

**Legislative Council Subcommittee**  
**to Follow Up Issues Relating to the**  
**Three-Runway System at the Hong Kong International Airport**

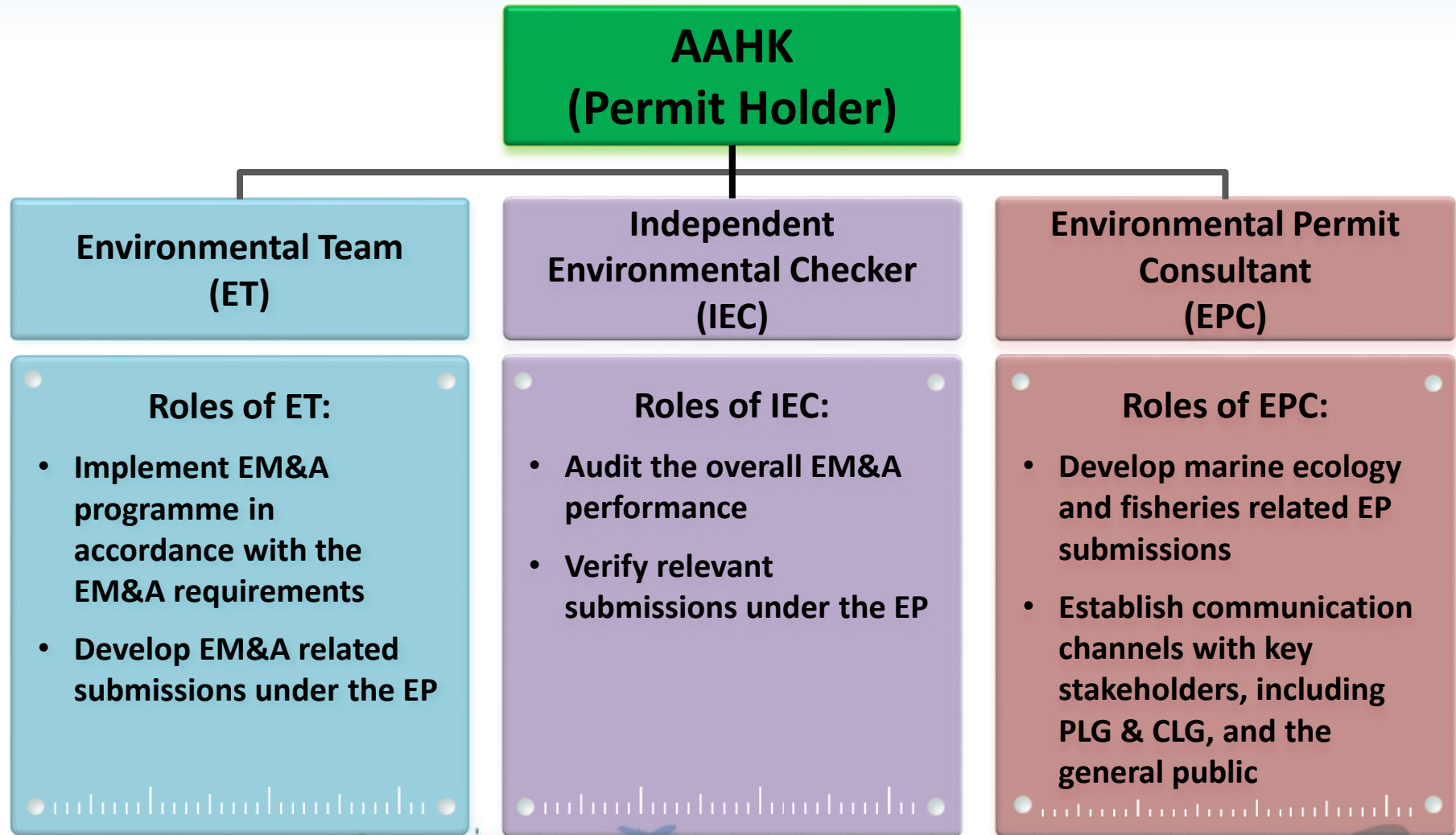
**Environmental Issues: Progress of Implementation of  
Key Environmental Impact Assessment Commitments**

**Airport Authority Hong Kong**

**11 April 2017**



# Dedicated team to deliver EIA commitments



# Compliance with pre-construction EP Conditions

## Tasks before 28 Dec 2015:

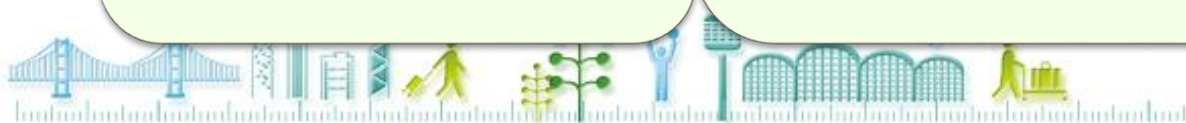
- Employed a full-time on-site Environmental Team
- Employed a full-time on-site Independent Environmental Checker
- Conducted baseline monitoring for Air Quality and Noise
- Setup dedicated website for electronic reporting of EM&A information
- Submitted following Plans to EPD for approval/acceptance
  - Updated EM&A Manual
  - Waste Management Plan
  - Marine Travel Routes and Management Plan for High Speed Ferries of SkyPier
  - Marine Travel Routes and Management Plan for Construction and Associated Vessels
  - Complaint Management Plan

## Tasks since 28 Dec 2015 & before 1 Aug 2016:

- Air, noise, terrestrial and marine ecological impact monitoring
- Conducted baseline monitoring for CWD and WQ
- Submitted following Plans to EPD for approval/acceptance
  - Detailed Plan on Deep Cement Mixing
  - Silt Curtain Deployment Plan
  - Coral Translocation Plan
  - Marine Mammal Watching Plan
  - Dolphin Exclusion Zone Plan
  - Egret Survey Plan
  - Marine Park Proposal
  - Marine Ecology Conservation Plan
  - Fisheries Management Plan
- Implemented:
  - SkyPier Plan
  - Waste Management Plan
  - Complaint Management Plan
- Monthly EM&A reporting

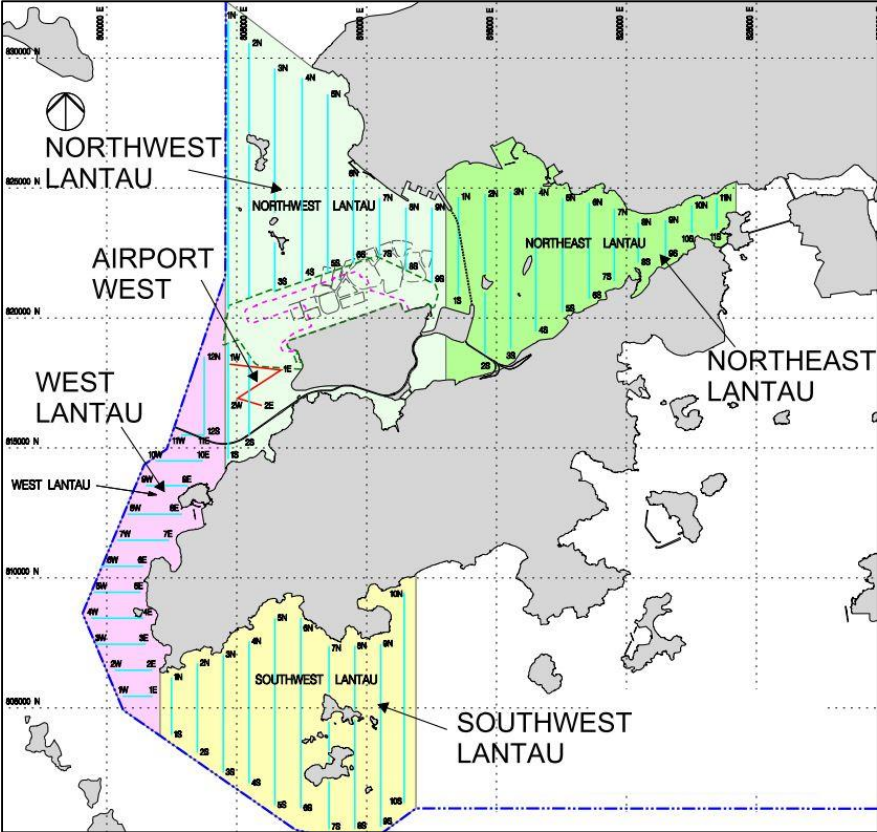
## New tasks on and after 1 Aug 2016:

- Water quality impact monitoring
- CWD impact monitoring
- Implemented:
  - Construction Vessels Plan
  - Dolphin Exclusion Zone Plan
  - Marine Mammal Watching Plan
  - Silt Curtain Deployment Plan
  - EP measures on marine works

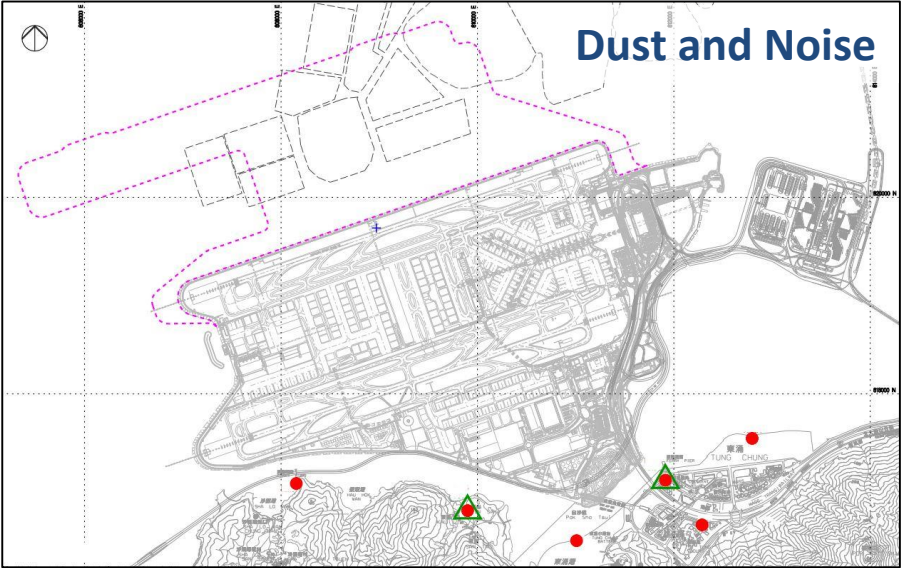


# Comprehensive environmental monitoring

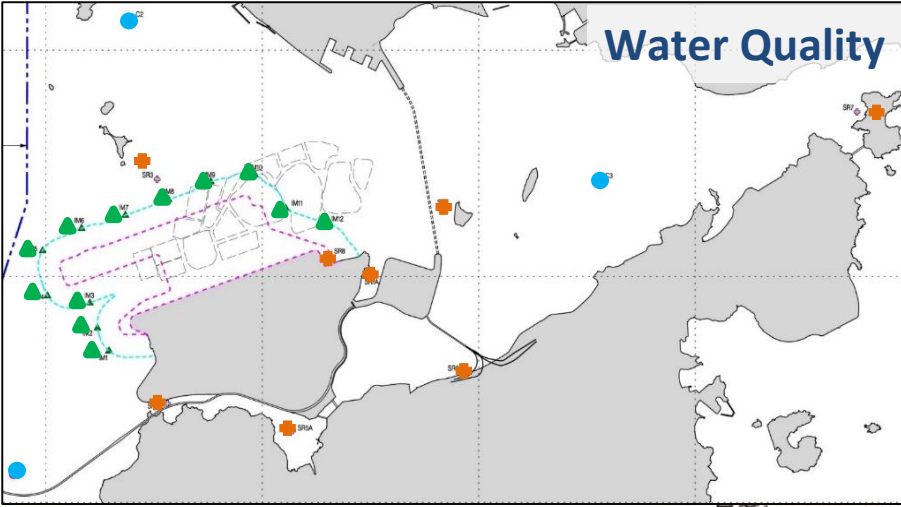
## Chinese White Dolphin



## Dust and Noise



## Water Quality



國際機場 INTERNATIONAL AIRPORT





# 3RS dedicated website



**EXPANSION OF HKIA  
INTO A  
THREE-RUNWAY SYSTEM**

This dedicated website is prepared in accordance with the requirements in the Environmental Permit (EP) (EP No. EP-489/2014) and is intended to enable user-friendly public access to project information including environmental monitoring data and finalised submissions and plans for the expansion of HKIA into a three-runway system.

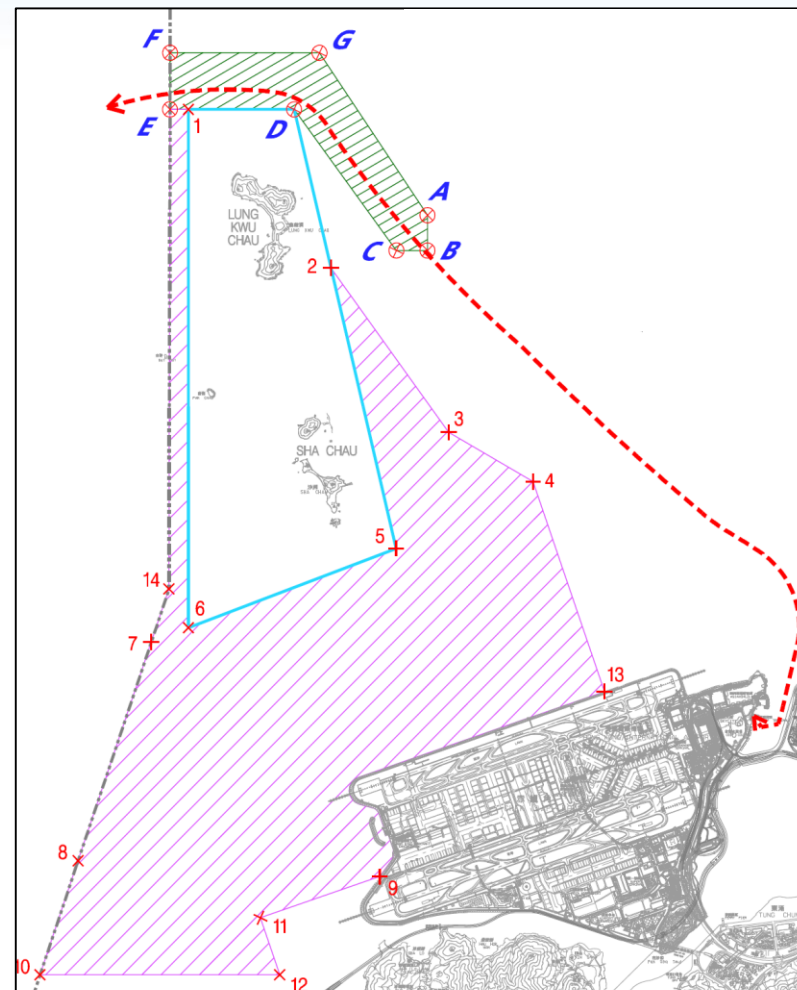
Three-Runway System Main Website | Privacy Policy © Airport Authority Hong Kong. All Rights Reserved.

<http://env.threerunwaysystem.com/en/index.html>



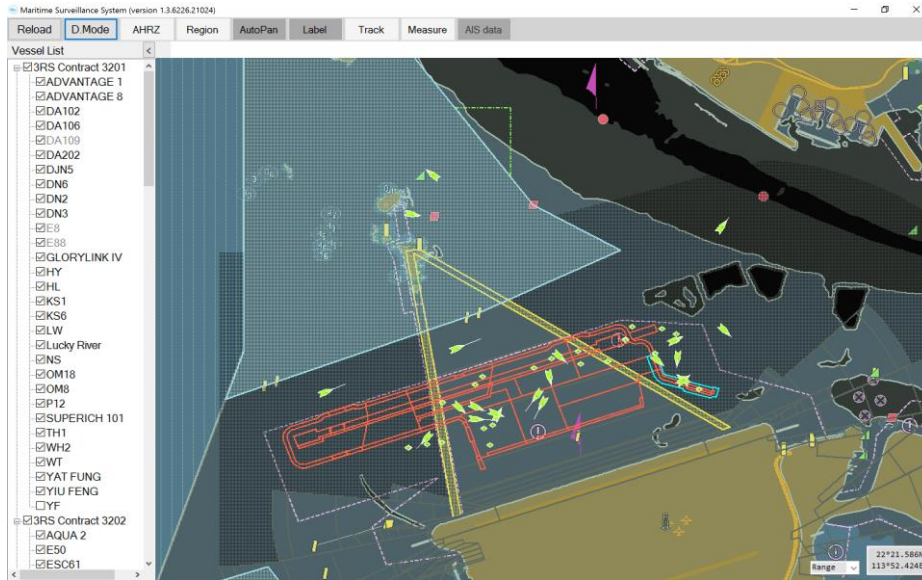
# Diversion of SkyPier HSF to mitigate potential disturbance on CWDs

- Diverted Route
- 15-knot Speed Control Zone (“SCZ”)
- Marine Prohibited Zone
- Daily Cap (125) on HSF Movements
- Annual Daily Average (99) HSF Movements



# More mitigation measures for CWDs

## Marine Traffic Control Centre

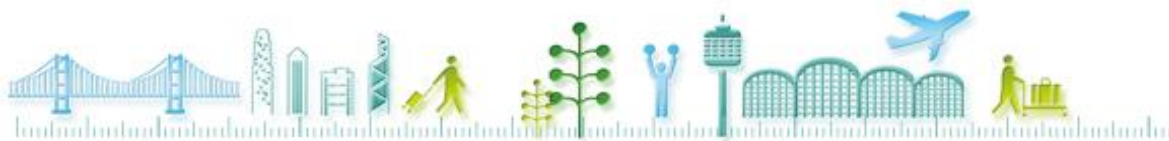


- All construction vessels must equip with tracking device.
- Implement marine traffic monitoring to ensure all construction vessels will work and anchor at designated locations.

## Acoustic Decoupling Measures for powered mechanical equipment

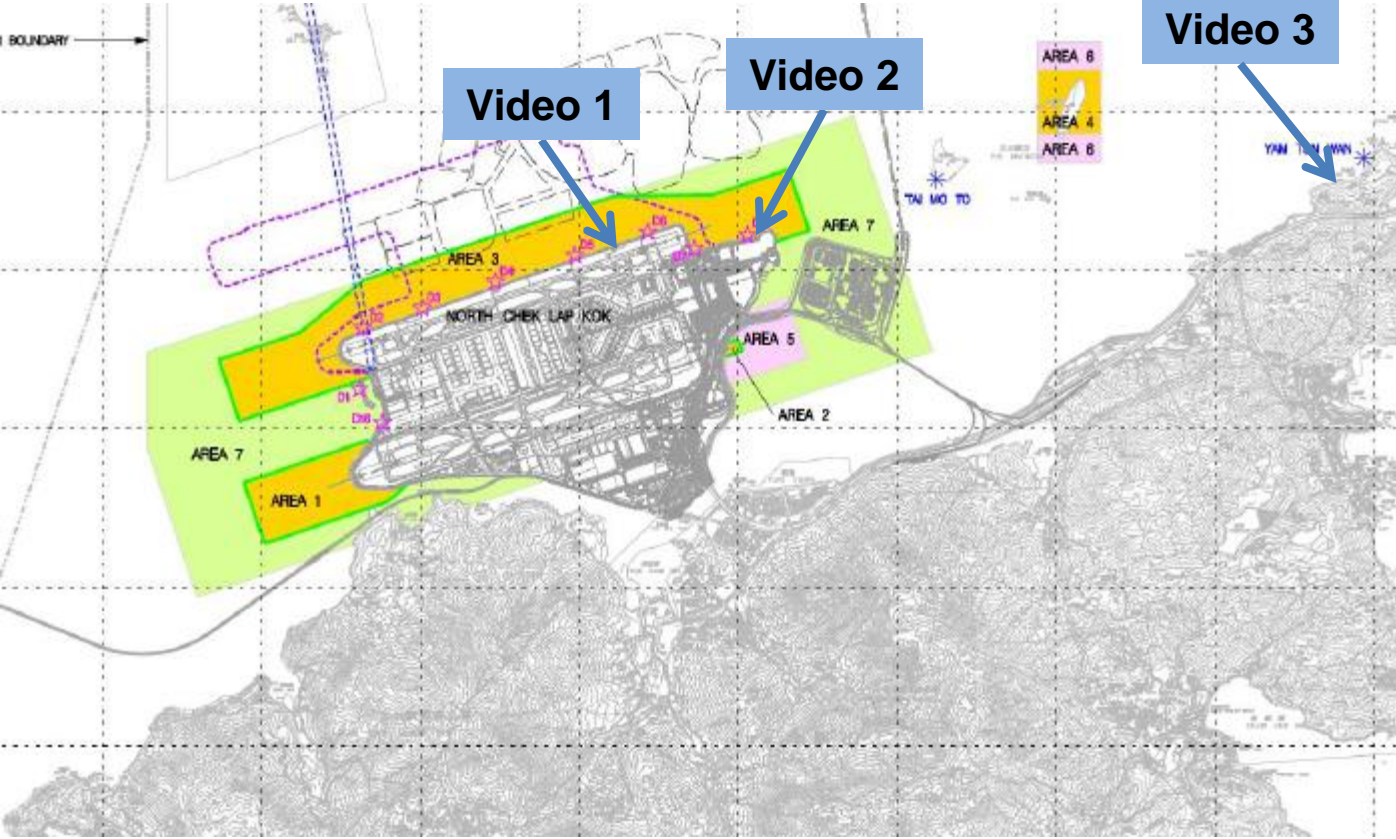


## Dolphin Exclusion Zone for noisier construction activities





# Videos at coral locations (Aug 2016)



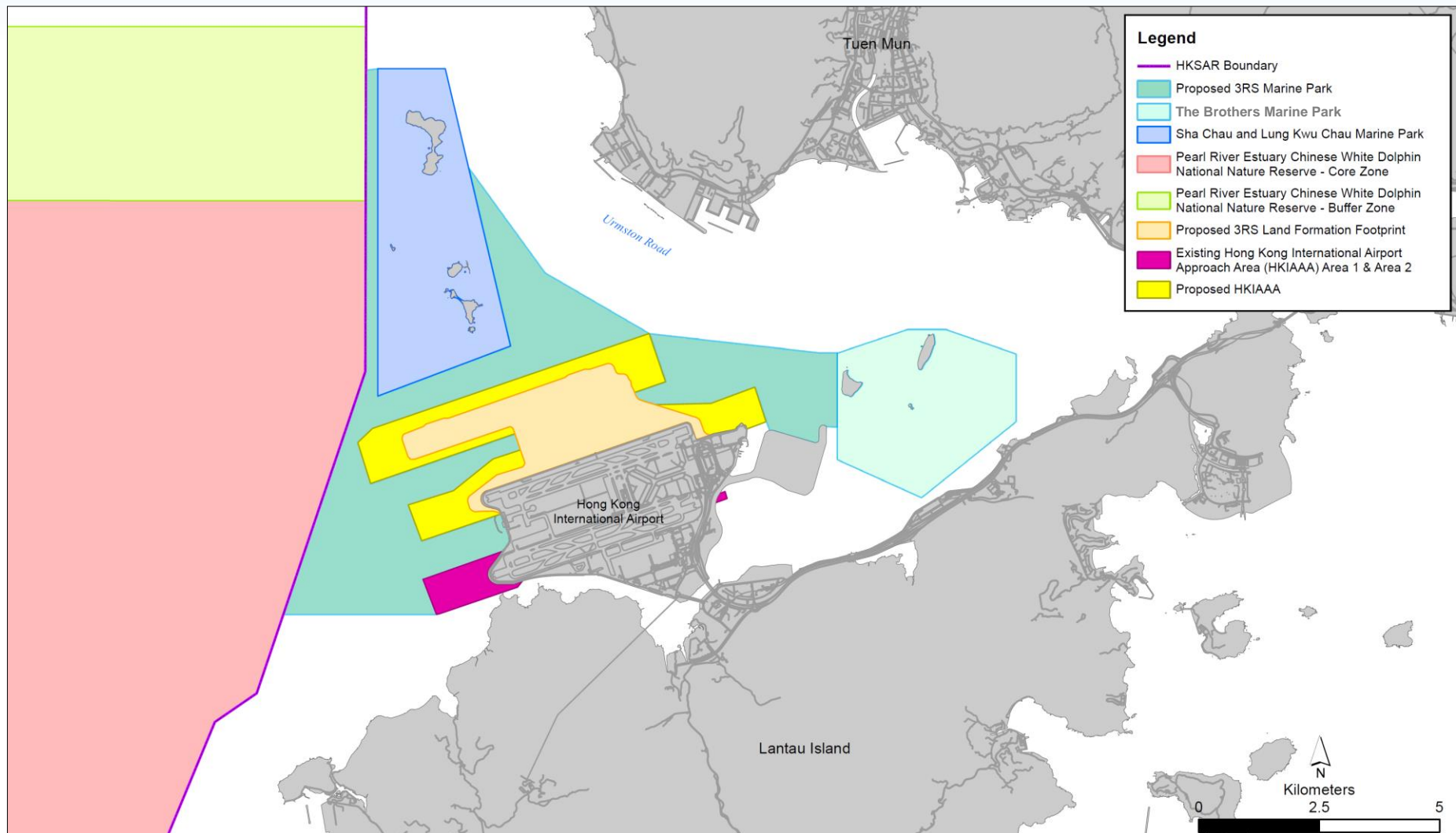


# Coral Transplantation Study (Beyond EP Requirements)

- Committed to conduct a coral transplantation study as requested by the Advisory Council on the Environment (“ACE”)
- A local coral expert Dr. David Baker from the University of Hong Kong was engaged to lead the study, with Professor Howard Lasker from the University at Buffalo as peer reviewer
- Coral fragments were clipped and coral colonies were cut from big substrata and moved to recipient site at Yam Tsai Wan
- Transplantation works completed in February 2017, post-transplantation monitoring underway
- Post-transplantation monitoring programme involves 9 rounds of monitoring within 39 months

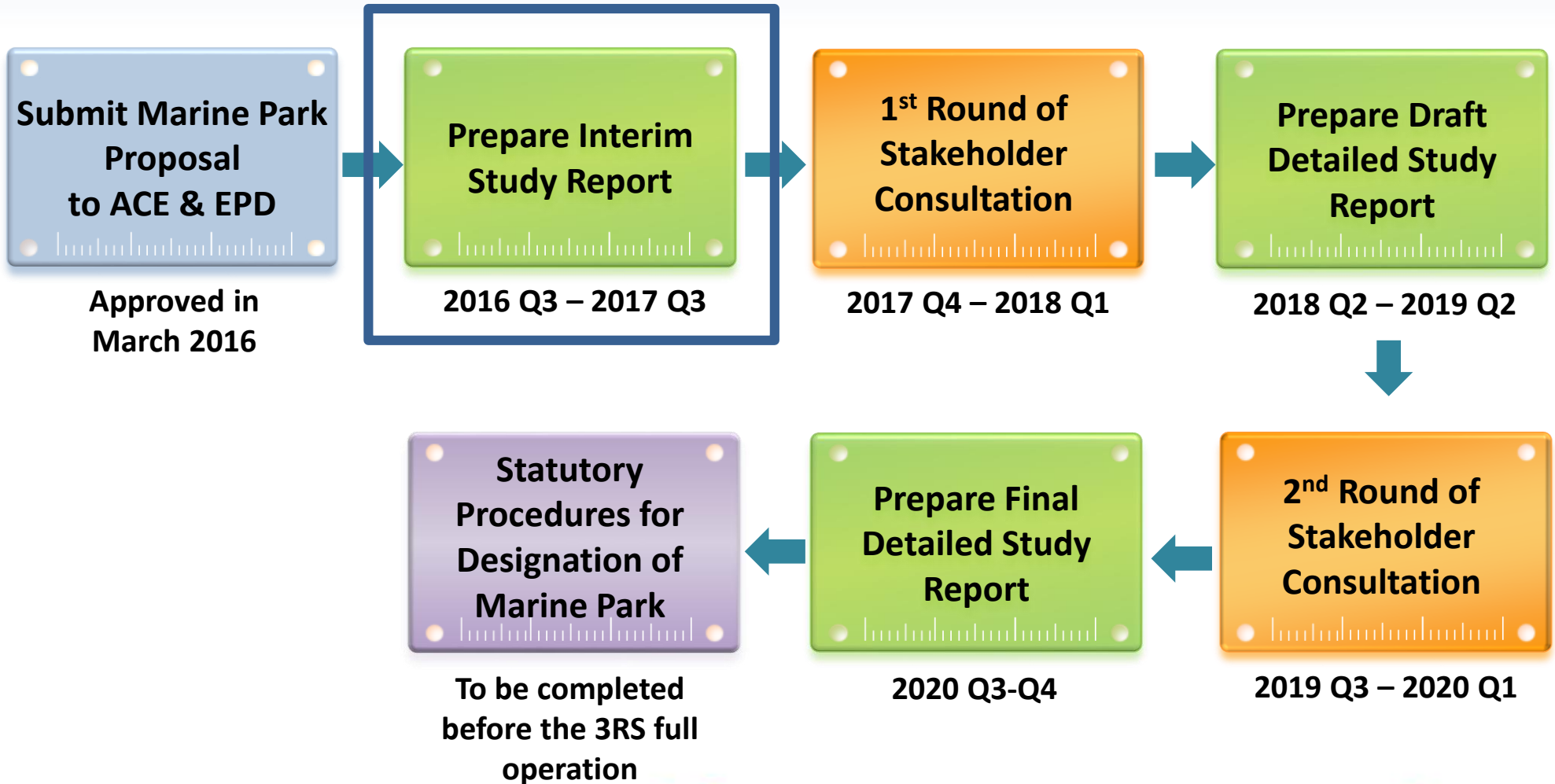


# Proposed 3RS Marine Park to Connect Marine Protection Zones



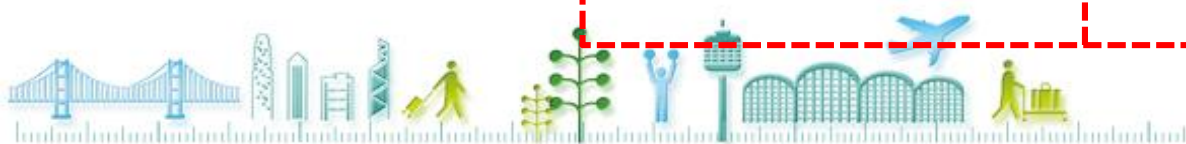
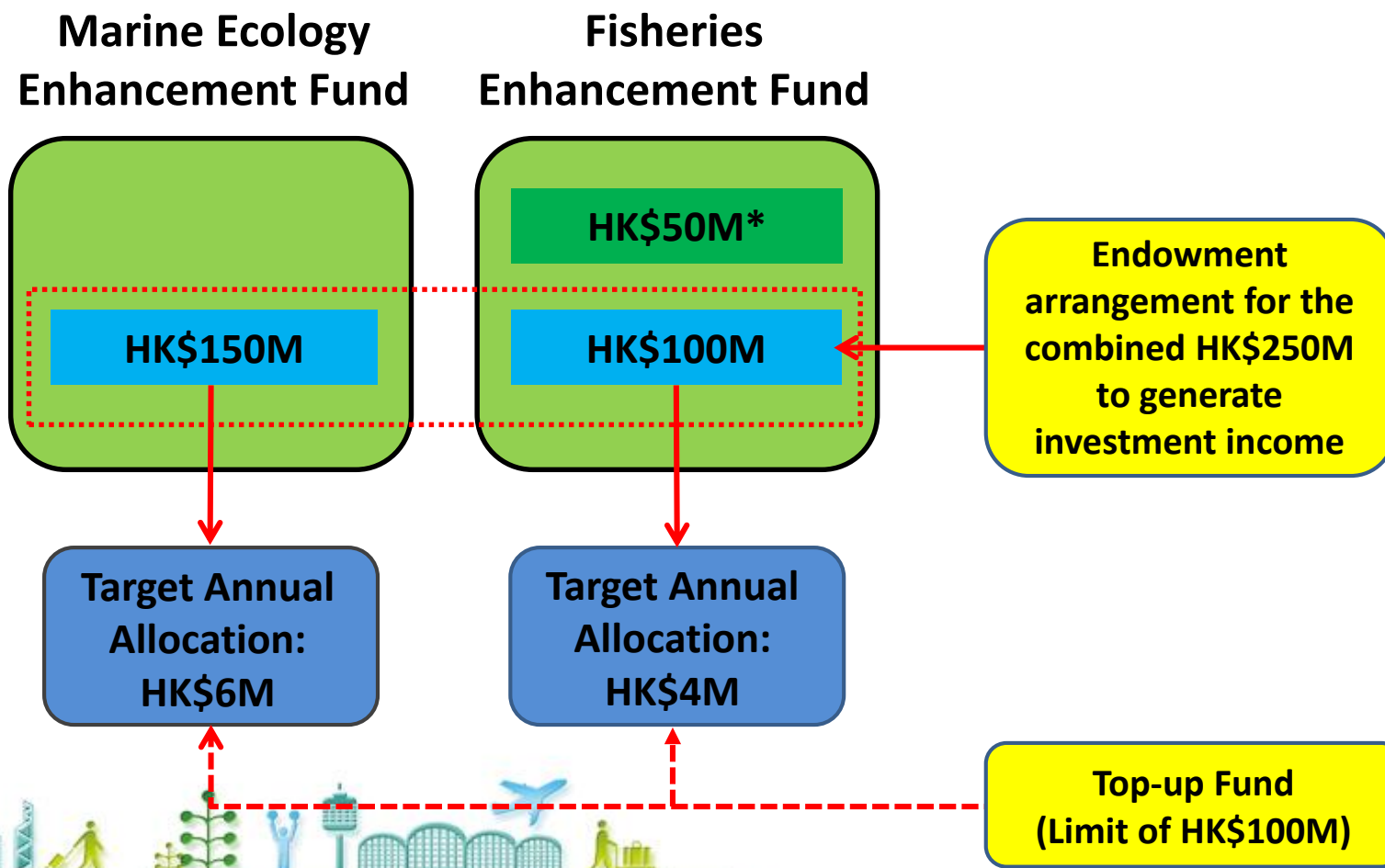
Note: The boundary of the proposed marine park is indicative only and subject to the final boundary published in the Gazette under Marine Parks Ordinance.

# Marine Park Study – Tentative timeline for key tasks



# Marine Ecology and Fisheries Enhancement Funds

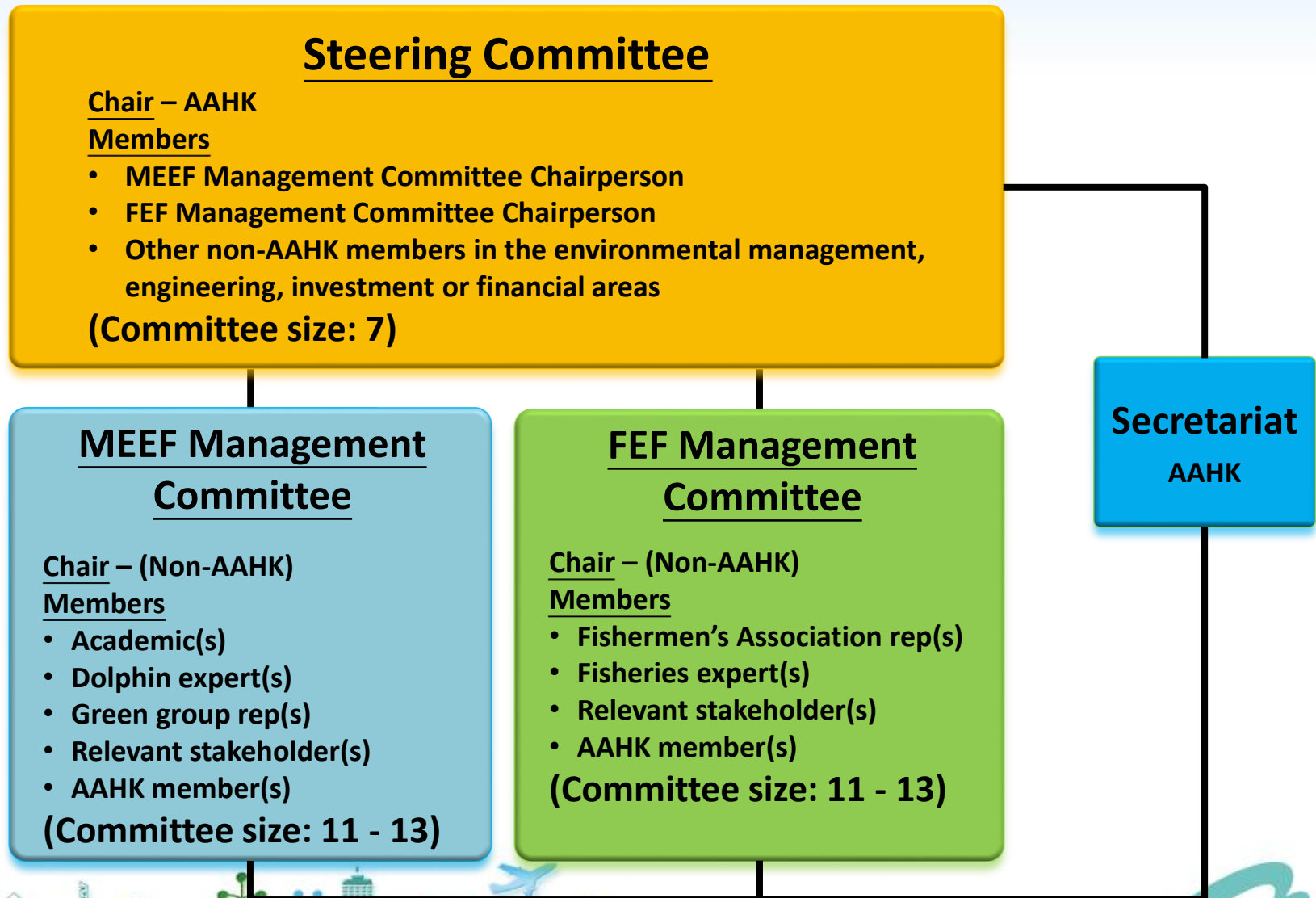
- To meet the conservation objectives in a **long-term and sustainable manner**.



\* A committed initial HK\$50 million allocation to jump start the implementation of the Fisheries Management Plan



# Fund Management Structure



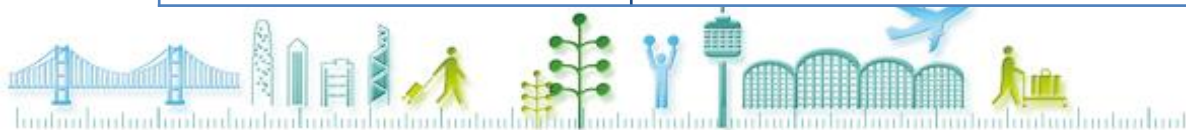
# MEEF Management Committee

Membership	Name	Organisation
Chairperson	Prof Paul LAM	City University of Hong Kong
Green group representatives	Dr Luk Ki CHENG	Green Power
	Mr Yamme LEUNG	WWF-Hong Kong
	Mr Ken SO	The Conservancy Association
	Dr William YU	World Green Organisation
Academics	Prof Put ANG	The Chinese University of Hong Kong
	Dr Jianwen QIU	Hong Kong Baptist University
	Prof Nora TAM	City University of Hong Kong
	Dr Eric TSANG	The Education University of Hong Kong
Dolphin Expert	Dr Lindsay PORTER	SMRU Hong Kong
AA member	Mr Martin PUTNAM	Airport Authority

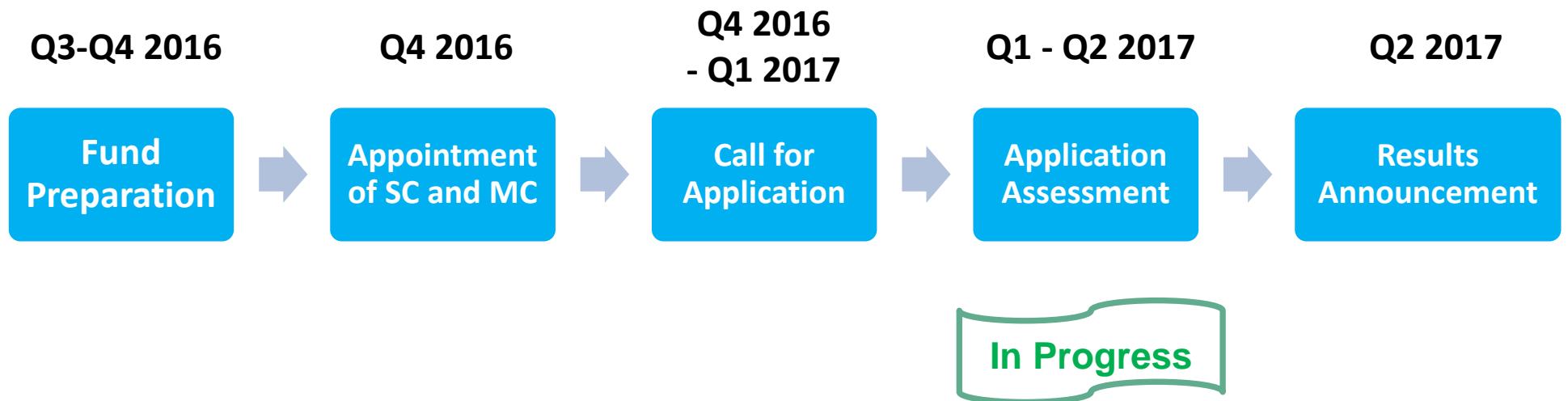


# FEF Management Committee

Membership	Name	Organisation
Chairperson	Prof Kenneth LEUNG	The University of Hong Kong
Fishermen's association representatives	Mr Siu Keung CHEUNG	Hong Kong Fishermen Consortium
	Mr Ka Fai FOK	Hong Kong and Kowloon Fishermen Association Ltd.
	Hon Steven HO Chun Yin	LegCo member of the Agriculture and Fisheries Functional Constituency
	Mr Yu Sun HO	-
	Mr Siu Fai KEUNG	Hong Kong Fishery Alliance
	Ms Ka Ling PO	-
	Mr Sheung Chun YEUNG	Hong Kong Fishermen Consortium
	Fisheries Expert	Dr Patsy WONG
Relevant stakeholder – Green groups	Ms Samantha LEE	WWF-Hong Kong
Relevant stakeholder – Academics	Prof Jonathan WONG	Hong Kong Baptist University
AA member	Mr Lawrence TSUI	Airport Authority



# Timeline for the Enhancement Funds





# Stakeholder Engagement

## Community Liaison Groups



## Professional Liaison Groups



- Currently the CLGs have a total of more than 130 members which include district councillors and community leaders.
- 8 rounds of meetings were held since inception of CLG in 2012.

- Currently 22 members comprising professionals & experts in relevant environmental fields.
- 3 rounds of meetings held since inception of PLG in 2015.



# Stakeholder Engagement

## Fishermen groups

- Some 30 engagement activities, including site visits, briefings, meetings with LegCo members and Government Departments on fishermen & mariculturists matters were held since 2012.
- Fishermen Liaison Group has been set up with a meeting-cum-visit held in November 2016.
- Two rounds of fishermen briefings were held in November & December 2016 on FEF.



# THANK YOU

