

RESEARCH AND MODEL DEVELOPMENT ON COMMUNITY DISASTER RESILIENCE

Based on “Community-based Capacity Building in Disaster Preparedness Programme (Sai Kung)”

The Hong Kong Jockey Club Disaster Preparedness and Response Institute (HKJCDPRI) appointed Study Consultant - Making On Loft Limited (MOL) to provide research and evaluation services for “Research and Model Development on Community Disaster Resilience based on HKJCDPRI’s “Community-based Capacity Building in Disaster Preparedness Programme (Sai Kung)”. The goal of this research project is to establish a “blueprint” for future development of strategy, approach(es), measure(s) and tool(s) that bring about effective development of community disaster resilience, and the key objectives as follow,

- 1 Formulate “blueprint” for building community resilience model, involving both top-down and bottom-up approaches, to engage not only local NGOs and the official parties, but also agencies, say local small groups as well as academia, in the process of community building
- 2 Establish guiding principles on how to start building a resilient community and identify key collaborators potentially with practical recommendations to enhance works of disaster preparedness and community building

Organiser



Sponsor



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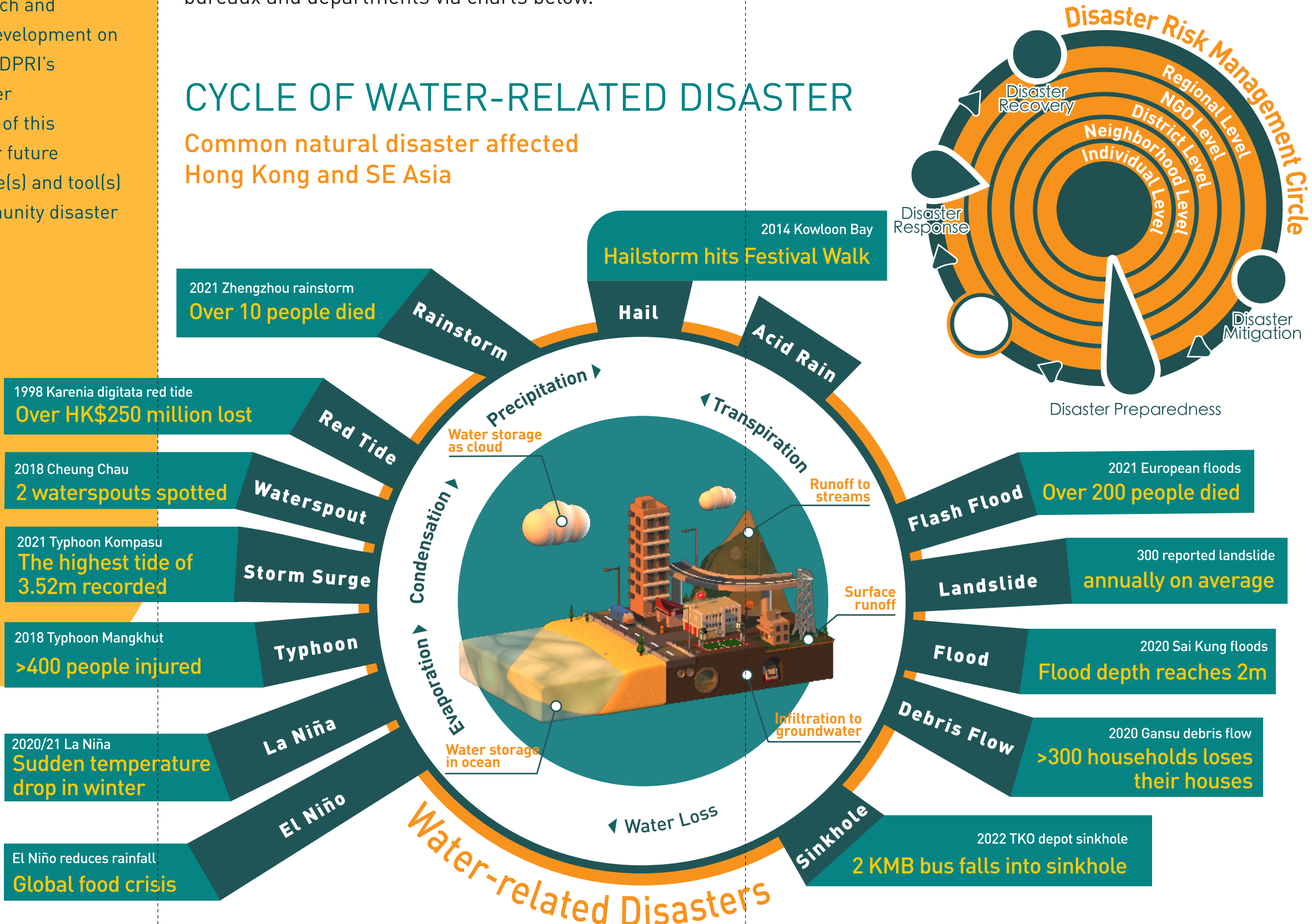
DISASTER MANAGEMENT

Disaster management is the process of planning risk management for disasters, with the aim of reducing the likelihood the risk of disasters occurring. Disaster management can be divided into four stages, including **pre-disaster disaster prevention** and **mitigation**, **disaster preparedness**, **disaster response** and **post-disaster recovery**, which involve different departments to plan and implement strategies and functions.




A set of standards for dealing with disaster event in Hong Kong has been established. Through integrating firsthand and secondhand data, the Research Team presents the close relationship between the corresponding official bureaux and departments via charts below.

CYCLE OF WATER-RELATED DISASTER





Common natural disaster affected Hong Kong and SE Asia



DISASTER PREPAREDNESS




 Public Education	FSD	HA	CAS	
	1) Community emergency preparedness education 2) Fire protection works (e.g. Licensing and certification)	Establish Disaster Psychosocial Services Website to provide psychoeducational material to increase the public's knowledge of preparing for, responding to and recovering from disasters	Provide tailored short-term courses, visits, lectures or training for government departments, NGOs, schools	
 Alert	HKO	DSD	CEDD	
	Provide weather forecast, severe weather warning, and meteorological and geophysical services.	Install local flood warning systems at flood prone villages and areas, and disseminate warnings	Issue landslide warnings	
 Environment Intervention	ArchSD	DSD	CEDD	LandsD
	1) Maintenance of government buildings and facilities 2) Provide advice and emergency protection and/or repair services	1) River training works 2) Village flood protection schemes	1) Landslip investigation and monitoring 2) Advise governmental B/Ds on immediate/ potential danger due to landslides and on measures to deal	1) Determine maintenance responsibility 2) Manage vacant government sites

DISASTER RESPONSE

 Disaster Site Management	HYD		BD		TD		DSD
	Clear and repair public roads, remove dangerous boulders and landslips on roadside slopes along public roads, and provide support for containment and removal of oil spill pollution on beaches and foreshores		1) Provide a 24-hour emergency service to the public on emergencies affecting the safety of private buildings 2) Handle dangerous buildings/ slopes/ scaffolds/ signboards		Liaise with B/Ds and public transport operators on traffic and transport arrangements and disseminate traffic and transport information during both planned and unplanned events		1) Clear and repair blocked or damaged public sewers and stormwater drains 2) Handle flooding incidents
 Victim Support	LCSO	FEHD	ArchSD	EMSD	LandsD		
	1) Trim dangerous fallen trees in urban areas 2) Prune and clear endanger and fallen trees in specific areas in NT	1) Remove animal carcasses 2) Clean up clogged ditches 3) Clean up a specific range of collapsed trees	Carry out necessary emergency repair works on damaged government buildings and facilities	Repair power outages and gas fuel via conduit as quickly as possible	1) Carry out emergency repair works by Slope Maintenance Team 2) Register the information of victims by the squatter control team 3) Assist in locating disaster sites and affected areas		
 Emergency	HKPF	FSD	CAS	AMS	GFS	MD	
	Coordinate works of all units at disaster sites (except the rescue units under FSD)	Coordinate rescue works of all units at disaster sites	1) Mountain search and rescue 2) Flood rescue 3) Standby under typhoons 4) Countryside Fire Protection Duties	1) mobilize resource for regular health service 2) Typhoon duties 3) Ambulance service	1) Provide 24-hour search and rescue coverage, emergency medical services, fire fighting and support to other B/Ds 2) Provide emergency services to aircraft and vessels	1) Monitor and manage marine traffic within HK waters 2) Search and rescue vessels in danger	
 Victim Support	Emergency	HAD	SWD	FEHD	AFCD	GLD	
	1) Activated when major emergencies or natural disasters happen or are likely to happen 2) Monitor and coordinate the response of the emergency and support services, and provide support to their services	1) Coordinate actions for relief arrangements 2) Activate a round-the-clock hotline 3) Provide temporary shelters	Provide urgent food or cash grant in lieu of food	1) Arrange additional temporary mortuary facilities 2) Provide temporary toilets and litter boxes, garbage collection and hygiene for temporary shelters and relief centres	Caring for the health and well-being of livestock separated from their owners after an emergency	Provide emergency transportation support to deliver items and equipment to departments without vehicles	



DISASTER RECOVERY

 Public	OFCA	ISD	HKPF	EB	
	1) Promptly issue telecommunications network congestion warnings to telecommunications network operators 2) Ensure that network operators can quickly restore service in the event of service interruption	Disseminate the latest information on the situation and government responses to the media	Release all police news regarding disasters by Police Public Relations Section	Decide if and when schools and kindergartens should close	
 Monetary Support	SWD	LandsD	MD	AFCD	HD
	Provide emergency relief for victims of disasters: approving grants and making payments in respect of grants for death and personal injuries under the Emergency Relief Fund	Provide domestic re-accommodation, re-equipment, site formation and repair grants, grants for severe damage to home appliances, and primary producer grants under the Emergency Relief Fund	Provide grants to repair or replace working boats and dwelling vessels under the Emergency Relief Fund	Provide grants to repair or replace fishing boats and gear, and rehabilitation grants for loss of crops, livestock or cultured fish under the Emergency Relief Fund	Provide transit accommodation for the homeless and arrange eligible persons for subsequent rehousing
 Mental Support	HA	SWD			
	Provide disaster psychosocial services by the Task Force on Disaster Psychosocial Services	Provide immediate emotional support by social workers and early psychological intervention by clinical psychologists			

COMMUNITY RESILIENCE

Incorporating the definitions of community development from governmental departments including the Home Affairs Department and the Social Welfare Development, the concept of community development, though similarly concerning the community and sharing a few common missions with community resilience, yet not encompassing goals and strategies conceptualised in community resilience.



Overall Perception on Community Resilience in Hong Kong

Local actors have contributed to the 3 major domains: (1) learning, (2) resources and capability and (3) actions, with the following elements	Community resilience is a recognized concept in the field of disaster preparedness among local stakeholders with active implementation of standardized actions and provision of tangible resources	In top-down approaches, which may not fit local contexts in terms of practical use and values	Lack locally sustained mechanisms in the 3 major domains
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Reframing Community Resilience



IMAGINATION OF DISASTER MANAGEMENT ACTION TIMELINE WITH COMMUNITY RESILIENCE BUILDING

