and development practice
 - Identify the trade-offs in development and disaster risk reduction decision-making
 - Examine “equitable resilience” as a goal that can unite development and disaster risk practice
 - Consider the governance arrangements needed to support transformation
- To refine transformative pathways, in order to advance conceptual thinking, theory, methods and tools for reducing risk through building resilience, reducing vulnerability, and preventive risk management.

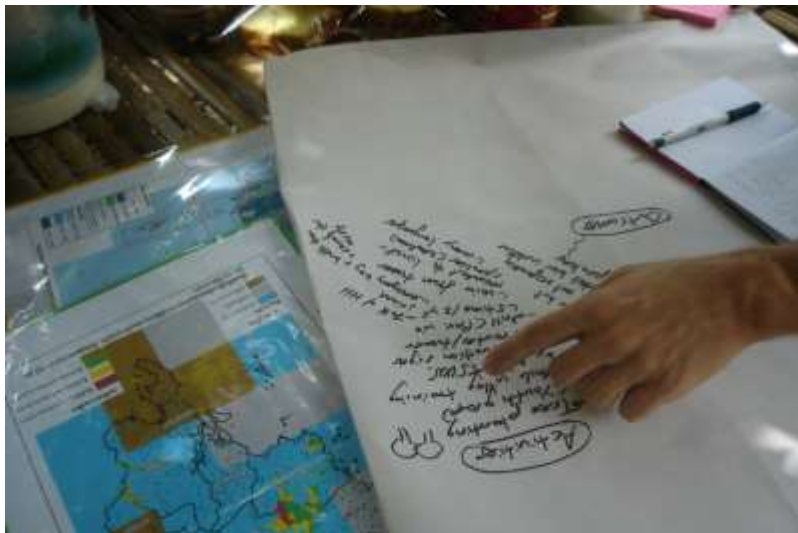
SEI's Initiative on TDDR: 2016-2018

Policy Objectives

- To contribute science that underpins key international and regional policy processes in DRR and development
 - Promote the social and cultural aspects of resilient and sustainable development.
- To co-create the policy guidance and practical tools for researchers and practitioners for TDDR
- To support implementation of the Sendai Framework
- To build the capacities of regional, national and sub-national partners through the establishment of TDDR networks in Southeast Asia and Eastern Africa

SEI and TDDR: Building on prior achievements

- *Risk, Livelihoods and Vulnerability (2001-2009)*
- *Strategy for a Sustainable Recovery and Resilience Building in the Tsunami Affected Region (2005-2009)*
- *Analysis of Longer-term Recovery Following Major Disasters in the Asia Pacific Region: Lessons for Resilient Development, APN-GCR (2014-2016)*
- *Water, Sanitation and Hygiene in Resilient Cities and Urban areas adapting to Extreme waters (WASH & RESCUE), MSB (2011-2013)*
- *Disability-inclusive DRR in Southeast Asia, GRP (2015-present) (GRP)*



SEI and TDDR: Key outcomes

- **Research**
 - UN Environment GEO-6 Regional Assessment for Asia Pacific and Global Assessment
 - Springer book on *DRR in Indonesia*
 - Chapter on *Disasters and development in Southeast Asia* in Routledge Handbook of Southeast Asian Development
- **Funding**
 - TDDR2, SEI (2017-2018)
 - Disability and Disasters: Empowering People and Building Resilience to Risk, Global Resilience Partnership (2015-2017)
 - Equitable Resilience in Local Institutions, British Academy (2016-2018)
- **Networks**
 - Research Cluster on Reducing Disaster Risk at SEI Asia
 - UNISDR STAG and ASTAAG

ICoE-TDDR Partnerships in Asia

ICoE-TDDR Consortium

- ADPC
- Rockefeller Foundation
- Chulalongkorn University



Expanding the ICoE-TDDR network

- ASEAN Secretariat and Member States (AADMER implementation)

ICoE-TDDR Fundraising and networks

Fundraising opportunities

- TDDR Phase II, WP2
- Sida
- Future Earth KAN?



Networks

- ASTAAG
- GADRI
- IAP
- AMCDRR
- UNISDR STAG, S&T Partnership

ICoE-TDDR Activities: 2017-2018

Immediate plans

- ICoE-TDDR financing supported by TDDR2 in Asia, WP2 Transformation in Action
- ASEAN engagement
- Special Issue on TDDR for Journal Sustainability



ICoE-TDDR Activities: 2019 onwards

Long-term plans

- Develop fundraising strategy
- Convene a TDDR conference in Asia



Next steps

- Launching the ICoE-TDDR
 - Press release and website promotion from SEI and IRDR
- Developing a workplan that aligns with IRDR, SEI Asia's RDR cluster
 - Bangkok workshop with consortium members (late 2017?)
- Proposal to ASEAN Secretariat (re. AADMER)
- Concept note to Sida



Thank you for your attention



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