

WORK PLANNING 2019

ACTIVITY PLAN & COMPLETION REPORT

Country	MALAYSIA
Title of Activity	Developing Community Resilience in Living with Floods

Table 1 ACTIVITY PLAN

No	Item	Description
1	Country	Malaysia
2	Title of Activity	Developing Community Resilience in Living with Floods
3	Strategic Goal	1 and 2
4	Outcome Challenge	<p>1.3 Malaysia implements pilot and demonstration projects on integrated flood management programmes</p> <p>2.2 Stakeholders gain improved political awareness and commitment to deliver water security with demonstrable follow-up commitments and actions.</p>
5	Progress Markers	<p>1.3.1 Malaysia facilitates implementation of demonstration projects on Integrated Flood Management Programmes and organizes dialogues/workshops/seminars to disseminates the experience</p> <p>2.2.1 Law makers, decision makers, NGOs, journalists, communities, implementation agencies and other relevant stakeholders in Malaysia participate in discussions and campaigns for water security organized by CWPs.</p>
6	Background and Needs Statement	<p>Flood issues in Malaysia started back in 1920, with the one in 1971 claimed to be the worst before the recent 2014 flood. SENDAI Framework for Disaster Risk Reduction 2015 - 2030 and GAP Analysis Report on Flood Disaster Management in Malaysia indicates that rapid urbanization and climate change due to the anthropogenic activities increases uncertainty on disasters especially on the unpredictability of extreme weather. It is believed that the features of climate change in the scale, frequency, severity will continue to grow in the coming years, and at an accelerating pace.</p> <p>Source from the National Register of River Basins by Department of Irrigation and Drainage Malaysia (DID), indicates that 33.298 square miles (10.1%) of the country's total area are flood prone areas which encompassing about 5.67 million people. Therefore, it is important to empower the local communities and public as part of the Preparedness towards Flood Disaster Management – Before-During-After to be able to survive the catastrophe.</p> <p>The flood events that happened in December 2014 and January 2015 were considered as the worst flooding in Malaysia over the last decade. Within two weeks, the flooding involved more than five states (Kelantan, Terengganu, Pahang, Perak, Johor, and Sabah) causing more that 200,000 residents, affected, and losing</p>

		<p>their properties and the infrastructures. More than 18 deaths was recorded with more than more than RM 1 billion loses with the highest water level recorded at 7.03m.</p> <p>In addition to the National Security Council (NSC) that coordinates disaster management in accordance with Directive No. 20, the “Policy, and Mechanism on National Disaster Relief and Management,” many other organisation and institutions embark on public and communities engagement, especially to those within the flood prone areas. In addition, supports and information sharing from various agencies and departments were also provided to empower the local communities.</p> <p>The initiatives with a civic science approach, hands-on activities and empowerment through field training as well as exposure will be helpful in preparing the communities to be resilient and address the calamity in future through the use of modules available. This is to be achieved by focusing on the following objectives:</p> <ul style="list-style-type: none"> • To catalyse changes by enhancing the communities to evoke appropriate actions (from both disaster management agencies and victims). • To generate and educate the agencies and the communities on the importance of awareness and capability to act in stressed situation. • To strengthen and utilize the network among various stakeholders (agencies, higher learning institutions, research bodies, NGOs and CBOs) in sharing their expertise. • To introduce and promote the community-based hazard mapping, conversion of community-based hazard map to e-Map, Grab Bag, 72H Kits and drinking water supply during flood. • To create a platform and support for the communities to undertake initiatives to strengthen and mitigate actions towards flood preparedness; before, during and after.
7	Key stakeholders/ Boundary Partners targetted	<ul style="list-style-type: none"> • Drainage and Irrigation Department Malaysia, • National Disaster Management Agency (NaDMA) • National Security Council • Meteorological Department • Health Department • Town and Country Planning Department • Local Authorities • Police Department • Fire and Rescue Department • District Office • NGOs • Community Based Organizations

		<ul style="list-style-type: none"> • Village Heads
8	Activity Proponent	
	a. Submission by	Malaysia Country Water Partnership (MyCWP)
	b. Contact person	Lead – Athirah Lim - athirahlim@gmail.com
	c. Contact Address	MyWP Contact Address
9	Activity Output	<p>OT1.6-1 Number of demonstration projects undertaken for which innovation has been demonstrated.</p> <p>OT1.7-1 Number of documents produced outlining the lessons from GWP demonstration projects and a plan for replicating solutions.</p> <p>OT1.8 –1 Number of beneficiaries supported in demonstration projects on water security and climate resilience undertaken.</p> <p>OT2.1 – 5 Number of government institutions/other stakeholders with demonstrably enhanced capacity to integrate water security and climate change in the design and implementation of policies, plans & projects.</p> <p>OT2.3 – 3 Number of media features on climate change and water security linked to the Water Security Programme. All media including radio, television, print, internet.</p> <p>OT2.4 – 2 Number of publications, knowledge products (including strategic messages) and tools for water security & climate resilience developed and disseminated</p>
10	Activity components	<ol style="list-style-type: none"> 1. Discussion among stakeholders on selection of pilot/demonstration project 2. Presentations 3. Field activities 4. Issues & challenges 5. Demonstration & hands-on 6. Discussion 7. Follow-up activities
11	Implementation arrangement	

	a. When	Q1-Q4 2019						
	b. Where	Suitable training centres, river sites in Malaysia						
	c. Organizers	MyWP, JPS Malaysia, NADMA,GEC & UPM						
	d. Other information	MyWP shall work with government, private and NGO partners to organise the awareness and facilitation training sessions. The key stakeholders are expected to be the Drainage and Irrigation Department (DID) Malaysia, NADMA and the local authorities. Trainers, facilitators and materials developers are expected to be from partners; from the NGOs, Ministry of Water, Land and Natural Resources Malaysia, NaDMA and related agencies or research institutes.						
13	Budget estimation and plan (in EURO)							
	No	Category	GWP Fund					Other sources
			Total GWP fund	Q1	Q2	Q3	Q4	
	1	Country Staff	1000	1000				1200
	2	Consultants	1600	250	500	550	300	3000
	3	Travel & per diems	400	100	100	100	100	200
	4	Procurement of goods/ Training materials	500		500			500
	5	Office running costs	200	50	50	50	50	200
	6	Workshop & meetings	2800		1400	1400		2000
	7	Publications						500
	8	Others (if required) Publicity						300
	TOTAL		6,500	1400	2550	2100	450	7,900
Please attach detailed calculation if necessary								

Developing Community Resilience in Living with Floods

Table 2 **ACTIVITY COMPLETION REPORT**

No	Item	Plan
1	Implementation arrangement	
	a. When	30 & 31 October 2019
	b. Where	<ul style="list-style-type: none"> • Lavender Hall, Kinta Riverfront Hotel, Ipoh, Perak (theoretical) • Kampung Tersusun Tawas Tambahan, Ipoh (practical)
	c. Organizer and Co-organizers	<ul style="list-style-type: none"> • Malaysia Water Partnership (MyWP) • Global Environment Centre (GEC) • University Putra Malaysia (UPM) • Drainage and Irrigation Department (DID) Malaysia and Perak • National Disaster Management Agency (NADMA) Malaysia • Local Authorities and Agencies of Perak • District Office • Village heads & community leaders (Majlis Pengurusan Komuniti Kampung, MPKK and Kawasan Rukun Tetangga, KRT)
	d. Implementation method (by contract, hired consultant, etc)	Consultant/ Partners
	e. Other information	<p>The training focused on the four (4) community based flood-training exercises:</p> <ol style="list-style-type: none"> Proper understanding of the key stakeholders on current flood trend esp due to climate change, current forecasting methods in Malaysia and early prevention methods. The Flood Hazards 'Town-watching' training focuses on identifying the routes traveled during disasters such as flooding and its consequences. Mapping conducted based on the concept of flood hazards 'township' safe passage using the sketch map as localized flood preparedness measures. Potable Water Management training during floods focused on the mitigation measures and alternative water treatment methods for use during flooding period. Grab Bag and 72H kit which is an emergency & preparedness kit that is required and should be prepared in advance before struck by flood disaster
2	Output of Activity	To provide appropriate skills and increased knowledge and awareness to relevant local stakeholders including government staffs and local communities in Perak, in addition to facilitate on how to deal with flood risks and adoption of new skills for people to prevent and manage the flood problem by developing their localize flood hazards map.
3	Who have been involved	

	(speakers, facilitators, participants, resource persons, consultant, etc)							
	Target Key Stakeholders/ Boundary Actors	i. Local Communities ii. Local Agencies/ Authorities iii. District Office						
	Speakers	i. Dr Kalithasan Kailasam, Manager RIVER Care Programme, GEC ii. Associate Prof. Dr Zelina Zaiton Ibrahim, UPM iii. Mrs Che Siti Noor Binti Koh Poh Lee @ Che Mamat, NADMA iv. Mr Mohd Zaidi Bin Mokhtar, DID Perak v. Kapten (PA) Shahrizal Bin Hussin, Civil Defence Department, Perak vi. Mr. Ghaffar Bin Haji Jalil, RIVER Ranger Sungai Klang vii. Mr. Hamdan Bin Haji Yusoff, RIVER Ranger Sungai Klang						
	Facilitators	i. Mrs Athirah Lim, MyWP ii. Mr Norazrin Bin Haji Mamat, GEC iii. Mr. Fazrie Bin Rakmat, NADMA iv. Mr Nasarudin, MyWP v. Mr Shafiq Ikmal Bin Ahamd Tajularus, Volunteer GEC						
	Resources persons	i. Kapten (PA) Muhammed Ameen Bin Salleh Mura, Civil Defence Department, Perak ii. Ir Salfarina Binti Mohd Sharif, DID Perak						
	Media/Public Observers	BERNAMA The STAR						
	Other participants							
4	Budget used (in Euro)							
	No	Category	GWP Fund					Other sources
			Total GWP fund	Q1	Q2	Q3	Q4	
	1	Country Staff	1036		1036			1200
	2	Consultants					1047	3000
	3	Travel & per diems					220	300
	4	Procurement of goods/ Training materials					161	500
	5	Office running costs						400
	6	Workshop & meetings			143	1325	2568	1000
	7	Publications						500
	8	Others (if required)						
	TOTAL		6,500		1179	1325	3996	6,900
	Please attach detailed calculation if necessary							
5	In-kind support received		6,900					
6	Attachment :							

	<p>a. List of speakers and participants</p>	<p><u>SPEAKERS:</u></p> <p>Paper 1: Integrated Flood Management (Before, During and After flooding) by Kapten (PA) Shahrizal Bin Hussin, Deputy Officer of Civil Defence Department, Perak.</p> <p>Paper 2: National Disaster (flood) Management and Case Study by Mrs Che Siti Noor Binti Koh Poh Lee @ Che Mamat, Chief Assistant Director of Mitigation Department, NADMA.</p> <p>Paper 3: Flood Scenario at Malaysia/ Perak by Mr. Mohd Zaidi Bin Mokhtar, Assistant Director of Water and Hydrology Division of DID Perak.</p> <p>Paper 4: Integrated Flood Management (Community Preparedness and Town-Watching) by Dr Kalithasan Kailasam, Manager River Care Programme, GEC.</p> <p>Paper 5: Community Peer to Peer Sharing by Hj Ghaffar Bin Haji Jalil and Mr Hamdan Bin Haji Yusoff, RIVER Ranger Sungai Klang.</p> <p>Exercise 1: Role Play (Briefing Meeting on Flood Moving Scheme for Kampung Tersusun Tawas Tambahan) by Prof. Madya Dr Zelina Zaiton Ibrahim, UPM.</p> <p>Exercise 2: Training on Water Management during Flood and Preparation of Grab Bag and 72H Kit by Dr Kalithasan Kailasam, Manager River Care Programme, GEC and supported by Mr Norazrin Bin Haji Mamat, GEC.</p> <p>Exercise 3: Town-watching Training on Identifying Safe Paths During Flood at Kampung Tersusun Tawas Tambahan:</p> <ul style="list-style-type: none"> - Group 1: Lead by Mr Norazrin Bin Haji Mamat, Programme Officer of River Care Programme, GEC. - Group 2: Lead by Prof. Madya Dr Zelina Zaiton Ibrahim, UPM. - Group 3: Lead by Dr Kalithasan Kailasam, Manager River Care Programme, GEC. <p>Exercise 4: Group Presentation on Output for Town-watching Training at Kampung Tersusun Tawas Tambahan, led by Dr Kalithasan Kailasam, Manager River Care Programme, GEC.</p> <p><u>PARTICIPANTS:</u></p> <p>Total: 34</p> <p>A. Local Agencies (9 participants)</p> <ol style="list-style-type: none"> 1. Jabatan Kesihatan Negeri Perak (1) 2. Pejabat Kesihatan Daerah Kampar (2)
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		<ol style="list-style-type: none"> 3. Pejabat Daerah dan Tanah Batu Gajah (1) 4. Jabatan Pengairan dan Saliran Negeri Perak (2) 5. Jabatan Pengairan dan Saliran Kinta/ Batang Padang (1) 6. Jabatan Pengairan dan Saliran Manjung (1) 7. Tenaga Nasional Berhad (1) <p>B. Local Communities (25 participants)</p> <ol style="list-style-type: none"> 1. KRT Kampung Pengkalan Gate (3) 2. MPKK Kampung Tanjung Rambutan (2) 3. MPKK Kampung Tersusun Tasek (3) 4. MPKK Chemor (1) 5. MPKK Ulu Chepor (1) 6. MPKK Tawas (2) 7. MPKK Klebang (1) 8. MPKK Tanah Hitam/ Cik Zainal (1) 9. MPKK Ulu Kuang (1) 10. MPKK Kuala Woh (1) 11. MPKK Kampung Tanjung (1) 12. MPKK Kampung Payang (1) 13. MPKK Kampung Tersusun Tawas Tambahan (2) 14. Penghulu Mukim (4) 15. Ahli Majlis Batu Gajah (1)
	b. Copy of declaration, statement, etc	<p>“To establish a well-prepared local community when facing flooding, a flood preparedness workshop at a state level to strengthen flood-resilient community and reduce damage in Perak is conducted for 2 days organised by Malaysian Water Partnership (MyWP) and Global Environment Centre (GEC) in collaboration with Department of Irrigation and Drainage (DID) Malaysia/Perak, National Disaster Management Agency (NADMA) and University Putra Malaysia (UPM).”</p> <p>“Malaysia has sustained a total damage of nearly RM8 billion from 2 decades of natural disaster events between 1998 to 2018 with majority of the events is flooding. Sungai Perak with a 420km long is the backbone of Perak but, it is also the main cause of flooding in Perak throughout the years. The government is looking at this problem seriously and is always looking for initiatives to overcome the problem especially through Department of Irrigation and Drainage (DID) Perak in implementing flood mitigation projects at certain areas by districts.”</p> <p style="text-align: right;">Yang Berhormat Datuk Abdul Yunus Bin Jamahri, Chairman of Executive Council (EXCO) Perak of Public Facilities, Infrastructure, Agriculture and Plantations</p>

c. Pictures



Picture 1: 3rd October 2019 – preparation meeting with committee members (MyWP, GEC, DID Malaysia and other local stakeholders)



Picture 2: 8th October 2019 – Site Visit to Practical training site on town-watching at Kampung Tersusun Tawas Tambahan



Picture 3: Welcoming speech by YBhg. Dato' Ir. Haji Hanapi Bin Mohamad Noor



Picture 4: Lunching speech by YB. Datuk Abdul Yunus bin Jamahri



Picture 5: Project introduction by Dr Kalithasan Kailasam



Picture 6: Press conference with VIPs and reporters from BERNAMA and The STAR



Picture 7: Paper 1 - Integrated Flood Management (Before, During and After flooding) by Kapten (PA) Shahrizal Bin Hussin



Picture 8: Paper 2 - National Disaster (flood) Management and Case Study by Mrs. Che Siti Noor Binti Koh Poh Lee @ Che Mamat



Picture 9: Paper 3 - Flood Scenario at Malaysia/ Perak by Mr. Mohd Zaidi Bin Mokhtar



Picture 10: Paper 4 - Integrated Flood Management (Community Preparedness and Town-Watching) by Dr Kalithasan Kailasam



Picture 11: Paper 5 - Community Sharing by Hj Ghaffar Bin Hj Jalil and Mr Hamdan Bin Hj Yusoff



Picture 12: Exercise 1 - Role Play (Briefing Meeting on Flood Moving Scheme for Kampung Tersusun Tawas Tambahan)



Picture 13: Exercise 2 - Demonstration on preparing Grab Bag and Kit 72H



Picture 14: Exercise 2 - Demonstration on water management during flood



Picture 15: Briefing on town-watching activities at Kampung Tersusun Tawas Tambahan by Mr Norazrin Bin Hj Mamat



Picture 16: Exercise 3 - Group 1 for town-watching exercise lead by Mr Norazrin Bin Hj Mamat



Picture 17: Exercise 3 - Group 2 for town-watching exercise lead by Prof Madya Dr Zelina Zaiton Ibrahim



Picture 18: Exercise 3 - Group 3 for town-watching exercise lead by Dr Kalithasan Kailasam



Picture 19: Briefing on water pump house system as part of flood mitigation by DID Perak Officer



Picture 20: Exercise 4 - Participants mapping the hazard and safety routes as output from town-watching exercise



Picture 21: Exercise 4 – Group 1 present the output from town-watching exercise



Picture 22: Closing ceremony with Deputy Director General Post-Disaster Management Sector of NADMA, Mr Mohamed Zahari Razali, Director of DID Perak, YBhg. Dato' Ir Dr Haji Ahmad Anuar Bin Othman, Manager River Care Programme, GEC, Dr Kalithasan, UPM representative, Prof Madya Dr Zelina Zaiton Ibrahim and Mrs Che Siti Noor from NADMA



Picture 23: VIP put on the FLOOD Ranger badge to the participants



Picture 24: VIP handover Grab Bag and certificates to participants

d. Others



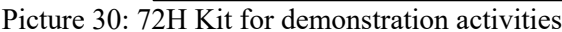
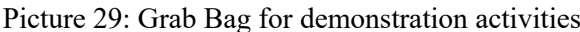
Picture 25: Programme Banner



Picture 26: Programme Bunting



Picture 27: Certificates for speaker/ trainers





Picture 31: Water treatment tools for demonstration activities



Picture 32: Materials given for participants

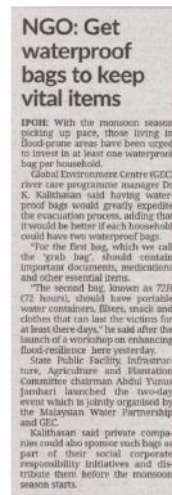


Picture 33: FLOOD Ranger Badges



Picture 34: BERNAMA, 30 October 2019

(<http://www.bernama.com/en/news.php?id=1784563>)



Picture 35: The STAR, 31 October 2019



Picture 36: The STAR (online), 31 October 2019

(<https://www.thestar.com.my/news/nation/2019/10/31/ngo-get-waterproof-bags-to-keep-vital-items>)

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Picture 37: UTUSAN Borneo Sabah and UTUSAN Borneo Sarawak, 31 October 2019



Picture 38: The Malaysian Insight, 30 October 2019

(<https://www.themalaysianinsight.com/bahasa/s/193633>)



Picture 39: The STAR (online), 30 October 2019

(<https://www.thestar.com.my/news/nation/2019/10/30/experts-provide-waterproof-bags-for-villagers-in-flood-prone-areas>)