



Gaps in Evacuation Planning for Coastal communities

Case Studies in Myanmar, Sri Lanka & Philippines

Sandpit event discussion and reporting

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Sandpit event discussion and reporting template

<i>Title</i>	Gaps in Evacuation Planning for Coastal communities – Case Studies in Myanmar, Sri Lanka & Philippines
<i>Research area</i>	Several Coastal hazards affect the coastal communities of the respective countries. Most of the coastal communities are vulnerable due to the lack of education, lack of access, informal settlements and living in vulnerable areas. These characteristics are common for partner countries Myanmar, Philippines & Sri Lanka. This study focuses on investigating the gaps in evacuation planning for coastal communities.
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<i>Scope of the challenges relevant to the sandpit</i>	Original sandpit proposal was to investigate the problems in evacuation planning, delays and vulnerable groups. Original proposal was modified to limit the scope of the study into more specific boundaries and the new proposal is to identify the gaps in the said evacuation planning for coastal communities. Three case studies are proposed from Myanmar, Sri Lanka & Philippines. For these three case studies, boundaries of the scope were identified. The scope is limited to several selected coastal communities that affect the most from different coastal hazards. The tool proposed to be used in the study is questioner surveys. Separate questioners are carried out for different stakeholders such as authorities and communities etc.

<p><i>Problems and challenges identified by group members</i></p>	<p>Several problems and challenges were identified;</p> <ul style="list-style-type: none"> • Identification of coastal communities and their participation to the study • Obtaining permission from government agencies • Challenges related to parallel execution of the study in all three countries. <p>Some other important points to be noted are given below;</p> <ul style="list-style-type: none"> • Terminology related to “evacuation”, “resettlement” was identified and defined • English language will be used for all the communications between three countries and local languages within each country will be used for Questionnaire surveys. • Three questioners were developed previously were discussed and updates will be carried out by UOP & UoM. New questioner was drafted for community level at this sandpit. • Statistical evaluations and data analysis will be facilitated and updated by UOP & UoM.
<p><i>Proposed activities with time frames</i></p>	<ul style="list-style-type: none"> • Updating and finalizing the Questionnaires - April 2018 • Submitting Abstracts for ICBR 2018 – 15 April 2018 • Collect data & Analysis – April 2018 – May 2018 • Submit 3 full papers, one from each country to ICBR – 08 June 2018 • Short term scientific missions to the 3 partner countries to experience the status of the coastal communities (Myanmar – Early Oct 2018, Philippines– End of Dec 2018, Sri Lanka – Begin of Jan 2019) • Presentation at ICBR – Nov 2018 • Second phase of data collection – October 2018 – Feb 2019 • Submitting a journal paper (combining data from all three countries) – March 2019 <p>The team is expecting financial support & technical expertise from CABRET for the said activities.</p>
<p><i>Expected outputs or outcomes from the activity</i></p>	<ul style="list-style-type: none"> • Three conference papers from 3 partner countries • One journal paper combining three papers + data gathered in the second phase • Dissemination of work to the stakeholders

Annex 1

Hazards Identified

Evacuation Needed	Hazard	Myanmar	Sri Lanka	Philippines
Pre	Tsunami	2004 & 2017	One time	one in 10 years
Post	Earthquake	Frequent	None	Frequent
Pre	Typhoon	None	None	Frequent
Pre	Storm	Frequent	Common	Frequent
Pre	Floods	Frequent	Frequent	Frequent
Pre	Cyclones	Frequent	Present	None
No	Salt Water Intrusion	Present	Present	Present
Long term - Resettlement (permanent/ Temporary)	Coastal Erosion	Present	Present	Present
No	Damages to coastal eco systems	Present	Present	Present
No	Oil Spills	Present	Only One	Present
Long term - Resettlement (permanent/ Temporary)	Sea Level Rise	Present	Present	Present

Annex 2

Conditions identified

Physical	Myanmar	Sri Lanka	Philippines
Geography	x	x	x
Technology	x	x	x
Transport	x	x	x
Communication	x	x	x
Level of Early Warning	x	x	x
Social			
False Sense of security	x	x	x
Accommodation	x	x	x
Government Policies	x	x	x
Cooperation between Government and the communities	x	x	x
Resources	x	x	x
False Information	x	x	x
Trust issues	x	x	x
Attachment to their properties/ belongings	x	x	x
Level of Experience in dealing with disasters	x	x	x
Responsibility	x	x	x
Training in DM	x	x	x
International Collaboration	x	x	x
Expertise	x	x	x
Economical			
Resources	x	x	x
Training in DM	x	x	x
Monitory Support/ Funding	x	x	x