







Formulating a BSAP for Hong Kong Special Administrative Region, China

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Greetings from Hong Kong



- Area: 1,104 km²
- International financial centre
- Shopping / gourmet paradise
- Densely-populated city







Our Natural Assets

- Over 40% land area protected by law
- Topography + sub-tropical climatic environment → diverse habitats









Our Natural Assets



Birds 520 species



Butterflies 236 species



Terrestrial mammals 55 species



Amphibians 24 species



Freshwater fishes 185 species



Vascular plants >2100 native species



Reptiles 86 species



Dragonflies 117 species



Hard corals 84 species



Marine fishes 997 species







Our Natural Assets











Extension of CBD to Hong Kong









Major Tasks Following the Extension

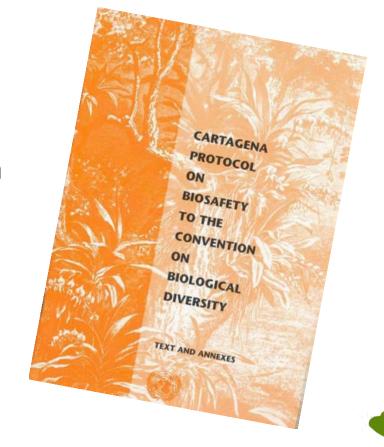
New Legislation:

Genetically Modified Organisms (Control of Release) Ordinance

(Cap. 607)

Enacted in March 2011.

 To implement the Cartagena Protocol on Biosafety to the Convention on Biological Diversity in Hong Kong.

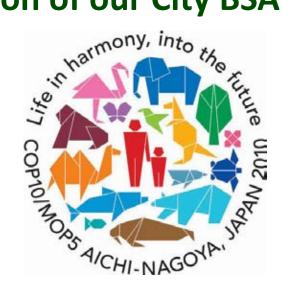


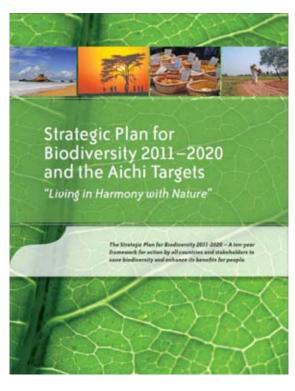




Major Tasks Following the Extension

Formulation of our City BSAP





Aichi Biodiversity Target 17:

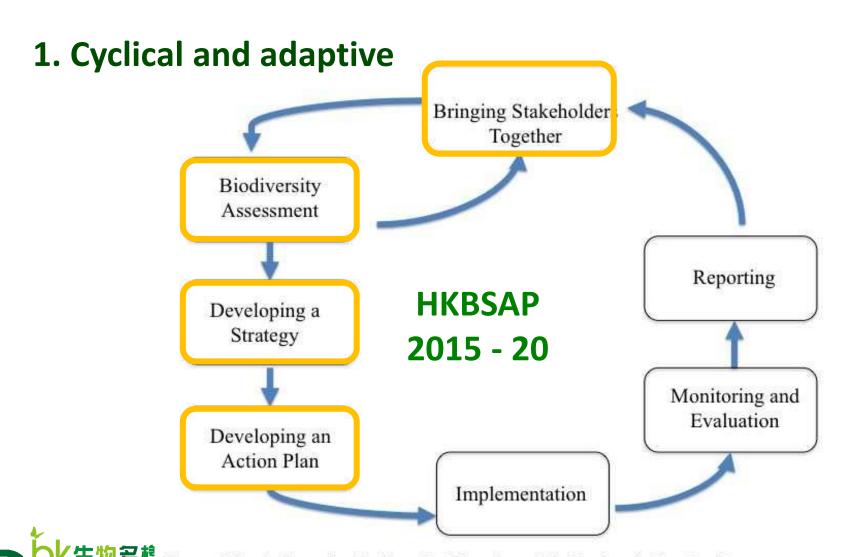
"...by 2015, each Party has developed, adopted...and commenced implementing an effective, participatory and updated national BSAP."

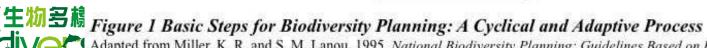






Approach to BSAP formulation





Adapted from Miller, K. R. and S. M. Lanou. 1995. National Biodiversity Planning: Guidelines Based on Early Experiences Around the World. Washington D.C., Nairobi, Gland: WRI, UNEP, and IUCN.

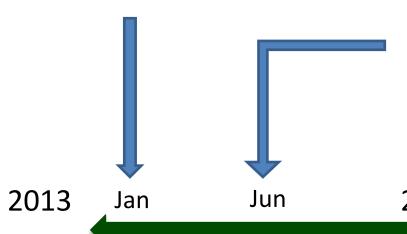


Approach to BSAP Formulation

2. Open and Participatory

Engage the society

Raise awareness and encourage participation





Set up a three-tier advisory committee

Deliberate on the strategy and action plans

2014 2015







Three-tier Advisory Committee

Steering Committee

Provide overall steer, monitor the progress, identify priority issues, consider and prioritise action plans

3 Working Groups

Examine the status of biodiversity and conservation mechanisms; study priority issues and formulate action plans

12 Focus Groups

Focus on one issue; feed comments from interested parties to the committee

Government

Professional bodies

Indigenous representatives

NGOs / civic groups

Scholars

Private sector

Government

Professional bodies

Indigenous representatives

NGOs / civic groups

Scholars / experts

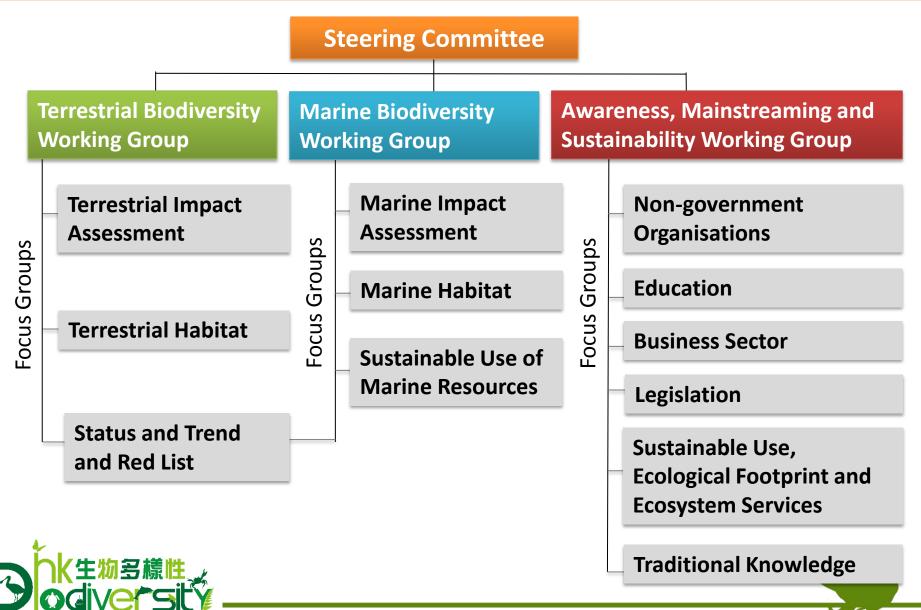
Private sector

Any person interested in the topic





Three-tier Advisory Committee





SC / WGs Meetings and FGs Activities



>20 SC / WG meetings for this year

















Public lectures, roving exhibitions









Website, YouTube channel, short videos







Our Rich Biodiversity





























Engagement meetings

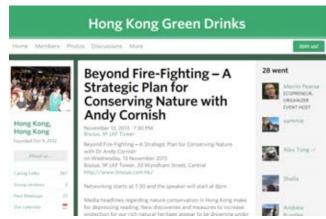
Direct:

- Questionnaire
- Focus Groups
- Public Forums (June 2014)
- Consultation (early 2015)

Indirect:

- Parallel process by civic groups
- Hong Kong Green Drinks









Challenges and Opportunities



Capacity building

First BSAP, to be compiled in 2 years



Engage the experts in the society

Experience, resources and support needed



so we are here!









Challenges and Opportunities



Expectation management

New concepts –
"biodiversity",
"ecosystem services"





Co-learning, sharing of information



Regular communication with stakeholders





Challenges and Opportunities



Government to do everything?

Where is the funding, and how to get them



Engage new partners

On keeping the momentum



Identify supporting points / organisations





B.S.A.P.

- BUY-IN: endeavour to seek maximum buy-in from stakeholders including those in Government, NGOs and land/business sectors;
- **STRATEGIC:** focus on aspects and issues that are relevant and important for achieving the vision, mission and targets;
- ACHIEVABLE: the work plan, recommendations and the proposed BSAP should be realistic and achievable; and
- **PRIORITISATION:** to prioritise issues, actions and resource allocation; and seek consensus wherever possible on the various priorities.







Thank you!

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YouTube: 'HKBSAP' channel

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Backstage



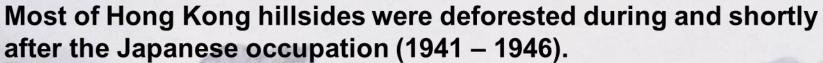




Part I: Biodiversity of Hong Kong











Afforestation





Tree Species for Afforestation

- Hardy, fast growing exotic pioneer species (mostly Australian species) that would grow well in sites of poor soil
- laid the successful foundation of Hong Kong's later greening



Pinus massoniana



Casuarina equisetifolia



Eucalyptus robusta



Acacia confusa



Lophostemon confertus



Melaleuca cajuputi cumingiana







Years of Afforestation Efforts

- Erosion control
- Soil and water conservation
- Habitat restoration and Rehabilitation



Year	No. of Tree Planted inside
	Country Parks
91/92	354,300
92/93	320,200
93/94	323,200
94/95	317,600
95/96	333,200
96/97	344,900
97/98	334,200
98/99	553,500
99/00	664,053
2000/01	643,044
2001/02	790,000
2002/03	899,000
2003/04	1,051,578
2004/05	735,000
2005/06	855,000
2006/07	903,000
2007/08	933,000
2008/09	905,000
2009/10	736,000
2010/11	738,000
2011/12	740,000
2012/13	723,000









Diverse habitats

- Sub-tropical climate
- Diverse topography, diverse habita
- >40% land area protected by law



















High Biodiversity in a Small Area







Butterflies 236 species



Terrestrial mammals 55 species



Amphibians Freshwater fishes 24 species 185 species



Vascular plants >2100 native species



Reptiles 86 species



Dragonflies 117 species



Hard corals 84 species



Marine fishes 997 species







Threatened Species

Globally threatened species makes Hong Kong their home



Xenophrys brachykolos



Platalea minor



Orthetrum p. poecilops



Cuora trifasciata



Platysternon megacephalum



Manis pentadactyla auritus



Liuixalus romeri



Gomphidia kelloggi



Chroicocephalus saundersi



Chelonia mydas







Endemic Species

Species unique to Hong Kong



Halpe paupera walthewi



Fukienogomphus choifongae



Sinopora hongkongensis



Dibamus bogadeki



Leptogomphus hongkongensis







Species New to Science

Species which have not been described by scientists before



Hong Kong Bent-winged Firefly Pteroptyx maipo (2009)

- First found by AFCD at Hong Kong Wetland Park in 2009
- First record of the genus Pteroptyx from mainland China and Hong Kong
- Also known to occur at Mai Po, Lut Chau, Tsim Bei Tsui.
- Endemic to Hong Kong
- Zootaxa 2931:8-34 (2011)



Hong Kong Tusktail Fukienogomphus choifongae (2004)

- First found by AFCD at Wu Kau Tang in 2004
- · Only known to occur at Wu Kau Tang
- Endemic to Hong Kong
- Odonatologica 35(1):81-87 (2006)







Species New to Hong Kong

Species which have not been recorded in Hong Kong

Tylonycteris robustula (2005)



Cephalaeschna klotsi (2003)



Puffinus tenuirostris (2004)



Halophila minor (2005)



Pipistrellus tenius (2005)



Chilasa agestor (2002)



Myotis muricola (2005)



Mangarinus waterousi (2002)









Part II: Biodiversity Conservation in Hong Kong







Practices for Conservation in Hong Kong



Conservation Authority

AFCD is responsible for the nature conservation of Hong Kong

Aims of Conservation Works

- To conserve flora, fauna and natural habitats
- To designate and manage country parks, special areas, marine parks and marine reserves
- To control international trade in endangered species of animals and plants in Hong Kong















Nature Conservation in Hong Kong

- Nature conservation is essentially the conservation of biodiversity. It embraces protection, maintenance, sustainable utilization, restoration and enhancement of the natural environment.
- Nature conservation is positive and proactive. It requires proper management of human use of the living world so that it may provide maximum benefit to the present generations while maintaining its potential to meet the needs and aspirations of future generations.



















Habitat Conservation - Protected Areas



- Country Parks & Special Areas
- Restricted Areas
- Marine Parks & Marine Reserve
- Sites of Special Scientific Interest (SSSI)
- Conservation Areas & Coastal Protection Areas

















Protected Areas in Hong Kong

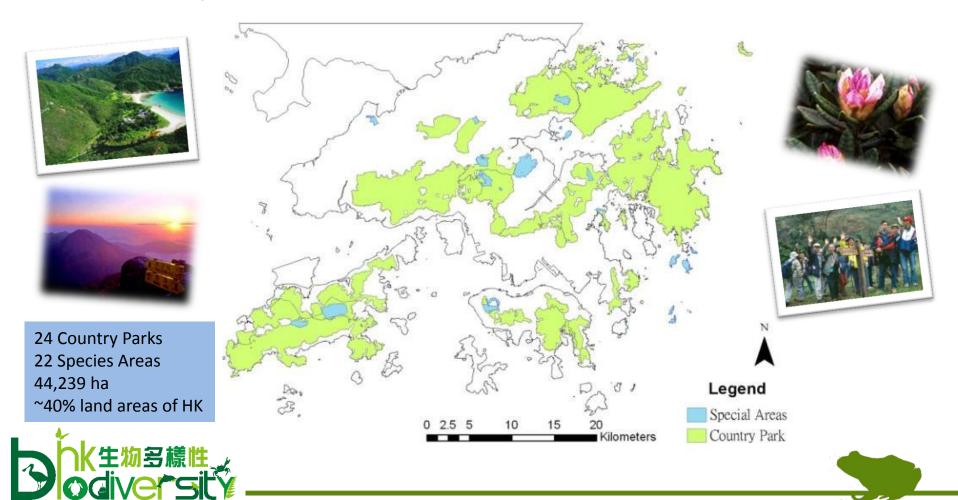
- Cover over 40% of land areas in Hong Kong
- Largely ecologically connected
- Over 98% of terrestrial and freshwater species of the major faunal groups have representative populations within the protected areas





Country Parks and Special Areas

- Country Parks Ordinance (Cap. 208), enacted in 1976.
- 3 main objectives: conservation, recreation and education





Restricted Areas

- Wild Animals Protection Ordinance (Cap. 170)
- To protect ecologically important habitats from disturbance impacts.

 Access to these areas is restricted through a permit system administered by AFCD.





Marine Parks and Marine Reserve

Marine Parks Ordinance (Cap. 476)

 Water sports and coastal activities not permitted in Marine Reserve

 Marine Parks managed through zoning plans, which achieve the multi-function purpose of the parks:

Anchoring Areas

Core Areas

 Mechanised Vessels Prohibited Zone

Inboard Vessels Prohibited Zone

4 Marine Parks
1 Marine Reserve

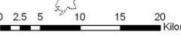
Tung Ping Chau MP

Yan Chau Tong MP

Hoi Ha Wan MP

Sha Chau & Lung Kwu Chau MP

Cape D'Aguilar MR









Species Conservation - Legislation

- Forests and Countryside Ordinance (Cap. 96)
- Wild Animals Protection Ordinance (Cap. 170)
- Environmental Impact Assessment Ordinance (Cap. 499)

Python bivittatus

- Protection of Endangered Species of Animals and Plants Ordinance (Cap. 586)
- Genetically Modified Organisms (Control of Release) Ordinance (Cap. 607)



Manis pentadactyla



Liuixalus romeri



Zosterops japonicus







Biodiversity Baseline Survey

- Programme initiated by AFCD in 2002
- Covers different habitats; the location, status and composition of important plant communities; and the distribution and abundance of over 1,200 animal species
- Surveyed fauna groups: mammals, birds, reptiles, amphibians, freshwater fish, beetles, butterflies, and dragonflies















Conservation Action Plans

Mai Po Inner Deep Bay Ramsar Site Management Plan

Romer's Tree Frog Action Plan

Black-faced Spoonbill Action Plan

- Green Turtle Action Plan
- Three-banded Box Turtle Action Plan
- Chinese White Dolphin Action Plan
- Flora Conservation Action Plan
- Butterfly Conservation Action Plan
- Installation of bird boxes and bat houses







Education and Publicity

- Education and volunteer programmes
- Guided tours
- Exhibition and seminar
- Publications





International and Regional Cooperation

- Ramsar Convention
- Convention on International Trade in Endangered Species of Wild Fauna and Flora (CITES)
- Convention on the Conservation of Migratory Species of Wild Animals (Bonn Convention)
- East Asian Australasian Shorebird Site Network
- Convention on Biological Diversity











