



Establishment of Spatial Data Office

The Spatial Data Office (SDO) was established in May 2019 serves as the executive arm of the Common Spatial Data Steering Committee¹. SDO is responsible for overseeing the building and management of the Common Spatial Data Infrastructure (CSDI) portal, identifying and prioritising spatial data to support the phased development of CSDI, and monitoring the execution of capacity building, outreach and partnership initiatives. The objectives of SDO can be found in the CSDI website under “[About Us](#)”.

Establishment of Common Spatial Data Advisory Committee

The Common Spatial Data Advisory Committee (CSDAC) was formed on 1 October 2020. The CSDAC advises the Government on how best to develop the CSDI as a one-stop platform with a wide range of standardised spatial data that will make data sharing easier as well as more accessible and effective when it is in full operation by the end of 2022.

Chaired by the Director of Lands, Mr Andrew Lai, the CSDAC comprises representatives

¹ The Common Spatial Data Steering Committee is mainly to steer and oversee, with the support of SDO and Government bureaux / departments, the development and establishment of CSDI as a government-wide and territory-wide framework

from various Government bureaux / departments as well as 24 non-official members from relevant sectors, including the construction industry, geospatial and IT related groups, academics, social/community services, public utilities and transport operators. The members are appointed for a term of three years from October 1 2020 to 30 September 2023. The information about the CSDAC can be found in the website of Development Bureau under the topic of “Boards and Committees” or CSDI website under “Committee”. You may click [here](#) to reach the page direct.



for spatial data management within a target time frame; and to steer the policy formulation and developments related to spatial data generation, collation, management and sharing in relation to CSDI, etc.



Common Spatial Data Infrastructure

CSDI and three-dimensional (3D) digital map are the key components underpinning our smart city development.

CSDI Portal – data-driven platform

Hong Kong GeoData Store (geodata.gov.hk), the alpha version of the CSDI portal, was launched by the Lands Department in December 2018.

The CSDI portal is a data-driven platform. It is a scalable and secured common sharing platform for exchange of quality and up-to-date spatial data and services in a readily accessible and convenient manner. It operates much more than a one-stop data “supermarket” where Government bureaux / departments and the public can come and visit, not only to search and view a wide range of spatial data but also to download the data and consume the readily available map services as raw material in innovative uses through value-added products.

As at now, we are planning to release at least 320 datasets with details including the names of datasets, data owners, categories of data, general description and frequency of update, including Framework Spatial Data Theme and Common Sharable Spatial Data covering different Government bureaux / departments both within and outside the regime of the Development Bureau by the end of 2022 to the public.

Out of about 320 datasets, there are about 120 datasets contributed by departments under Development Bureau, mainly covered geography and development, government and public administration, land information, transportation, and utilities related datasets. The remaining datasets are from Government bureaux / departments outside the Development Bureau’s regime, mainly covering community and social welfare, education, environment, health, population census / by-census, recreation and culture, sports, and technology related datasets.

All the spatial datasets to be released on the CSDI portal will be in compliance with the following 5 CSDI standards, with an aim to ensure reliability, accessibility and interoperability of spatial data:

- i. geo-tagging of non-spatial data;
- ii. documentation of data specifications;
- iii. documentation of metadata;
- iv. establishment of Application Programming Interface; and
- v. conversion of spatial data to an open and machine-readable format.

3D Digital Map

Another component of CSDI is a more detailed, realistic and true 3D digital map to facilitate the opening up and sharing of government data with geospatial dimension. To meet the increasing needs of 3D applications and better understanding of multi-level spaces of a modern city like Hong Kong, the existing 2D



digital map will be further developed and upgraded into a full-fledged 3D digital map as the basemap and container for CSDI covering the entire territory by end 2023. The 3D digital map will also be extended to cover the accessible interior of buildings and structures for supporting indoor-based locational and navigation applications by end 2023.



Quick-win Projects

With an aim to facilitate the public and private sectors realising early the benefits of using spatial data for various innovative applications and secure their buy-in and participation in the CSDI portal, four quick-win projects will also be launched by end 2021 for use within and/or outside Government, including Map Application Programming Interface (Map API), Geo-tagging Tool, Address Data Infrastructure (GeoAddress) and District-based Spatial Information Dashboard.

Three Map API Services Officially Launched

The Map API is a web mapping service for the public and private sectors to support their web applications that require map display. It enables the community to build innovative applications enriching with locational and other features such

as virtual city navigation. In December 2020, the Topographic Map API, Imagery Map API as well as Map Label API were officially launched, which includes the enhancements on the numbers of map requests and zoom levels access. Since these three Map API services were soft-launched in October 2019, they have been well received by the public.



A short video clip on the Map API is available at the CSDI website (<https://csdi.gov.hk/useful-resources/-in-category/categories/video>). The Map API services are available to members of the public free of charge on the Public Sector Information (PSI) Portal (data.gov.hk) and the Hong Kong GeoData Store (geodata.gov.hk).

Geospatial Lab (GeoLab)

Development Bureau plans to establish the first GeoLab in mid-2021, with an aim to nurture a geospatial community so as to encourage the younger generation and start-ups to harness the use of spatial data to improve daily convenience and promote business opportunities. Stay tuned for more information.

