HKSAR Geospatial Information Hub (GIH)
- A common geospatial information platform and spatial data portal

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Problems in Geospatial Data Application

- Different data definitions and formats - incompatible
- Data reside in different computer systems - not readily accessible
- Data processing - labour intensive and time consuming

Situations

- Information islands
- Duplication of effort
- Duplication in investment

What to do?

- Towards a Join-up Government
  - With most government services available in digital form or online "separately", the next step in increasing service levels is to transform and integrate government processes, systems and data – so as to achieve a seamless, citizen-centric government.
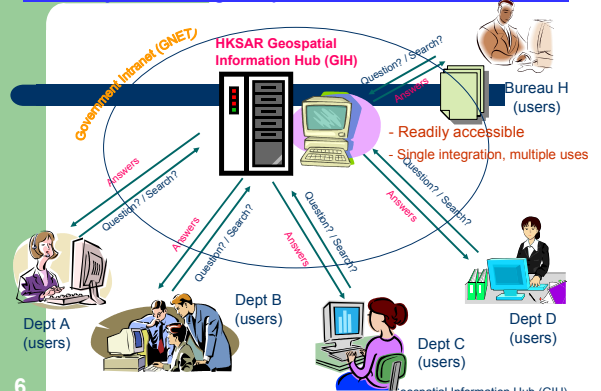

Objectives

- Enable access to information on demand rather than through channeling layers and pulling information from individual data silos
- Design a "sharing" model that allows knowledge workers to quickly obtain geographic information and to make informed decisions

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A New Way of Accessing Geospatial Information in the Government

Actions

- Design and establish a "Geospatial Information Hub" in Hong Kong
  - for better geospatial data sharing
  - for improved geospatial data access
  - for geospatial data integration
  - for mutual benefits of all government departments and the public

Geospatial Information Hub (GIH)

Current Status

- Integrates data from different sources (more than 10 departments)
- Extended to a service-wide solution in the Hong Kong SAR government
- Users from 50+ bureaux and departments

Geospatial Information Hub (GIH)

Major Types of Data

Type of Geospatial Data	Number of Features in GIH
Building Polygons	> 190,000
Lots (Land Parcel)	> 340,000
Roads/Streets	> 4,000
Aerial Photographs	> 190,000
Old and Valuable Trees	> 500
Historical Buildings or Monuments	> 1,000
Recreational and Sport Facilities	> 4,000
Educational Institutions	> 3,000
Community Facilities	> 10,000
Transportation-related Facilities	> 5,000

Geospatial Information Hub (GIH)

Benefits

- Ready access to "**integrated**" data
- Simple and easy to use, no extra cost and development effort at user-end
- Reduce the total cost of ownership, maximize return on scattered geospatial information available in the government
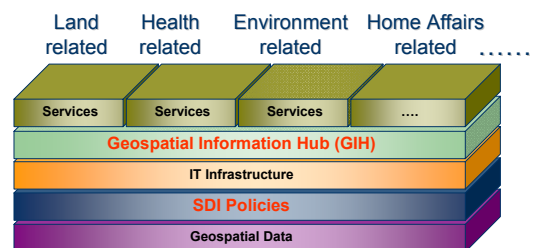
Geospatial Information Hub (GIH)

Benefits

- Better information to support better decision
- Facilitate crisis management
- Support policy research and formulation
- More efficient and better service to the public

Geospatial Information Hub (GIH)

Building Blocks

Land related | Health related | Environment related | Home Affairs related | ......

Services | Services | Services | ....

Geospatial Information Hub (GIH)

IT Infrastructure

SDI Policies

Geospatial Data

Geospatial Information Hub (GIH)

Demo

Thank You