



香港中文大學圖書館

The Chinese University of Hong Kong Library

More than Just a Green Building

Developing Green Strategies at The Chinese University of Hong Kong Library

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June 2016



Sustainability Definitions

- “[t]he heart of sustainability is not data on CO2 emissions, but a spirit of action, a state of mind” (Clark, 2013)
- Greening “is a process, as well as a state of mind, and it calls for taking action”. (Le Ber and Gregory, 2004)



Green Strategies

“A green strategy for an enterprise – public or private, government or commercial – is one that complements the business, operations, and asset strategies that are already well understood and often well articulated by the enterprises fundamentally helps an enterprise make decision that have a positive impact on the environment.”

(Olson, Eric G. “Creating an Enterprise-level ‘Green’ Strategy” Journal of Business Strategy, vol. 29, no. 2 (2008), pp.22-30)



Green Strategies

- ***Three Principles:***

- A green strategy fosters a common culture of awareness and action
- A green strategy facilitates decisions and transformation initiatives that improve the environment
- Green strategies have attractive value propositions that are cost effective

- ***Green strategy maturity model:***

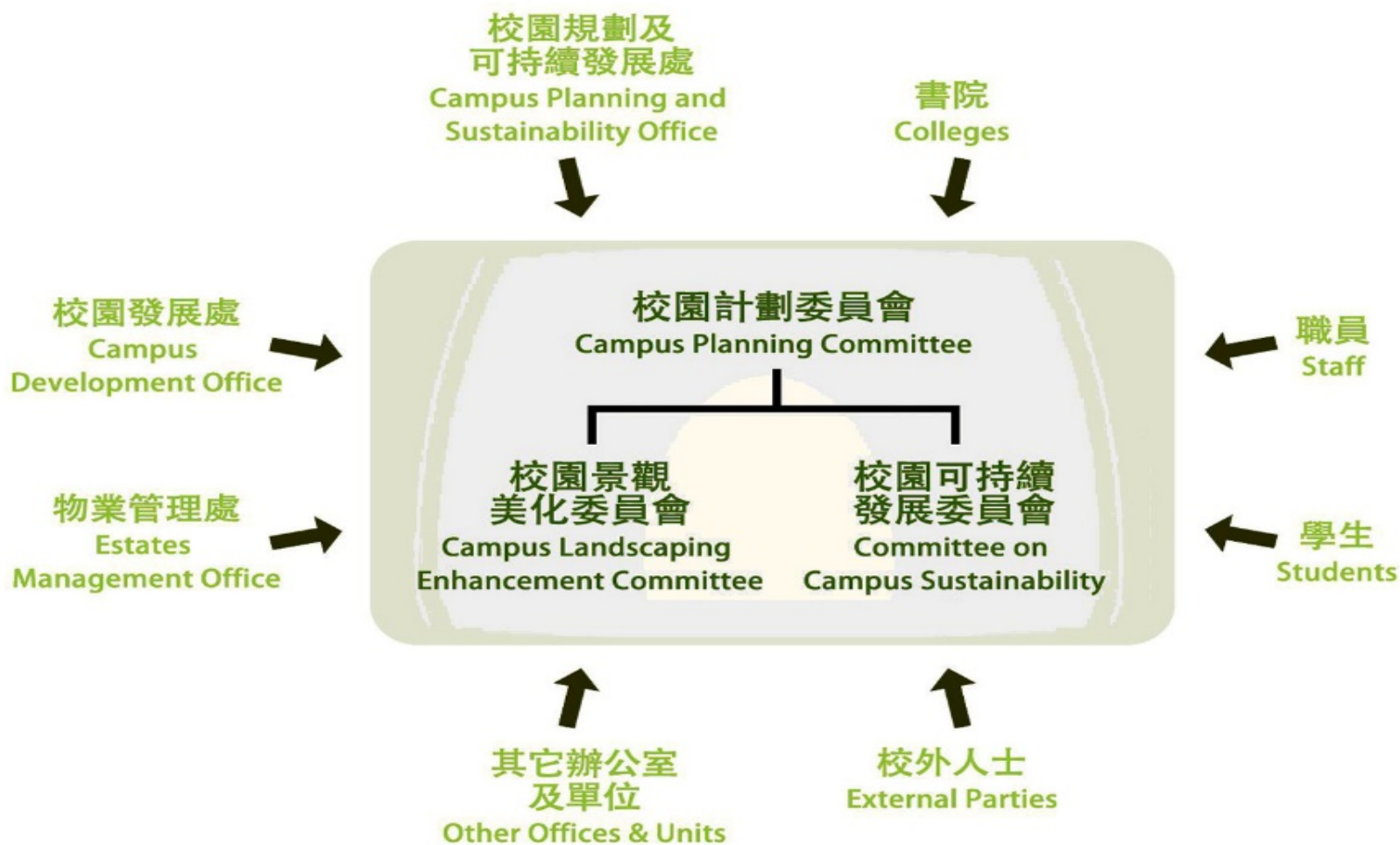
- Aware → Developing → Practicing → Optimising & Leading



Our environment









Targets (per capita)

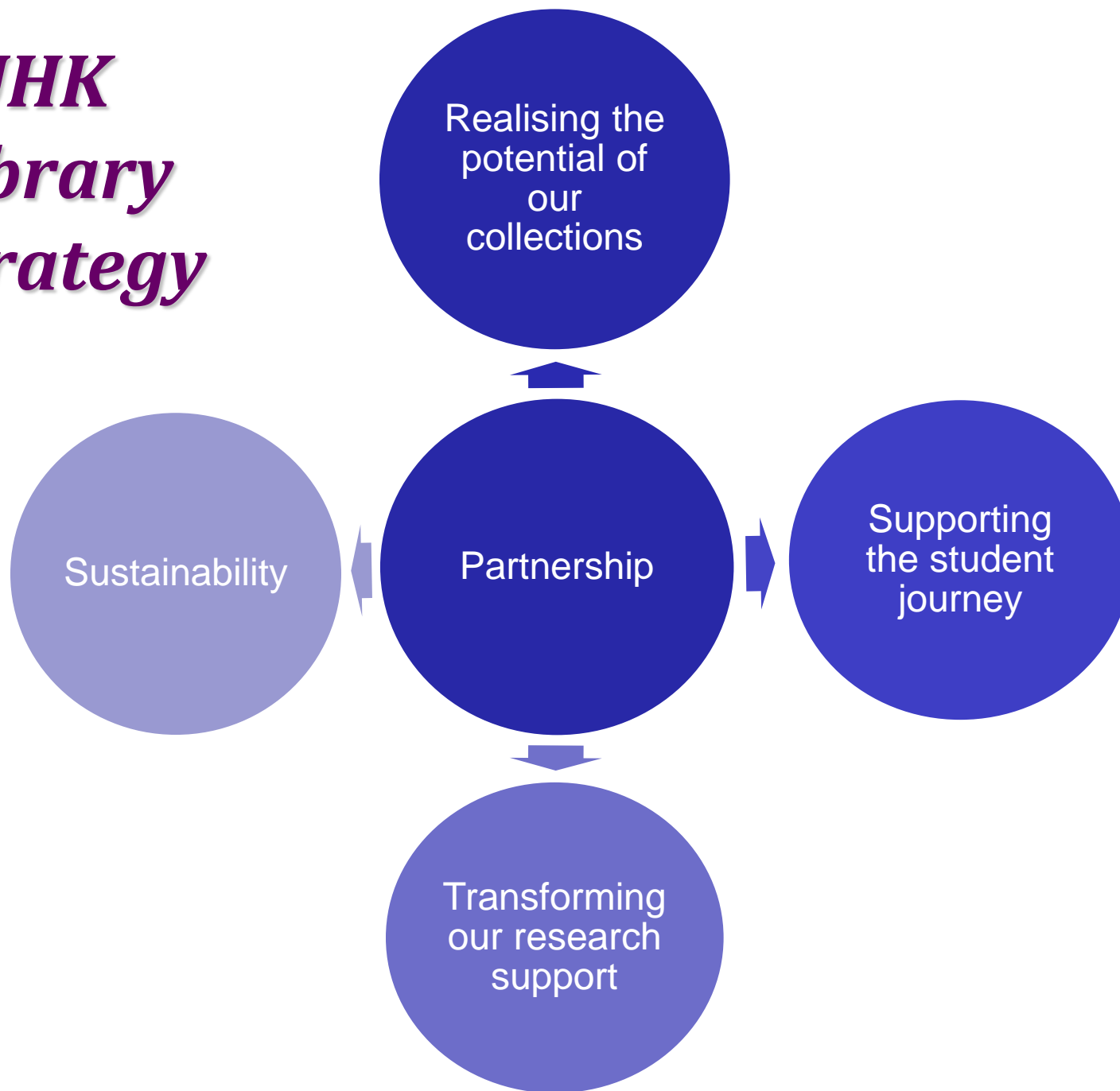
- -12% waste to landfill
- -15% water usage
- -50% use of paper

Targets (per capita)

- -8% energy consumption
- -10% greenhouse gas emissions



CUHK Library Strategy



Library Vision Statement

We wish to be recognised for:

“engaging with our students, faculty and the wider university community to design and deliver user-centred, sustainable services and spaces”



Library Strategic Plan: Sustainability

4 objectives under the theme of sustainability:

- Progress towards environmental sustainability wherever possible
- Deliver and demonstrate value and fiscal responsibility
- Optimise collection space, storage and preservation
- Secure the organisational structure and staff skills needed to deliver the Library mission and vision



Rooftop Organic Vegetable Patch





Rooftop Gardening Survey

	Strongly Agree	Agree	No comment	Disagree	Strongly disagree
Participation in rooftop gardening raises my awareness of the importance of a Green Life	39%	61%	0%	0%	0%
Participation in rooftop gardening increases my knowledge of fresh and healthy local produce	58%	42%	0%	0%	0%
Participation in rooftop gardening enhances team work building among library colleagues	51%	39%	10%	0%	0%
Participation in rooftop gardening increase training opportunity for leadership	26%	48%	16%	6%	3%
Participation in rooftop gardening helps me to learn organic farming	71%	29%	0%	0%	0%
Participation in rooftop gardening increases my support for a green and healthier living style	45%	48%	7%	0%	0%
The rooftop garden transforms a vacant space into a beautiful and productive space	81%	19%	0%	0%	0%



粵研 粵有趣

粵語研究面面觀

書展

日期：30/3-30/4/2016

地點：香港中文大學 大學圖書館地下大堂

開放時間：<http://www.lib.cuhk.edu.hk>

講座

3月30日
下午4時

第一講

非母語者的對談

講者：馬詩帆教授
(Prof. Stephen Matthews)
莊域飛教授
(Prof. John Wakefield)
片岡 新教授
地點：大學圖書館進學園

4月6日
下午4時

第二講

一切從語法開始

講者：歐陽偉豪博士
鄧思穎教授
主持：錢志安教授
地點：大學圖書館進學園

4月13日
下午4時

第三講

一切從文學開始

講者：樊善標教授
地點：大學圖書館進學園

講座網上報名

粵語
進行



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合辦



香港中文大學圖書館
CUHK Library



協辦



香港中文大學語言學及文化研究中心
香港中文大學中國語言及文學中心



Green Library Services

Sept 1999	Online request for Electronic Reserve Service
Jan 2000	Online request for Inter-library Loan Service
Sept 2002	Personalized Electronic Services - Bi-weekly New Additions List; Publishers / Vendors Alert Services CUHK ILLiad - Web-based inter-library loan service
Nov 2005	Online Application for Alumni Library Services - Library Card and Digital Library Service
Jan 2008	Online Library Room Booking System
Mar 2009	Self Check-out Station - Users can decide whether to print the receipt
Apr 2009	Online form for requesting inter-Branch Book Delivery
Aug 2009	Online Registration/Update of Email Address Service - to receive all important notifications from the Library, including Coming Due Alert, Hold Pickup, Recall or Overdue notices
June 2010	Discontinue the use of 'Date Due' slips
Jan 2011	All library notices sent out by email only
Jan 2012	Alumni Library Card online renewal introduced
Mar 2014	Online booking System for Faculty Study Rooms
May 2014	Online registration for a JULAC card, allowing reciprocal access to other university libraries in Hong Kong.





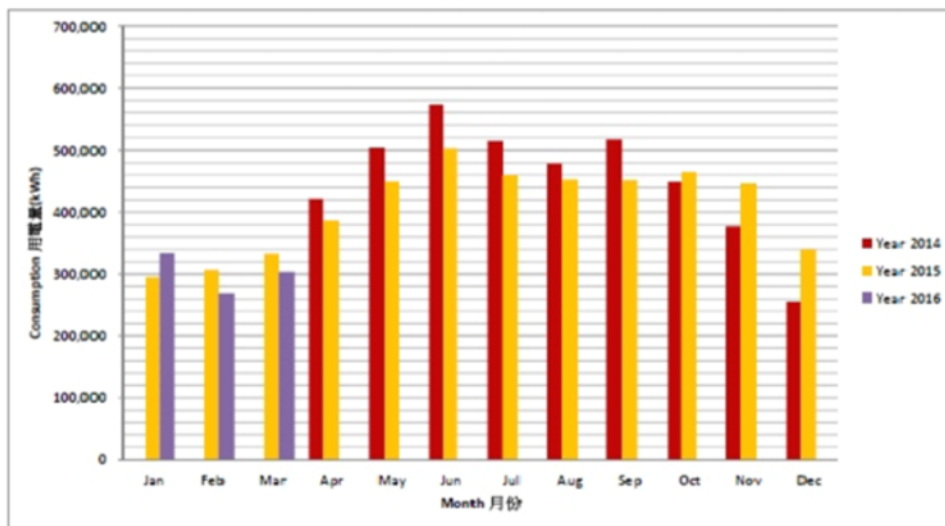
每月用電情況 Monthly Electricity Consumption

(電) 大學圖書館, 田家炳樓及大學圖書館新翼 (H3, H3a & H3b)

(E) Main Library, Tin Ka Ping Building and Library Extension (H3, H3a & H3b)

總樓面面積 (Gross Floor Area): 27429.8 m²

月/年 Month/Year	(a) 該月/季用電量 Monthly/Quarterly Consumption	(b) 每平方米用電量 Consumption / m ²	(c) 用電量 與去年同期比較 Consumption compared with last year	(d) 二氧化碳排放量 與去年同期比較 CO ₂ emission compared with last year	所需樹木數量以吸收 (d)排放的二氧化碳 No. of trees saved / to be planted to absorb the CO ₂ under (d)
3 / 2016	303,741 kWh	11.1 kWh/m ²	-8.6%	-18069 kg	736
3 / 2015	332,422 kWh	12.1 kWh/m ²	--	--	--
1 - 3 / 2016	906,619 kWh	33.1 kWh/m ²	-3.0%	-17407 kg	709
1 - 3 / 2015	934,249 kWh	34.1 kWh/m ²	--	--	--



Remarks:

- Reduction of every 1000kWh of electricity consumption will save 630 kg CO₂e emission a year (Source: Environmental Protection Department, HKSAR)
- The electricity consumption of the Tin Ka Ping Building, Main Library and Library Extension are grouped together to reveal the total electricity consumption of the three buildings in view of their building nature and infrastructure.
- University Gallery at G/F does not belong to the University Library. The electricity consumption of University Gallery shall be excluded from the University Library. The annual electricity consumption of the University Gallery is around 37,367kWh. User has to deduct this consumption in order to obtain the actual consumption of the University Library in final.



Sustainable Collection Development

- E - preferred for journals from 2006
- E – preferred for books from 2014
- JURA – planned shared remote storage project with ASRS
- JULAC distributed print journal storage project



Green Building





How are we doing?

	Aware	Developing	Practicing	Optimizing and Leading
Role of Leadership	<ul style="list-style-type: none"> Create guiding principles and governance to operationalize a green strategy 	<ul style="list-style-type: none"> Sponsor pilots for significant, visible investments with a key green component 	<ul style="list-style-type: none"> Sponsor a broad range of initiatives that integrate green principles with traditional business value 	<ul style="list-style-type: none"> Support and institutionalize continuous improvement
Role of Policies	<ul style="list-style-type: none"> Identify simple, enterprise level initiatives that demonstrate early commitment to a green strategy and reinforce the cultural change that is needed 	<ul style="list-style-type: none"> Communicate success stories, encourage all employees to begin thinking about opportunities in their local area of responsibility 	<ul style="list-style-type: none"> Manage a pipeline of green initiatives, monitor the external landscape for new green developments and industry trends 	<ul style="list-style-type: none"> Identify interdependencies across ongoing initiatives and manage skill sets through strategic staffing
Illustrative Actions	<ul style="list-style-type: none"> Pursue recycling initiatives, add the “green” contribution dimension to prioritizing business initiatives, and add the “green” selection criteria to procurement’s selection criteria 	<ul style="list-style-type: none"> Establish and report on green performance measures, such as revenue from recycled paper, bottles and cans, or lower energy consumption 	<ul style="list-style-type: none"> Build and maintain a green knowledge base Share lessons learned across the enterprise and develop a Center of Excellence 	<ul style="list-style-type: none"> Identify where results from successful initiatives can be duplicated and leverage them in other areas of the business

(Olson, Eric G. “Creating an Enterprise-level ‘Green’ Strategy” *Journal of Business Strategy*, vol. 29, no. 2 (2008), pp.22-30)



