

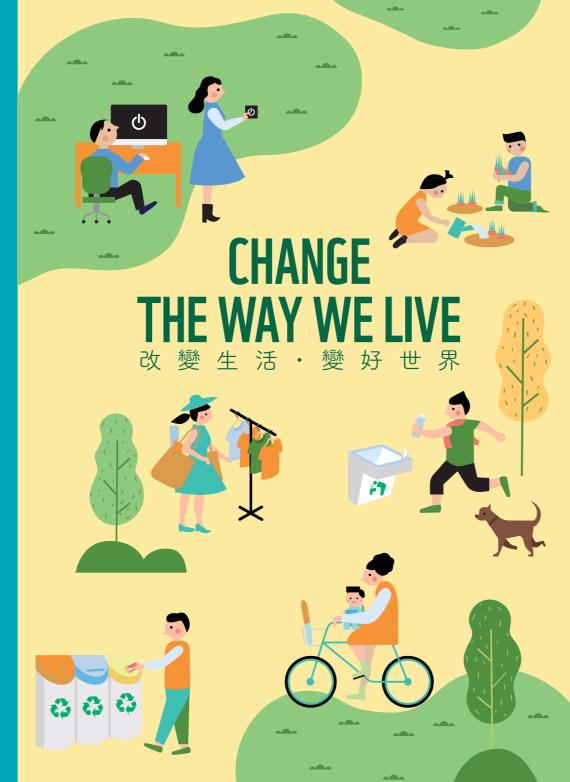
See Rohan Chakravarty's map series of the seven conservation priority sites that could form the first 10% of an MPA network by 2020 and help achieve our goal of 30% of HK's waters as MPAs by 2030.



How many of the species in Rohan's map of Hoi Ha Wan on our front cover are you able to identify? Follow the QR code to see the map key.







CHAIRMAN & CEO MESSAGE













places they are dying from continued stresses brought on by climate change, overfishing and marine litter, mainly from single-use plastics carried from the land and rivers into the sea. WWF-Hong Kong's oceans conservation team celebrated a significant success in 2012 with the legislation of a trawler ban across Hong Kong waters. Six years on, much more needs to be done to stop the degradation of our waters and actively restore and manage mangrove coastline fish nurseries and hard coral communities.

Our oceans may look and feel the same but in many

As part of the Greater Bay Area, Hong Kong needs to rethink how to strike a balance between development and the protection of areas of high conservation priority on both land and sea. The government should put these issues at the forefront of its policy agenda. WWF-Hong Kong needs your support to scale-up and speed-up efforts to have our marine areas protected. We cannot do this alone. Sign our pledge at the QR code link below and read more about our oceans and other environmental work in this issue of *About Life*.

Pledge to protect our oceans



together possible.



Edward M. Ho Chairman, Executive Council of WWF-Hong Kong



Peter Lornthwaite Chief Executive Officer, WWF-Hong Kong

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ABOUT LIFE

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• SAVE THE DATE •

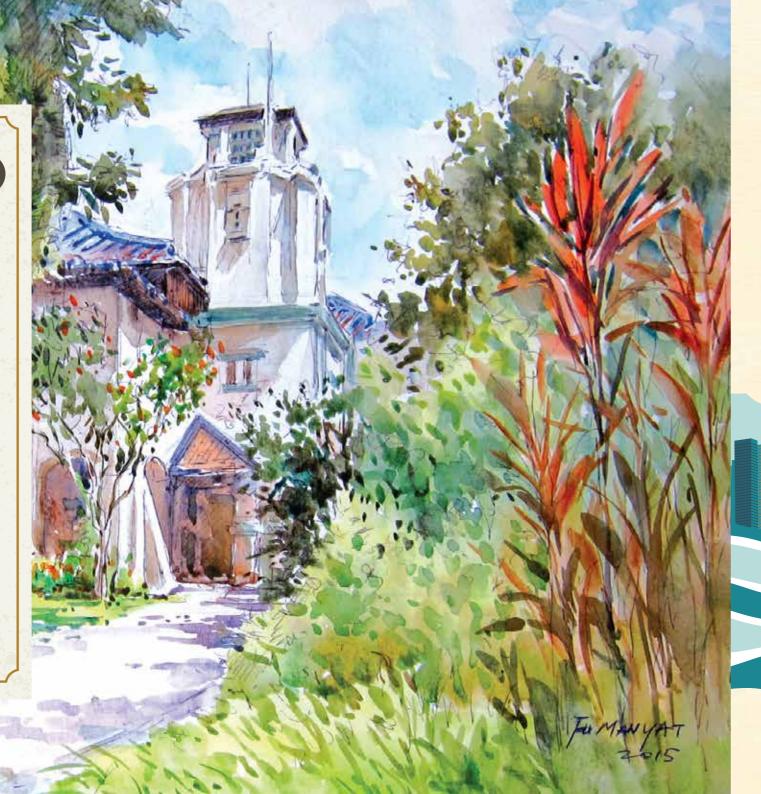
Discover sustainable solutions to change the way we live together with your friends and family at the Island House Conservation Studies Centre in Tai Po.

Come along to the Island House Festival and join our sustainability experts to talk about topics such as single-use plastics and how we can reduce them in our everyday lives. The festival will include screenings of the documentary A Plastic Ocean, eco-guided visits, a green market and workshops. In our signature Coastline Discovery visit, you will learn about the ecology around Island House and the importance of protecting the environment. At the green market, you will find eco-friendly daily products to help you change the way you live while the sea glass workshop will show you how to upcycle marine debris into useful items. You can also visit the Sea for Future exhibition and learn about our advocacy work to have 30% of Hong Kong

waters established as marine protected areas by 2030. Using augmented reality and virtual reality technology, discover the species and habitats we are working to protect.



Book now





環保海鮮週

SUSTAINABLE SEAFQQD WEEK

10-18 Nov 2018

重拾本地鮮味 Savour Local Flavours





CLIMATE CHANGE FOR CREDIT SUISSE



"With decisions to be made on the longterm deployment of trillions of cumulative funds. institutional investors at the forefront of

navigating the risks of climate change. Climate change poses a risk to the stability of the global financial system and should be a key consideration in all portfolios. In order to quantify the potential impacts of climate change in financial terms, we must have a thorough understanding of the issue.

"But it's not all doom and gloom. The global response to climate change from governments, regulators and companies will also yield many opportunities for institutional investors. By managing the risks and opportunities, investors can develop sustainable portfolios that contribute to our low-carbon and carbon-resilient future."

Ben Ridley

Director, Sustainability Affairs Credit Suisse AG



"Climate change is a major issue for investors with implications far beyond visible catastrophic risk. One area where these risks most likely lurk is

portfolios. Institutional investors are becoming more aware of the risks to their investments from climate change and we have started to see some investors in Europe and the US taking action on this issue. Our finance program's core objective is to get investors in Asia to start taking action.

"Our recently released Climate Primer and associated workshops provide regional investors an overview of the science of climate change, an articulation of global policy around the issue, a survey of technological approaches to the problem, and an outline of the various financial entities and resources involved in addressing climate change."

Jean-Marc Champagne

Head of Environmental Finance jmchampagne@wwf.org.hk



"In Asia, climate change awareness and the motivation for action is relatively low. Our mission is to raise awareness of climate change with institutional

investors. We believe that portfolios can be made greener without necessarily sacrificing returns - indeed, some green portfolios outperform conventional benchmarks.

"The consequences of climate change – including melting glaciers and rising sea levels, changing weather patterns and extreme weather events, loss of crucial ecosystems and increased oceanic acidity - all have risk implications for investors and their portfolio investments. These include the physical risk from extreme weather events as well as risks stemming from the transition to a lowcarbon economy. For this reason, we have written this primer specifically for the investment and financial community in Asia."

Sam Hilton

Senior Research Analyst Environmental Finance shilton@wwf.org.hk



Workshops for qualified institutional investors and financial professionals: environmentalfinance@wwf.org.hk









WWF



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TOWARDS A OCEAN

PLASTIC-FREE

'The more I learn about the issues of marine litter and single-use plastics, the more I see their magnitude The sources are so broad. coming from household and city waste, recreational and fishery activities, industrial discharge, and

illegal dumping. To deal

with the issues in all their complexity, it is essential to form partnerships across industry groups and national borders and reach out to as many different stakeholders as possible. Read about the work we are doing both locally (below) and around the region (facing page)."

Dr Patrick Yeung

Manager, Oceans Conservation WWF-Hong Kong pyeung@wwf.org.hk



"When I joined WWF's Sea Without Litter programme, I never imagined that the GPS device would flow from the river to the sea. This experience made me aware of the impact of marine litter. We reached out to the community to ensure more people realize

the seriousness of this issue and become conscious of how their daily choices can alleviate the problem."

Lai Pui Hang

Sheung Shui Government Secondary School

Partnerships in Hong Kong



"We held coastal cleanups with WWF a number of times. They helped the people that joined our coastal clean-ups understand how they can make a change in their daily lives. For example, providing reusable lunch boxes in place of the usual polystyrene

lunch boxes for the volunteers during the clean-up really helped to drive home the point!"

William Chan

Business Director (SE) Sai Kung District Community Centre



"After joining WWF's programme, we realized that the biggest change was in ourselves! In the past, we did not think what happened to our waste. Now, we always think about keeping our seas clean and reduce our use of disposable items. This

increase in awareness is our biggest gain."

Anton Tsang

Life Front-Line Sailing Ministry

...and around the region



"In our marine litter proects, we advocate for policy change and law enforcement, the business sector, and raise individual awareness to drive for behavioural changes. We are currently working on waste management measures for marine

litter in the Mekong area and developing Phu Quoc as a plastic waste free island."

Thuy Nguyen Dieu

WWF-Vietnam



"We want to make Davao City a model in curbing single-use plastics, through partnership with the city government and stakeholders. There are existing policies that promote alternative materials and these policies need better implementation, including

the enforcement of penalties for non-compliance. Schools will also be involved in the campaign"

Ricky Biyo

WWF-Philippines



"We are working to develop innovative solutions for waste management and upcycling to prevent plastic entering the ocean. We are working in five cities that are close to MPAs and key marine tourist hotspots. We have initiated a volunteerbased platform for coastal

and underwater clean-ups and a citizen science network to raise awareness and build local expertise."

Wawan Ridwan

WWF-Indonesia



will engage corporates facilitate plastic production, single-use plastic reusable plastic, and encourage supermarkets to reduce plastics in their packaging. We will develop a national consumer

encourage consumer actions to reduce single-use plastics, including research into alternatives to plastic food packaging."

Pakawan Talawat

WWF-Thailand

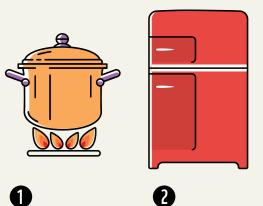


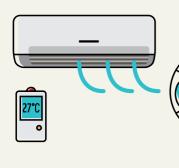


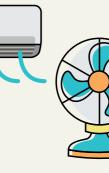
EMBRACING A LOW-CARBON LIFESTYLE

"About 70% of our greenhouse gas comes from electricity generation, of which 90% comes from electricity use in our buildings. Investing on energy-saving technology can significantly reduce our demand in a cost-efficient manner.

"An average Hong Kong household uses 25% of its energy on air conditioning, 24% on cooking, 18% on heating water and 10% on refrigeration. Everyone can play a role in reducing energy consumption and turning Hong Kong into a low-carbon city. It's time to Change the Way We Live. Here's how:

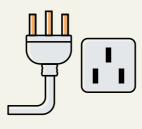
















4

5. Hang out your washing to air dry

6

- 2. Ensure refrigerator seals are air-tight 3. Use fans to spread conditioned air
- 7. Unplug your charger when not in use

6. Use the washing machine's cold water cycle

4. Use fans instead of air-conditioners

"Simple choices such as these make all the difference when it comes to making our



Read more about our policy asks

Suzanne Cheung

Lead Consultant, Conservation Policy suzannecheung@wwf.org.hk

TRANSFORMING HONG KONG

OUR SEVEN ASKS

For this year's policy address, WWF-Hong Kong asks Chief Executive Carrie Lam to implement the following measures to help TRANSFORM HONG KONG INTO ASIA'S MOST SUSTAINABLE CITY.



BROWNFIELDS FIRST

Protect marine habitats and country parks when considering development and identify unprotected areas of high ecological value to remain "development free".



MARINE SPATIAL PLANNING

Marine reclamation should be a last resort. Government should conduct a MSP exercise, providing resources to restore areas of conservation priority.



Establish no take zones in existing and future marine parks.





WILDLIFE CRIME IS SERIOUS

Adopt tougher penalties on the illegal trade under Schedule 1 of the Organised and Serious Crimes Ordinance (OSCO), implement CITES rules and boost enforcement.



TACKLE MARINE LITTER

Tackle marine littler at source, in storm drains and rivers. Regulate single-use plastic products like bottles, straws and cutlery.



CONSERVATION TRUST

Establish a conservation trust independent from government and supported by law to safeguard the long-term biodiversity management of ecologically important sites.



RENEWABLE ENERGY

Set a 10% renewable energy target by 2030 and strengthen policy to enhance buildings energy efficiency with the support of green financing.



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Hong Kong's power companies recently proposed setting up a floating LNG terminal near Soko Islands, the only place in Hong Kong where both Chinese white dolphins and finless porpoises can be found. Yet a thorough study of the construction impact on the marine habitat is missing from the environmental impact assessment (EIA) report submitted by CLP.







The Soko Islands is an incredibly special place rithin Hong Kong habitat. It's the only place the both

exist together. In the last 10 years, there's been extensive development in the norther part of Hong Kong's habitat and the dolphins are now mainly concentrated in the Soko Islands area. An LNG terminal is proposed for that habitat and we are very concerned that both the construction and the long-term running of the facility will impact both dolphins and porpoise. If we want Hong Kong to remain a safe place for dolphins to be in we must protect the Soko Islands and leave them in their natural state."

Dr. Lindsay Porter

Senior Research Scientist University of St. Andrews



"WWF strongly objects to the EIA report for the proposed liquified natural

gas supply in Hong Kong is exceptionally stable. To the west, we have the Second West-East Gas Pipeline, Yacheng Pipeline dolphins, can result in internal haemorrhaging and damage and Wenchang Gas Field to supply natural gas. To the east, their hearing, which will adversely affect their ability to use we have natural gas supply from Shenzhen. Regarding price and supply, Hong Kong's natural gas is very secure. Under will suck water from the sea. When this is discharged back the Scheme of Control, after the LNG terminal is build, Hong into the sea, the temperature will drop to 5 or 6°C. This is Kongers will need to pay an additional HK\$400 million each not good for the porpoises since they are not use to such cold year. In short, WWF is totally opposed to the construction of water. Further, the colder sea water will affect the survival the LNG terminal"

Suzanne Cheung

Lead Consultant, Conservation Policy suzannecheung@wwf.org.hk



"If they build the liquified natural gas terminal, piling will be carried out. The noise from piling is

up to 220dB. This will harm both finless porpoises and echolocation to find food. The liquified natural gas facility rate of larvae and eggs."

Samantha Lee

Assistant Director, Oceans Conservation mwslee@wwf.org.hk

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SOURCING SUSTAINABLE SEAFOOD



commercially seafood species have wide range distributions on Earth.

where our seafood comes from because some populations are well managed whereas others are not. This may occur at a national level, but also can be applied to regional and community levels of management. The origin is critically important for the consumer to know so they can make an informed decision of which products to buy if they wish to reduce their ecological footprint.

The global demand for seafood is insatiable, and growing rapidly. It's clear that the oceans can no longer meet this demand after centuries of over-exploitation. If we are to maintain our demand for seafood, the only solution is mariculture and better management of coastal and openocean fisheries."

Dr. David Baker

Assistant Professor, The University of Hong Kong School of Biological Sciences



"Market practice is to bring live fish in from all over the region then sell them at a premium. Buyers do not know where they are from,

how they got here, or when and what they last ate. More importantly, buyers do not know the state of their health. When they are near death, the cells in the fish will release enzymes to breakdown their muscular tissues, resulting in offtasting fish. From day one, we have practiced sustainability, traceability, accountability and scientific animal husbandry.

Our fries comes from our hatchery in Cairns, Australia. The broodstock is genetically mapped to ensure biodiversity in their spawning. Each spawning is carefully recorded and the growth history of the fries is tracked until they are sold. All records are kept and reviewed by certification bodies."

Mark Kwok

Director Aquaculture Technologies Asia Ltd



"While switching all of Invisible Kitchen's regular Ocean-Friendly I spoke to many seafood

wholesalers, and the majority do not try to supply sustainable seafood options. Some may have something like sustainable lobster but not by design, just by chance.

The problems that restauranteurs or chefs face are mainly of supply chain. In order to use sustainable salmon, shrimp and tuna across my own catering menus, we now purchase those items regularly from three different suppliers. There are some ingredients which I've been unable to find, so faced the option of having to either purchase uncertified fish or to drop species from our menus. If we are able to switch just 5% of customers to sustainable seafood then the impact on oceans would be enormous."

Tom Burney

Executive Chef Invisible Kitchen



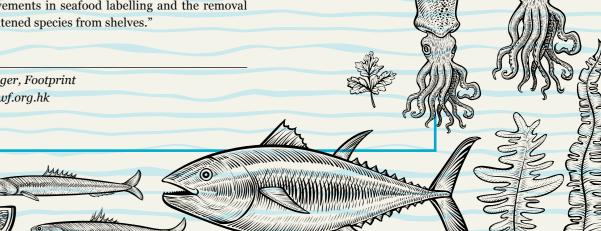
seafood choices we make in Hong Kong have a huge impact on global marine resources. Supermarkets are key

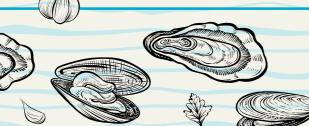
places for consumers to purchase seafood and important players in the city's sustainable seafood scene. We are the only environmental NGO in the city to assess seafood sustainability and engage with public and business to drive a sustainable seafood movement.

We monitor supermarkets in the city and encourage them to formulate and implement a sustainable seafood procurement policy. The policy involves not selling threatened species, the increasing procurement of sustainable seafood, regular chemical testing, sufficient and accurate product information. Our work in the sector has led to improvements in seafood labelling and the removal of some threatened species from shelves."

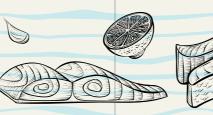
Jovy Chan

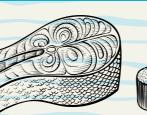
Project Manager, Footprint jovychan@wwf.org.hk

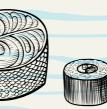


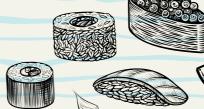


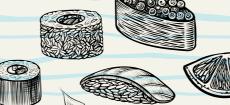
















"Hong Kong is exceptionally rich in biodiversity, however, the city's development-oriented mindset makes it necessary for us to be on the lookout to safeguard its rich biodiversity. WWF-Hong Kong's Environmental Watchdog team scrutinises Environmental Impact Assessment reports, planning studies, and applications that could have adverse ecological impact. We also lobby the government for effective protection of our country parks and enclaves, and report eco-vandalism activities to government, and to stop environmental destruction taking place at ecologically sensitive areas.

"Since the late-April, the Land Supply debate has been a hot topic which we are closely following. Some of the proposed land supply options, such as country park development, reclamation and using agricultural lands for housing supply, will have a significant impact on Hong Kong biodiversity. The government's approach needs to be reconciled with sustainable development. The team has been actively responding to any land supply proposals that could have adverse ecological impact. The watchdog team will continue to use different channels to voice out our advocacy of protecting country parks

while prioritizing brownfield sites for addressing immediate housing shortage."

Senior Conservation Officer, Local Biodiversity cmchan@wwf.org.hk

Find out more







Search Investment Group

is proud to support WWF-Hong Kong in its work to protect and improve the environment for a sustainable future.



OCEANS

TURN THE TIDE ON CLAM DIGGING

"If you visit Shui Hau in the summer, you're likely to see many tourists clam digging during low tide. But unregulated clam digging is putting pressure on this ecological gem. Shui Hau is one of the best places in Hong Kong to connect with nature due to its unique collection of coastal habitats, ranging from marshes and mangroves to mudflats and rocky shores. This diverse array of habitats is home to one Lantau's biggest sandflats and supports a relatively high diversity of species.

Our recently launched two-year ECF Sustainable Shui Hau project aims to lower impacts from human activities such as clam digging to retain the area's ecological value and protect species such as the horseshoe crab. The large Asiatic hard clam has all but disappeared due to this unsustainable activity. By mobilizing citizen science survey teams, we will conduct baseline surveys to enrich our ecological knowledge of the area and monitor the conservation status of clam species. We will also formulate a code of conduct to prevent unsustainable clam digging practices, and raise public awareness of the issue with

Lydia Pang

Project Manager Sustainable Shui Hau Project lpang@wwf.org.hk



Do you want to form a survey team and get oject? Find out more



(Stock Code 股份代號: 257)

作為亞洲最大的垃圾發電投資運營商,光大國際 在發展業務的同時,致力於可持續發展,不遺餘 力地推行聯合國的17個可持續發展目標。公司連 續五年被納入恒生可持續發展企業指數,連續三 年被納入道瓊斯可持續發展指數,並於2017年 獲納入富時社會責任指數。

As Asia's largest waste-to-energy investor and operator, Everbright International is responsive to sustainable development while developing its business. It pays ceaseless effort to promote and align with the United Nations' 17 Sustainable Development Goals. Everbright International has been selected as a constituent of the Hang Seng Corporate Sustainability Index for five consecutive years, and included in the Dow Jones Sustainability Index Series for three consecutive years. It was also added to the FTSE4Good Index in 2017.





















情繫生態環境、築夢美麗中國

Devoted to Ecology and Environment for a Beautiful China



www.ebchinaintl.com



The Making Zero Impact Fashionable project aims to forge a collaborative network of fashion business leaders to advance sustainability as a core value through strategic business planning, product development, company policy and operational practices.





"As a leading global trade bank, HSBC has a unique role to play in supporting a shift to sustainability in global supply chains. In particular, we are committed to aligning our community investment programmes to support sustainability textile and apparels sector. Our partnership with WWF on Making Zero Impact Fashionable is a great opportunity to bring together fashion business leaders and talents to promote innovative and clean technology applications to the industry."

Susanna Wilson

Global Head of Sustainable Networks & Entrepreneurship HSBC





"The process of making garments is very complicated and within the process there are areas that are harmful to the environment. Finding a supplier with a similar mindset is important because when we introduce environmental programmes or tools, they will be more willing to explore them with us. The Making Zero Impact Fashionable programme provides a platform to raise awareness of the importance of sustainability to suppliers, consumers and other brand owners."

Jennifer Tam

Marketing Director Chicks





"By engaging companies to implement sustainable practices throughout their business operations, and engaging forward-looking leaders to reduce carbon emissions, we hope to help consumers change the way they live. This programme provides a segue into our Low-carbon Office Operation (LOOP) programme, which helps monitor office emissions, and our Low Carbon Manufacturing Programme (LCMP), which aims to reduce carbon emissions generated by manufacturing facilities and develop environmental social governance for managers."

Karen Ho

Head of Corporate and Community Sustainability kho@wwf.orq.hk





SEA FOR FUTURE

As part of our call for the government to adopt 30% of Hong Kong waters as marine protected areas, we have identified seven sites of immediate conservation priority that could form the first 10% of an MPA network by 2020 to secure the future of our vulnerable marine hotspots. Our travelling exhibition, currently at Island House and Hoi Ha Wan, introduces five species from the nearly 6,000 that inhabit our waters. Read what some kids had to say after visiting our exhibition in Times Square.







I learned about sea turtles. WWF should build a national park for sea turtles! Their plight is really bad.



Sea turtles can swim fast! They face danger from eating plastic!



Pledge to protect

I learned about pink dolphins.



I learnt about the Chinese bahaba and the horseshoe crab. I've never seen an animal that looks like a horseshoe.



I learned that animals are becoming endangered. The dolphins face danger from habitat loss and boats.



The crowdfunding appeal we launched to raise HK\$450,000 to deploy at least nine hydrophones and continue our research into the dangers posed to Chinese white dolphins from heavy marine traffic reached its goal with the generous support of our donors. Chinese

white dolphins are one of the priority species we need to urgently protect the campaign and learn more about hydrophones at the QR code below.



GET INVOLVED!

WWF-Hong Kong hosts an array of supporter events for the public, schools and corporate members at our three centres.

KEY EVENTS

Members of the public can join our annual events or take part in a range of eco visits, seminars and other programmes. Upcoming events include:

WALK FOR NATURE 3-4 November



FLAG DAY 15 December



EARTH HOUR 30 March 2019





EDUCATION

Schools can take part in programmes that teach students about conservation and sustainable living and enable them to take part in actions to protect biodiversity and champion low-carbon living.





CORPORATE

Corporate members can join ecoguided visits and activities or use our centres for conservation volunteering, like shoreline clean-ups.







Our Ocean in numbers

30%

of Hong Kong's waters need to be established as marine protected areas by 2030, with the first 10% by 2020.



of abandoned fishing nets were upcycled into buttons and buckles to raise awareness of marine litter issues.



Working to sustain the natural world for people and wildlife 為人類及野生生物延續大自然 together possible wwf.org.hk

is the distance noise from percussive piling at CLP's proposed LNG platform could travel, even with mitigation.

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metric tonnes of plastic enter the

single-use, killing millions of sea

ocean every year, much of it

creatures.