



O - 國際百萬森林計劃 (包括十億樹木行動及地球植林計劃)
- 聯合園環境膏 青港區項目
O Les événements de reboisement de de verdissement du projet mondial de million d'arbres (avec la campagne pour un milliard d'arbres et le programme de 'plantons pour la planète') sous PNUE - pour la région hongkongaise

O The - International Million Trees (Forest ) Project & Network (with the billion trees campaign and the "plant for the planet" program) under UNEP » - Trees Conservation & Planting Events for Hong Kong Region

DELEGATION OF TREES CONSERVATION OF TREES CONSER

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The change over time in the balance between habitat loss and gain within a geographic range

https://www.youtube.com/watch?v=n\_rQlTNB7Ag

Do we need to redefine forest?

Just another ecosystem with biodiversity?

a source of timber products or valuable resources?

ha home for indigenous people?

loss and gain of tree canopy cover?

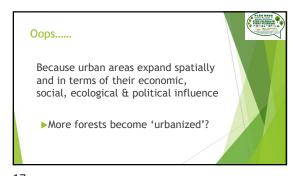
a repository for carbon storage?

a source of multiple ecosystem services?

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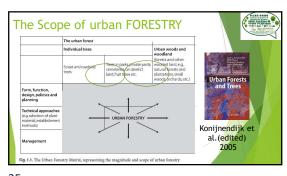
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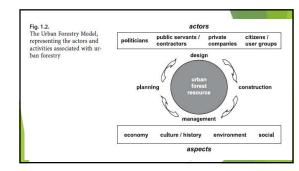




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## **Urban forests - FAO definition**

- ▶ networks or systems comprising all woodlands, groups of trees, and individual trees located in urban and peri-urban areas
- ▶ they include, therefore, forests, street trees, trees in parks and gardens, and trees in derelict 被遺棄 corners.
- ▶ Urban forests are the backbone of the green infrastructure, bridging rural and urban areas and ameliorating a city's environmental footprint.

Source: http://www.fao.org/forestry/urbanforestry/87025/en/

## Benefits of urban forests

- ▶nutrition and food security,
- ▶ poverty alleviation,
- ▶livelihood improvement,
- ▶ climate change mitigation and adaptation,
- ▶ disaster risk reduction,
- ▶ecosystems conservation.

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- ▶ surrounding landscape fragmentation;
- ▶ resource access insecurity and decrease of food security;
- ▶ higher frequency and vulnerability to extreme weather events: floods, droughts, landslides and extreme winds; --- think about 明日大嶼
- vulnerability of soil to erosion and watershed

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## Degraded green resources may lead to..... (continue)

- ▶ increase of the economic costs in terms of mitigation of climate change effects;
- ▶ increasing levels of pollution;
- ▶ increase of human diseases (such as cancer, cardiovascular diseases, allergies, obesity, etc.);
- ▶ loss in supply of non-timber forest products and rise of their prices;
- limited access to wood fuel products, both for

industrial and domestic purposes.



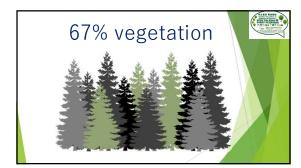
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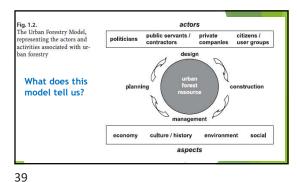














- •Henderson Land Development Co. Ltd
- •Great Eagle Holdings Ltd
- •Wheelock Properties (Hong Kong) Ltd
- •Cheung Kong (Holdings) Ltd
- •Nan Fung Group

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- Pacific Century Premium Developments
- New World Development

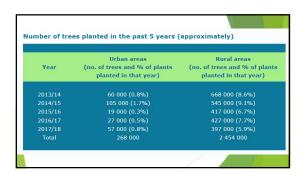


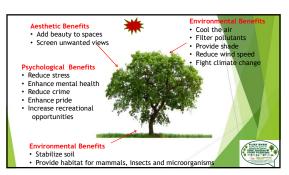
Government's Greening policy on govt website????? Government have developed strategies which aim to To improve the coordination and effectiveness of greening efforts within the current regime, ▶ To make greening an integral part of future public works projects. ▶ To encourage private sector and community participation to promote greening ▶ To encourage active planning of greening programme ► To enhance opportunities of quality greening, ▶ To enhance community support and private sector involvement, To enhance tree preservation.

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umber of plants planted in the past 10 years (approximately)				
Year	No. of plants planted (million)			
	Trees	Shrubs	Annuals	Total
2008/09				
2009/10				











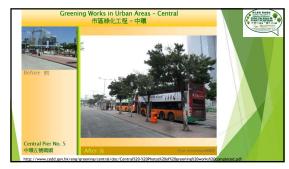






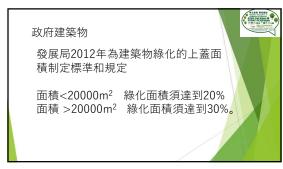












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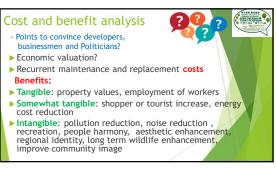




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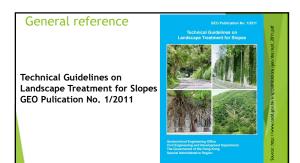






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Measures to Allow Retention and Protection of trees

Where <u>valuable trees or vegetation exist</u> within the area of proposed slop works, measures that should be considered to allow retention include:

(a) Localised adjustment of the slope design to avoid removal of or damage to, valuable trees or vegetation.

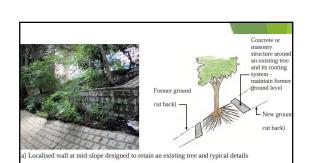
(b) Provision of <u>retaining structures</u>, e.g. local retaining walls, <u>structural</u> props or support guy ropes.

(c) Careful siting of engineering elements (e.g. soil nail heads and grillages stairways, drainage channels) away from trees and their root systems.

d) Provision of tree protection zones around trees to be retained

Source: http://www.cedd.gov.hk/eng/publications/geo/doc/ep1\_2011.pdf

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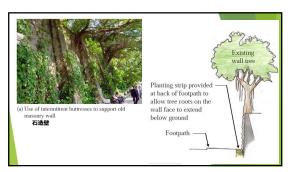
(c) Localised wall extending into adjacent pavement to retain an existing tree

► Trees on old masonry walls are of <u>particular value</u> and <u>require special consideration</u>, and the wall stability may be affected by them.

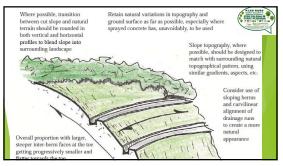
- ▶ Ficus microcarpa on masonry wall 石造壁 have extensive rooting systems that can cover significant areas of the wall face, and extending into the surrounding ground.
- ► For works on masonry walls, the roots of existing trees should be <u>carefully protected</u> and <u>special engineering detail</u> may need to be provided in the design,
- > such as provision of intermittent buttresses to support the wall or openings in a supporting toe slab to allow tree roots to extend into the ground

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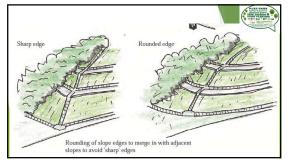
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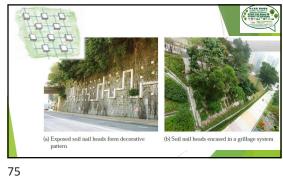




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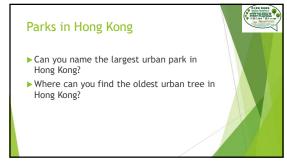












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Victoria Park 17 ha HK Park Morse Park 8 ha Kowloon Park 15.8 ha 13.5 ha HKZBG Tai Po Waterfront Park 5.4 ha 22 ha Tuen Mun Park 12.5 ha Tin Shui Wai Park 14.8 ha





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**Review of Some Big News** 

2005.2.12 Collapse of Lam Tsuen Wishing Tree
2008.8.27 Fatal Tree Collapse of Erythrina variegata at

2010.6.14 Fatal Tree Collapse of Peltophorum pterocarpum at Shatin Wai

2012.10.11 Fatal Tree Collapse of a large tree branch of Ficus microcarpa at Lam Tsuen

2014. 8.14 Fatal Tree Collapse of Ficus elastica at Robinson Road

2018.8.21 Fatal Tree Collapse of a branch of Ficus elastica at Shun Lee Estate

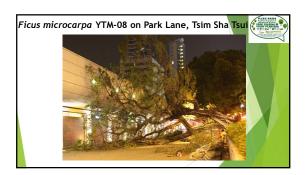
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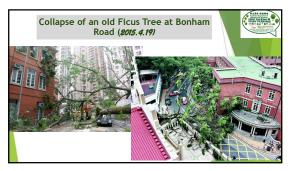
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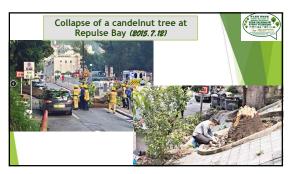






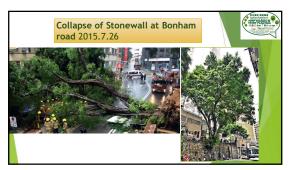
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▶ To enhance tree preservation.

Any suggestions?
What is the most important point(s)?

完 / The end

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