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OVERALL UPDATE OF CSDI

New Look of CSDI website

We have a new refreshed look with dazzling day and night view of iconic Victoria Harbour as our landing page of CSDI website.   The design attempted to build a virtual model designed to reflect the physical object which origins from "digital twin". We look forward to having more and more spatial data bridging the physical city and the virtual one blended with technologies like Internet of Things (IoT), big data, contributing in the smart city development.

CSDI Portal

In May 2022, the CSDI portal has been launched for government departments' trail use and it is targeted to launch the CSDI portal for the public by end 2022. Before the launch of CSDI portal, users can explore through the Hong Kong GeoData Store, which is the alpha version of the CSDI portal. It includes different geospatial datasets provided by various government departments, with map interface for users to browse and understand geospatial datasets.

Annual Spatial Data Plan

Government departments published the first set of Annual Spatial Data Plans (ASDP) on their departmental websites at the end of last year.   The ASDP has set out the datasets which will be released on the CSDI portal in the coming three years (i.e. 2022 to 2024).

The consolidated list of new datasets planned to be open up on the CSDI portal according to ASDP of departments has also been published on the Hong Kong GeoData Store (https://geodata.gov.hk/gs/spatial-data-plan).   By the end of 2022, over 500 spatial datasets from different departments, covering different aspects such as planning, lands, buildings, works, population and transport, etc. will be released on the CSDI portal.

NEWSLETTER

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THEMATIC TOPIC

Map Application Programming Interface (Map API)

With a view to promoting convenient and free of charge use of spatial data and as one of the quick-wins of the CSDI initiative, the Survey and Mapping Office (SMO) of the Lands Department (LandsD) has launched the Map related API to the public since December 2020, namely Topographic Map API, Imagery Map API and Map Label API. The Map API enables the public to access LandsD's digital map online via API protocol. With this service, different users like academics, public organizations and private sectors can embed the LandsD's maps and the spatial functions into their own web applications to enjoy free and most up-to-date map while they only need to focus on the presentation and application specific to their own business. This could largely reduce the time and effort in building and maintaining their map backdrop and hence meeting the goal of CSDI for boosting the popularity and usage of spatial data in Hong Kong. A video about Map API can be found at the following link:
https://video-smo.geodata.gov.hk/AVideo/video/92/map-api?channelName=SLSIT.

Other than the abovementioned three Map APIs, SMO keeps rolling out new API services to the public. Some are introduced below:

Vector Map API

Vector Map API is a XYZ Vector Topographic Map Tile Service which enables application developers to retrieve vector topographic map tiles. With the Vector Map, the map presentation can be further customized by the developer using the Map Presentation Style file.

Vector Map Label API

Vector Map Label API is a XYZ Vector Map Tile Service which enables application developers to retrieve vector map tiles with place name labels for overlaying onto the vector map.

Lot Index API

Lot Index API is a map feature service which enables developers to retrieve private lots, Government Land Allocations (GLAs) and Short-Term Tenancies (STTs) in GML format.

There are also some other API services available on the Hong Kong GeoData Store. Kindly visit the link below and explore.
https://geodata.gov.hk/gs/.

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Latest activities of Geospatial Lab

With a view to promoting the deeper knowledge and applications of spatial data, different engagement activities are continuously organized by the Geospatial Lab (GeoLab). Despite the 5th wave of COVID 19, GeoLab explored more promotion via online and organized various webinars, professional talk such as "Application of BIM/GIS Integration", "The Application of Digital Maps" and "Introduction to Artificial Intelligence (AI) and Machine Learning for Smart City Development".

GeoLab organized the 2022 Open GIS Competition from Jan 2022, which is a competition for primary, secondary students and the public to submit their works by creating a map-centric web application that chains up information, multimedia contents, and narratives about an event or phenomenon in Hong Kong. In January and February 2022, two "Briefing Sessions of 2022 Open GIS Competition (online mode)" were organized for the interested students / teachers / parties. GeoLab also offered consultation sessions upon requests from interested participants allowing them to raise questions and exchange ideas. By the submission deadline in June 2022, there were about 40 entries. The presentation day & prize giving ceremony will be held on 30 July.

In addition, in April, GeoLab held a STEM Parent-child Workshop "Create an Interactive Web Mapping Application" (online mode) targeted for Primary 4 to 6 students, parents and teachers to introduce spatial data and its application. Through using an interactive web map to create a local tour, it further stimulated students' creativity and develop their mapping skills. Another activity with three modules targeted secondary school students called "2022 Summer GIS × STEM Workshop" (online mode) was also held by GeoLab from mid to end April. It was a fun and challenging workshop for students to build their own story maps by collecting, visualising, analyzing and sharing spatial data.

In late June, collaborated with Centre of Urban Studies and Urban Planning (CUSUP), the University of Hong Kong, "Explorations in the Applications of Urban Analytics in Urban Planning and Design" was held as a webinar with hybrid format. It presented seven examples of applications of urban analytics in urban planning and design to the audience.

Looking into future, given the pandemic becomes calmer, more geospatial related activities both in the physical lab and online, including talks, seminars,

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workshops, competitions, will be arranged to further promote the importance of geospatial data in our daily lives. In the forthcoming months, there will be talks/ workshops on "GIS in public health management and practice" under the theme of environment and health.

Please visit
https://csdigeolab.gov.hk/en/ for GeoLab's news update and details of events.