Geospatial Information Hub (GIH) in Hong Kong Special Administrative Region Government

SUNG Hon-kwong, Senior Land Surveyor
Survey and Mapping Office,
Lands Department,
Hong Kong SAR Government

地政總署測繪處
Survey and Mapping Office
Lands Department

Present Day Information Problems

- Data scattered in different departments
- Data in different formats, structures and computer systems
- Can be very inconveniently to access useful data keep by different departments
- Request, retrieve, prepare and disseminate of data involve substantive human interaction

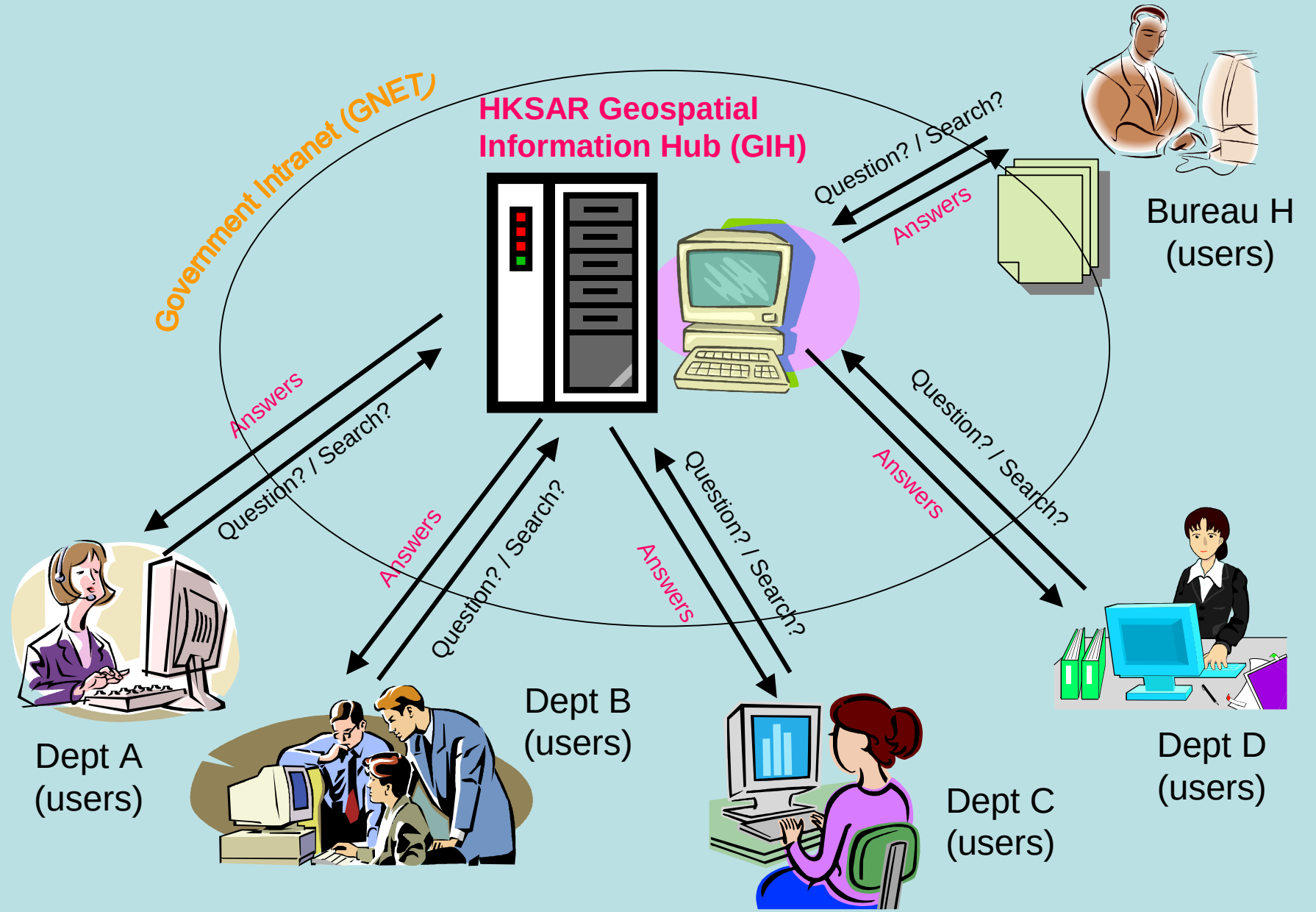
Present Day Information Problems

- Duplicating effort in data processing among different parties
- Duplicating investment in building GIS with similar functions and data

Problems Affecting Information Transparency and Accessibility

- Different government departments have different views on data sharing
- Spatial Data Interface (SDI) policy yet to be formulated in Hong Kong

A New Way of Accessing Geospatial Information in the Government



GIH Development

- Lands Department to develop and manage the GIH
- GIH launched in July 2004
- One-Stop information Service
- Run on ArcGIS Internet Mapping System
- A web-based information hub
- Use Lands Department's digital map data as a base
- Serving about 50 government departments

地政總署測繪處
Survey and Mapping Office
Lands Department

Lands Department's Role in GIH

- Integrate geospatial data from different sources (more than passive clearinghouse)
- Make geospatial data easily accessible in the Government
- Increase awareness and facilitate the sharing of geospatial data in the Government

地政總署測繪處
Survey and Mapping Office
Lands Department

Data available in GIH

- 1:1,000, 1:5,000 & 1:10,000 digital base map
- Aerial photos
- Ortho-rectified air photos
- Planning zoning boundaries
- Geodetic survey information
- Land status information

Data available in GIH

- Building and address information
- Road and transportation facilities
- Utility post information
- Planning zoning boundaries
- Education institution information
- Population census data

Use of GIH in Lands Department

- Support land administration
- Support land boundary surveying
- Support topographic surveying
- Support map production
- Support air survey

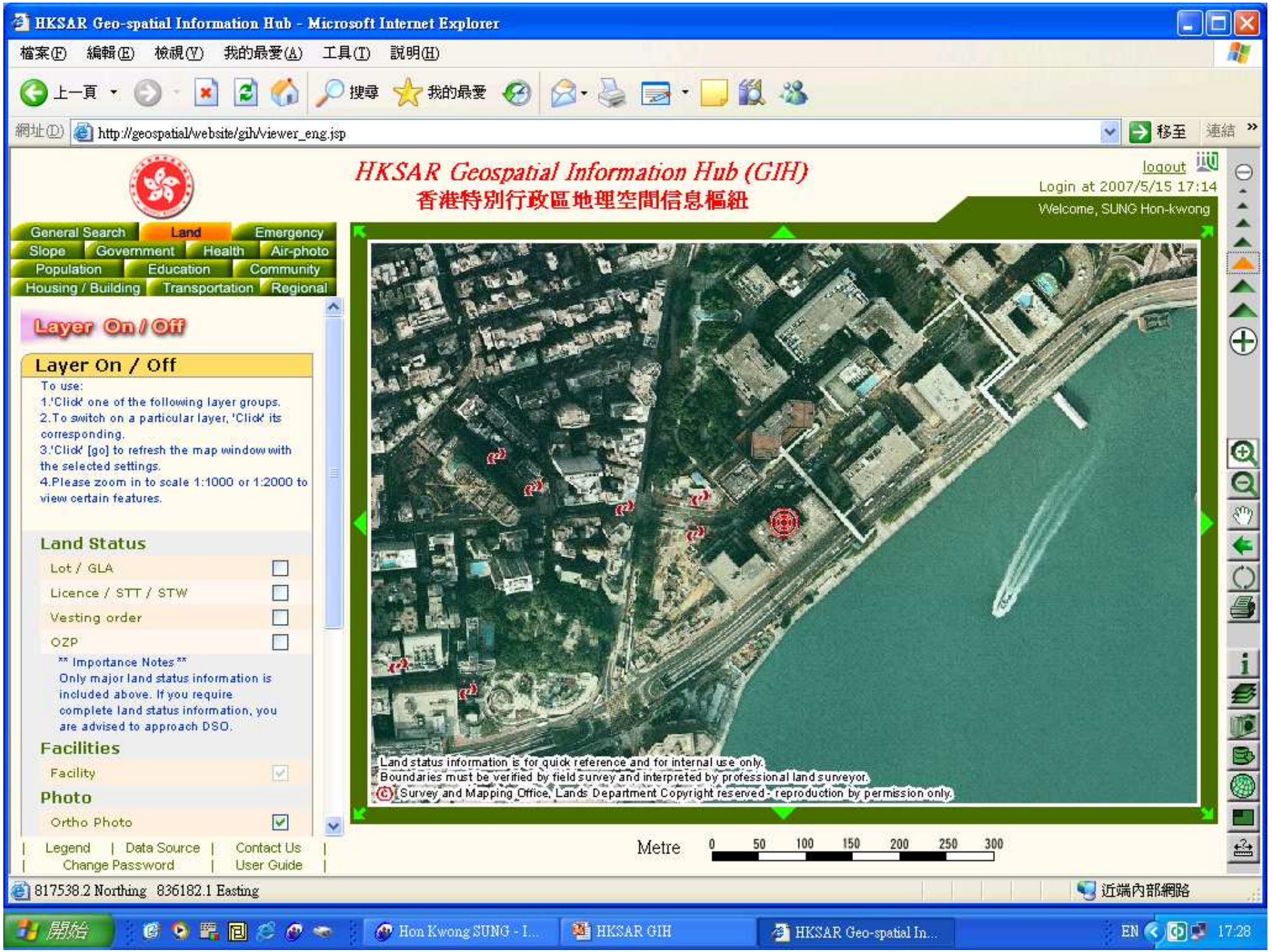
地政總署測繪處
Survey and Mapping Office
Lands Department

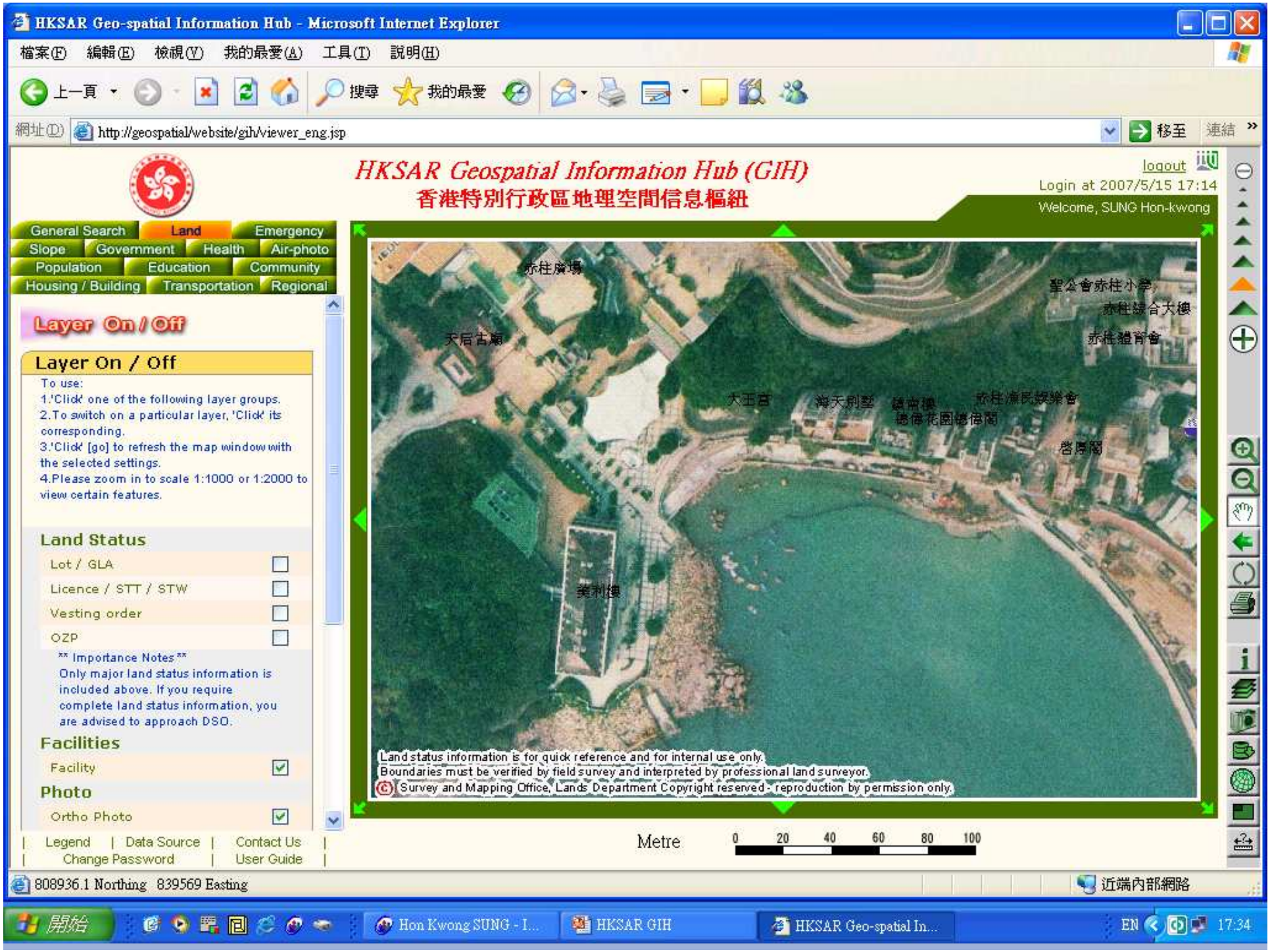
Use of GIH by Different Departments

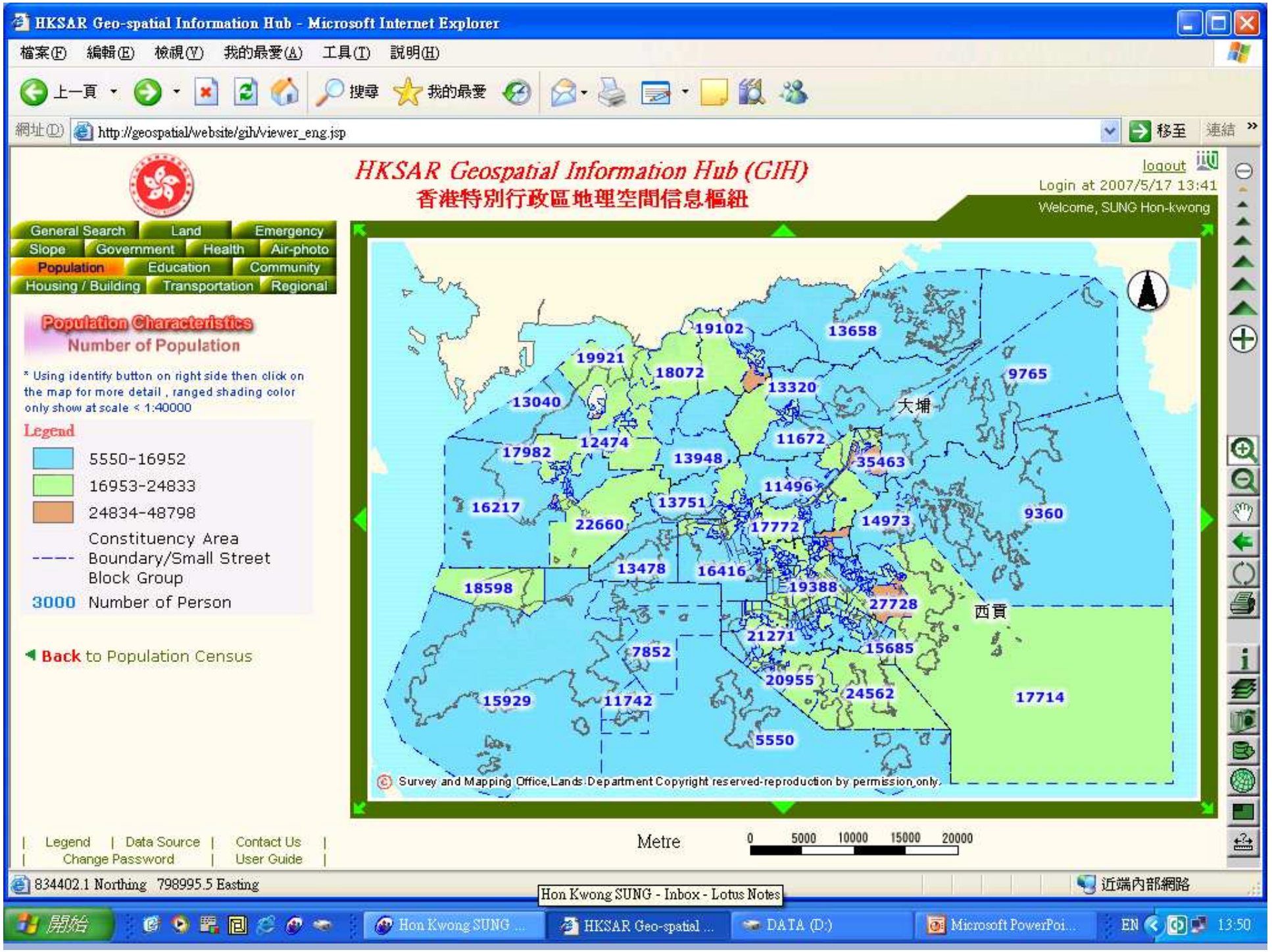
- Support control of dengue fever
- Support boundary delineation for election
- Support government property management
- Support engineering development
- Support town planning

HKSAR Geo-spatial Information Hub - Microsoft Internet Explorer
檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)
上一頁 搜尋 我的最愛
網址(D) http://geospatial/website/gih/viewer_eng.jsp
移至 連結
HKSAR Geospatial Information Hub
香港特別行政區地理空間信息樞紐
logout
Developed by SMO
測繪處研發
General Search
Land Information
Emergency
Slope
Government
Health
Air-photo
Population
Education
Community
Housing / Building
Transportation
Regional
Notice
Please note that the situation in Hong Kong is constantly changing. For the most up-to-date information, for mission-critical applications or for law enforcement, please consult relevant government departments and seek professional advice from subject matter experts. This hub is intended for quick reference only.
Instructions
1. To find a specific location, click the 'General Search' tab above.
2. To find a specific category of information, click other tabs above.
3. To Zoom in, 'click' a location on the map or 'drag' a small rectangle on the map.
NORTH
TAI PO
YUEN LONG
TUEN MUN
TSUEN WAN
SHATIN
KWAI TSING
SHAM SHUI PO
KWUN TONG
YAU TSIM MONG
SAI KUNG
CENTRAL & WESTERN
EASTERN
WAN CHAI
ISLANDS
SOUTHERN
© Survey and Mapping Office, Lands Department Copyright reserved-reproduction by permission only.
Metre
0 5000 10000 15000 20000
Legend | Disclaimer | Contact us | Change Password
800687.2 Northing 807424.5 Easting
近端內部網路
開始
HKSAR Geo-spatial In...
Jasc Paint Shop Pro
CH
19:04

HKSAR Geo-spatial Information Hub - Microsoft Internet Explorer
檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)
上一頁 搜尋 我的最愛
網址(D) http://geospatial/website/gih/viewer_eng.jsp
移至 連結
HKSAR Geospatial Information Hub (GIH)
香港特別行政區地理空間信息樞紐
logout
Login at 2007/5/15 17:14
Welcome, SUNG Hon-kwong
General Search
Land
Emergency
Slope
Government
Health
Air-photo
Population
Education
Community
Housing / Building
Transportation
Regional
Layer On / Off
Layer On / Off
To use:
1.'Click' one of the following layer groups.
2.To switch on a particular layer, 'Click' its corresponding.
3.'Click' [go] to refresh the map window with the selected settings.
4.Please zoom in to scale 1:1000 or 1:2000 to view certain features.
Land Status
Lot / GLA
Licence / STT / STW
Vesting order
OZP
** Importance Notes **
Only major land status information is included above. If you require complete land status information, you are advised to approach DSO.
Facilities
Facility
Photo
Ortho Photo
Legend | Data Source | Contact Us
Change Password | User Guide
赫德道
遊樂場
好時中心
KIL 10588
GLA-K 227 (SITE 4)
冠華中心
KIL 10587
KIL 10476
KIL 10477
尖沙咀中心
GLA-K 227 (SITE 6)
GLA-K 227 Ext
香格里拉酒店
KIL 10585
KIL 10586
GLA-K 275
尖沙咀東
GLA-K 227 (SITE 5)
WIP Apr
永安廣場
Land status information is for quick reference and for internal use only.
Boundaries must be verified by field survey and interpreted by professional land surveyor.
© Survey and Mapping Office, Lands Department Copyright reserved - reproduction by permission only.
Metre
0 20 40 60 80 100
817538.1 Northing 836297.2 Easting
近端內部網路
開始
Hon Kwong SUNG - I...
HKSAR GIH
HKSAR Geo-spatial In...
EN
17:22


HKSAR Geo-spatial Information Hub - Microsoft Internet Explorer
檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)
上一頁 搜尋 我的最愛
網址(D) http://geospatial/website/gih/viewer_eng.jsp
移至 連結
HKSAR Geospatial Information Hub (GIH)
香港特別行政區地理空間信息樞紐
logout
Login at 2007/5/15 17:14
Welcome, SUNG Hon-kwong
General Search
Land
Emergency
Slope
Government
Health
Air-photo
Population
Education
Community
Housing / Building
Transportation
Regional
Layer On / Off
Layer On / Off
To use:
1.'Click' one of the following layer groups.
2.To switch on a particular layer, 'Click' its corresponding.
3.'Click' [go] to refresh the map window with the selected settings.
4.Please zoom in to scale 1:1000 or 1:2000 to view certain features.
Land Status
Lot / GLA
Licence / STT / STW
Vesting order
OZP
** Importance Notes **
Only major land status information is included above. If you require complete land status information, you are advised to approach DSO.
Facilities
Facility
Photo
Ortho Photo
Land status information is for quick reference and for internal use only.
Boundaries must be verified by field survey and interpreted by professional land surveyor.
© Survey and Mapping Office, Lands Department Copyright reserved - reproduction by permission only.
Legend | Data Source | Contact Us
Change Password | User Guide
Metre
0 50 100 150 200 250 300
817538.2 Northing 836182.1 Easting
近端內部網路
開始
Hon Kwong SUNG - I...
HKSAR GIH
HKSAR Geo-spatial In...
EN
17:28


HKSAR Geo-spatial Information Hub - Microsoft Internet Explorer
檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)
上一頁 搜尋 我的最愛
網址(D) http://geospatial/website/gih/viewer_eng.jsp
移至 連結
HKSAR Geospatial Information Hub (GIH)
香港特別行政區地理空間信息樞紐
logout
Login at 2007/5/15 17:14
Welcome, SUNG Hon-kwong
General Search
Land
Emergency
Slope
Government
Health
Air-photo
Population
Education
Community
Housing / Building
Transportation
Regional
Layer On / Off
Layer On / Off
To use:
1.'Click' one of the following layer groups.
2.To switch on a particular layer, 'Click' its corresponding.
3.'Click' [go] to refresh the map window with the selected settings.
4.Please zoom in to scale 1:1000 or 1:2000 to view certain features.
Land Status
Lot / GLA
Licence / STT / STW
Vesting order
OZP
** Importance Notes **
Only major land status information is included above. If you require complete land status information, you are advised to approach DSO.
Facilities
Facility
Photo
Ortho Photo
赤柱廣場
天后古廟
聖公會赤柱小學
赤柱綜合大樓
赤柱體育會
大王宮
海天別墅
赤柱漁民娛樂會
啓厚閣
美利樓
Land status information is for quick reference and for internal use only.
Boundaries must be verified by field survey and interpreted by professional land surveyor.
Survey and Mapping Office, Lands Department Copyright reserved - reproduction by permission only.
Metre
0 20 40 60 80 100
Legend | Data Source | Contact Us
Change Password | User Guide
808936.1 Northing 839569 Easting
近端內部網路
開始
Hon Kwong SUNG - I...
HKSAR GIH
HKSAR Geo-spatial In...
EN
17:34


HKSAR Geo-spatial Information Hub - Microsoft Internet Explorer
檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)
上一頁 搜尋 我的最愛
網址(D) http://geospatial/website/gih/viewer_eng.jsp
移至 連結
HKSAR Geospatial Information Hub (GIH)
香港特別行政區地理空間信息樞紐
logout
Login at 2007/5/17 13:41
Welcome, SUNG Hon-kwong
General Search
Land
Emergency
Slope
Government
Health
Air-photo
Population
Education
Community
Housing / Building
Transportation
Regional
Population Characteristics
Number of Population
* Using identify button on right side then click on the map for more detail , ranged shading color only show at scale < 1:40000
Legend
5550-16952
16953-24833
24834-48798
Constituency Area Boundary/Small Street Block Group
3000 Number of Person
Back to Population Census
19102
13658
19921
18072
9765
13320
13040
大埔
12474
11672
17982
13948
35463
11496
16217
13751
9360
22660
17772
14973
13478
16416
18598
19388
27728
西貢
21271
7852
15685
20955
15929
11742
24562
17714
5550
© Survey and Mapping Office, Lands Department Copyright reserved-reproduction by permission only.
Legend | Data Source | Contact Us
Change Password | User Guide
Metre
0 5000 10000 15000 20000
834402.1 Northing 798995.5 Easting
近端內部網路
Hon Kwong SUNG - Inbox - Lotus Notes
開始
Hon Kwong SUNG ...
HKSAR Geo-spatial ...
DATA (D:)
Microsoft PowerPoi...
EN
13:50

HKSAR Geo-spatial Information Hub - Microsoft Internet Explorer

檔案(F) 編輯(E) 檢視(V) 我的最愛(A) 工具(T) 說明(H)

上一頁 搜尋 我的最愛

網址(D) http://geospatial/website/gih/viewer_eng.jsp 移至 連結

HKSAR Geospatial Information Hub (GIH)
香港特別行政區地理空間信息樞紐

logout
Login at 2007/5/17 13:41
Welcome, SUNG Hon-kwong

General Search | Land | Emergency
Slope | Government | Health | Air-photo
Population | Education | Community
Housing / Building | Transportation | Regional

Old and Valuable Tree

Reg No:	LCSD CW/109
Survey Date:	2004-05-03

Legend | Data Source | Contact Us
Change Password | User Guide

Metre 0 10 20 30 40 50

815276 Northing 834584.9 Easting

近端內部網路

開始 | Hon Kwong SUNG ... | HKSAR Geo-spatial ... | DATA (D:) | Microsoft PowerPoi... | EN | 13:54

GIH Benefits

- Information right at fingertips – convenient access
- Reduce response time/turnaround time
- Reduce duplication of effort in data integration
- Improve information transparency
- Facilitate crisis management
- More efficient and better public service

The Way Forward

- To assist in instilling a data sharing culture within Government
- To provide a platform for visualizing the benefits of mutual data sharing
- To provide a platform for efficient access of geospatial information
- To provide the service to more users in the Government
- To enrich the data and functions in GIH

Thank You

地政總署測繪處
Survey and Mapping Office
Lands Department