

**Malaysia Activity Proposal 2  
for WCP GWP-SEA Work Plan 2014 Implementation**

No	Item	Description
1	Country	Malaysia
2	Strategic Goal	S2: Generate and communicate knowledge
3	Goal/Component	WCP Component 3: Knowledge and capacity development.
4	Work Package	Work Package 7: Knowledge and awareness
5	Outcome Challenge	WCP-OC7: Institutions and stakeholders have access to and use information and knowledge on how to enhance water security and climate resilient development.
6	Title of Activity	Community flood-proofing for climate resilience
7	Activity Proponent	
	<ul style="list-style-type: none"> <li>Submission by</li> </ul>	Malaysia Country Water Partnership (MyCWP)
	<ul style="list-style-type: none"> <li>Contact person</li> </ul>	Lead – Dr. Kalithasan, GEC Dato' Ir. Hj. Hanapi Mohamad Noor (hanapi@water.gov.my/ athirahlim@gmail.com) Zelina Z. Ibrahim (zelinazi@gmail.com) for WCP
	<ul style="list-style-type: none"> <li>Contact Address</li> </ul>	MyWP Contact Address
8	Background and Needs Statement	<ul style="list-style-type: none"> <li><b>Background</b></li> </ul> <p>Present climatic models show that emissions such as CO<sub>2</sub>, have already generated significant variations in global climate and in particular, to the regional and local hydrological cycle. Down-scaling of the global climate predictions have been carried out for Malaysia by the National Hydraulic Research Institute of Malaysia. The results indicate increasing incidence of both lower and higher rainfall, resulting in extended drought periods and increasing intensity and duration of storm rainfalls.</p> <p>In Malaysia flooding is an issue affecting most states, and communities need to know and learn to be resilient against the expected more frequent and higher intensity floods resulting from climate change.</p> <p>In 2012, MyCWP, through the Malaysian Water Partnership (MyWP) and MyCBNet, initiated a national programme on community-based response to Integrated Flood Management (IFM), partially supported by GWP funding. The one-day programme was held in Kuala Lumpur with over 200</p>

	<p>participants attending. Another programme was then conducted in Kuantan, on the east coast of Peninsular Malaysia, in 2013, also partially supported by GWP funding. The programmes were successful in raising awareness and in producing a simple book on flood awareness for the community level.</p> <p>Continuing with the successful reception of the community awareness programme on integrated flood management (IFM), we propose that a community awareness and flood-proofing facilitation module for Integrated Flood Management be developed for implementation and dissemination for all stakeholders.</p> <p>This programme is aligned to the National Water Resources Action Plan (NWRP) Strategic Action Plan 68, 'Formulate programmes or activities to suit particular target groups or situations or needs', under Strategy 28, 'Strengthen existing awareness programmes and campaigns to suit goals for water resources security and sustainability', for Target 18, 'Improve Understanding and Awareness of the Importance of Water Resources Security and Sustainability' under the Core Area 4 for 'Capacity Building and Awareness'.</p> <p>The Second National Communication (NC2) recognized that floods have important socio-economic effects on the country, and that these events may increase with climate change. There are serious concerns that in future what might happen is that ' Higher rainfall and extreme flows increase the severity of floods in affected areas whilst increasing the likelihood of floods in presently unaffected areas'. In section 4.8.1, Water Resources, the report advocates that measures to 'Complement structural approaches with non-structural approaches such as improved rainfall and flood forecasting, disaster warning systems and flood hazard mapping as part of a coordinated disaster prevention and management plan'.</p> <p>The programme is aimed at educating the community and getting them to understand both the structural measures and the non-structural measures being implemented in flood mitigation by the government. This also needs to be supported with community pro-activeness in taking steps in flood-proofing themselves against the effects of flood by enhancing self- preparedness through understanding the changing temporal and spatial nature of floods due to climate change.</p> <ul style="list-style-type: none"> <li>• <b>Relevance to WP7 Specific Objectives</b></li> </ul> <p>This process shall support the specific work package</p>
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		<p><b>objective bullet 1.</b> To ensure effective communication with stakeholders on water security and climate resilient development.</p> <p>The activity shall also implement specific <b>objective bullet 2.</b> To enhance understanding of issues around water security and climate resilience with a wide range of stakeholders.</p> <ul style="list-style-type: none"> <li>• <b>Activities</b></li> </ul> <p>The project activities focus on developing the <b>Communication Strategy, Developing strategic messages, Outreach and Knowledge sharing</b> with the local community.</p> <p>MyCWP shall partner with the Drainage and Irrigation Department Malaysia (DID), Ministry of Natural Resource and Environment, as well as the natural disaster response teams at the National Security Council. An organizing committee shall be formed to lead the preparation of the module and its implementation.</p> <p>The committee shall identify the direction of the communication strategy to ensuring a local-level impact of the message on awareness of flood-proofing and adaptation measures needed due to shifting weather patterns. The approach to be taken in communicating the message effectively shall be discussed with the technical experts identified to develop the awareness and facilitation module.</p> <p>The technical and communication facilitation expert consultants shall outline and develop the awareness and facilitation module, including consideration of the previous experiences in community-based flood response training materials.</p> <p>The site for implementation of the facilitation activity shall be identified together with the participants. Brochures, activity web page and publicity materials shall be developed for dissemination. The outreach for the messages is targeted at the different community sectors and levels at the implementation site.</p> <p>The awareness and facilitation activity shall also include knowledge sharing sessions to involve the participants in relating their experiences and issues. Feedback on the module and other flood-warning systems available to them shall be solicited. These shall be incorporated into a report of the module activity which shall be compiled and submitted to the relevant authorities for recommended actions.</p>
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9	Activity components	<ol style="list-style-type: none"> <li>1. Communication Strategy             <ol style="list-style-type: none"> <li>a. Form an organizing committee for the facilitation event from Key Boundary Partners.</li> <li>b. Identify target community levels for communications.</li> <li>c. Identify individuals for developing/enhancing facilitation module comprising public and NGO hazard response bodies.</li> <li>d. Identification of approach for the module to comprise facilitation and cooperative learning activities.</li> <li>e. Identify the important components and messages to be included in the module.</li> </ol> </li> <li>2. Developing strategic messages             <ol style="list-style-type: none"> <li>a. Develop outline of module, event web page, brochures, flyers and letters of invitations.</li> <li>b. Contribute ideas for preparation of official opening ceremony speeches by VIPs.</li> <li>c. Trainers and facilitators conduct meeting discussions to prepare and develop the components of the modules.</li> </ol> </li> <li>3. Outreach             <ol style="list-style-type: none"> <li>a. Identification of participants for the facilitation event.</li> <li>b. Dissemination of brochures, flyers and invitations.</li> <li>c. Approach potential sponsors to provide financial or material contribution or in-kind support for the facilitation.</li> <li>d. Finalisation of draft community awareness and flood-proofing facilitation module for Integrated Flood Management.</li> <li>e. Conduct the awareness and facilitation module</li> <li>f. Solicit response and feedback from participants to improve module.</li> </ol> </li> <li>4. Knowledge sharing             <ol style="list-style-type: none"> <li>a. Participant share knowledge on their flood experiences and responses during the activity.</li> <li>b. Evaluate participants' capability to access flood early warning systems currently in place and understanding implications for response.</li> <li>c. Consultants prepare a report document of awareness and facilitation activity with recommendations on module implementation.</li> </ol> </li> </ol>
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		d. Submit report to the National Disaster Response Unit, National Security Council, Prime Minister's Department.
10	When will be implemented	<p>Target times for the Phase 1 activities in 2014, are:</p> <ul style="list-style-type: none"> <li>• Q1 - Communication Strategy</li> <li>• Q2 - Developing strategic messages</li> <li>• Q3 - Developing strategic messages</li> <li>• Q4 - Outreach and Knowledge sharing</li> </ul>
11	Project Phasing	<p>The whole project cycle is expected to last three (3) years:</p> <ul style="list-style-type: none"> <li>• Phase 1, in the first year, is for awareness raising and facilitation for flood proofing and adaptation of a new flood-prone community using the prepared module.</li> <li>• Phase 2, in the second year, is for awareness raising and facilitation for flood proofing and adaptation using the enhanced module (version 2) in a different community, together with post-evaluation on the Monitoring and Evaluation of effectiveness of the awareness and facilitation module through feedback from the targeted community after 12 months. Reminder materials may need to be disseminated to the first target community to refresh their awareness prior to the Monsoon season.</li> <li>• Phase 3, in the third year, is for repeating the awareness and facilitation module (version 3) and discussion with the relevant agencies for incorporation of the module at the local level by the authorities together with MyCWP. Evaluation of the second-round of the module (version 2) shall also be conducted to evaluate any improvement in community preparedness in flood response. A training of trainers may be proposed together with MyCBNet.</li> </ul>
12	Boundary Actors	<ul style="list-style-type: none"> <li>• Drainage and Irrigation Department Malaysia,</li> <li>• National Security Council,</li> <li>• Meteorological Department,</li> <li>• Health Department,</li> <li>• Department of Education,</li> <li>• Town and Country Planning Department,</li> <li>• Public Works Department,</li> <li>• Local Authorities,</li> <li>• Police Department,</li> <li>• Fire and Rescue Department,</li> <li>• District Office,</li> <li>• NGOs,</li> <li>• Community Based Organisations,</li> <li>• Village Heads.</li> </ul>

13	Implementation arrangement	MyCWP shall work with its government, private and NGO partners to organise the awareness and facilitation training sessions. The key player is expected to be the Drainage and Irrigation Department Malaysia, Ministry of Natural Resource and Environment. Trainers, facilitators and materials developers are expected to be from partners from the Engineering, Planning and Environmental Consultancies, National Research Institutes, Universities, and NGOs.																																																																															
14	Progress Markers	<ul style="list-style-type: none"> <li>Stakeholders understand their role in the non-structural measures in flood mitigation and flood management, share their knowledge and become pro-active in 'flood-proofing' their residences.</li> <li>Other communities request to be educated on Integrated Flood Management using a similar approach.</li> </ul>																																																																															
15	<p>Budget estimation and plan (in Euro)</p> <table border="1" data-bbox="310 884 1487 1346"> <thead> <tr> <th colspan="7">GWP FUND</th> <th rowspan="2">Other Source</th> <th rowspan="2">Total Cost</th> </tr> <tr> <th>No.</th> <th>Category</th> <th>Total GWP fund</th> <th>Q4 2013</th> <th>2014</th> <th>2015</th> <th>2016</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Travel Staff</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>Travel Consultants</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>Meeting</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>Consultant Fee</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>5</td> <td>Communication</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>6</td> <td>Other costs</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td colspan="2">TOTAL</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> <p>Please attach detailed calculation if necessary</p> <p><u>Please see excel spreadsheet on Attachment 2 - Malaysia 2 Budget 10314.xlsx</u></p>		GWP FUND							Other Source	Total Cost	No.	Category	Total GWP fund	Q4 2013	2014	2015	2016	1	Travel Staff								2	Travel Consultants								3	Meeting								4	Consultant Fee								5	Communication								6	Other costs								TOTAL								
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**Table 1: Overview of types of activities and tasks under Work Package 7 – Knowledge and Awareness**

Activities	Proposed activities/tasks	Sub-Outputs / Deliverables	Proposed Methods for delivery
1. Communication Strategy	<ul style="list-style-type: none"> <li>a. Form an organizing committee for the facilitation event from Key Boundary Partners.</li> <li>b. Identify target community levels for communications.</li> <li>c. Identify individuals for developing/enhancing facilitation module comprising public and NGO hazard response bodies.</li> <li>d. Identification of approach for the module to comprise facilitation and cooperative learning activities.</li> <li>e. Identify the important components and messages to be included in the module.</li> </ul>	<ul style="list-style-type: none"> <li>• Identification of communication approach and components to be in the module</li> </ul>	Organising Committee brainstorm to identify communication strategy.
2. Developing strategic messages	<ul style="list-style-type: none"> <li>a. Develop outline of module, event web page, brochures, flyers and letters of invitations.</li> <li>b. Contribute ideas for preparation of official opening ceremony speeches by VIPs.</li> <li>c. Trainers and facilitators conduct meeting discussions to prepare and develop the components of the modules.</li> </ul>	<ul style="list-style-type: none"> <li>• Definition of module content and writers</li> </ul>	Consultant trainers and facilitators brainstorm to identify module content.
3. Outreach	<ul style="list-style-type: none"> <li>a. Identification of participants for the facilitation event.</li> <li>b. Dissemination of brochures, flyers and invitations.</li> <li>c. Approach potential sponsors to provide financial or material contribution or in-kind support for the facilitation.</li> <li>d. Finalisation of draft community awareness and flood-proofing facilitation module for Integrated Flood Management.</li> <li>e. Conduct the awareness and facilitation module</li> <li>f. Solicit response and feedback from participants to improve module.</li> </ul>	<ul style="list-style-type: none"> <li>• Conducted awareness and facilitation activity</li> </ul>	Consultant trainers and facilitators implement the module.

4. Knowledge sharing	<ul style="list-style-type: none"> <li>a. Participant share knowledge on their flood experiences and responses during the activity.</li> <li>b. Evaluate participants' capability to access flood early warning systems currently in place and understanding implications for response.</li> <li>c. Consultants prepare a report document of awareness and facilitation activity with recommendations on module implementation.</li> <li>d. Submit report to the National Disaster Response Unit, National Security Council, Prime Minister's Department.</li> </ul>	<ul style="list-style-type: none"> <li>• Knowledge shared recorded and feedback response collected</li> </ul>	Consultants facilitate knowledge sharing, feedback response and prepare report documents
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**Table 2: Budget Required Based Tasks under Work Package 2 –National development and sector plans**

<b>Activities Proposed activities/tasks</b>	<b>Sub-Outputs / Deliverables</b>	<b>Proposed Methods for delivery</b>	<b>Category of Cost</b>	<b>Cost (Euro)</b>
Please see excel spreadsheet on <a href="#">Attachment 2 - Malaysia 2 Budget 10314.xlsx</a>				