



空間數據共享平台
Common Spatial
Data Infrastructure

地理空間實驗室
Geospatial Lab

空間數據共享平台大獎 2024-空間數據，開拓未來 簡介會即將開始

CSDI Awards 2024- Present Spatial Data, Map our Future
Briefing Session is about to start

空間數據共享平台大獎 2024

CSDI Awards 2024

空間數據 · 開拓未來

Present Spatial Data, Map our Future



目錄

- 介紹空間數據共享平台
- 空間數據共享平台大獎2023活動花絮
- 比賽規則
 - 1.比賽總覽
 - 2.比賽流程及時間表
 - 3.作品呈交須知
 - 4.參賽作品範例
- 地理空間實驗室的比賽資源及服務
- 問答環節
- 查詢

Agenda

- Introduction of CSDI
- CSDI Awards 2023 Event Highlights
- Competition Rules
 - 1.Overview
 - 2.Timeline
 - 3.Submission Requirements
 - 4.Exemplary Submission
- Resources and services for the Awards at Geospatial Lab
- Q&A
- Enquiries

介紹空間數據共享平台

Introduction of CSDI

More information about CSDI can be found at the following links below:

CSDI: <https://www.csd.gov.hk/>

CSDI portal: <https://portal.csd.gov.hk/csd-webpage/>

Geospatial Lab: <https://csdigeolab.gov.hk>

更多關於空間數據共享平台的資料可參考以下網址:

- 空間數據共享平台: <https://www.csd.gov.hk/>
- 空間數據共享平台入門網站: <https://portal.csd.gov.hk/csd-webpage/>
- 地理空間實驗室: <https://csdigeolab.gov.hk>

比賽規則

Competition Rules

比賽總覽

比賽目的

- 推廣空間數據共享平台及提升學生及大眾對空間數據的興趣
- 鼓勵學生及社會大眾靈活運用空間數據應對城市當前和未來面臨的挑戰

Overview

Objectives

- To promote CSDI and to raise the students' and public's interest in spatial data
- To encourage students and the public to creatively use spatial data to address challenges we faced in the city

比賽總覽

本年度的比賽主題

- 「空間數據，開拓未來」
- 利用當前空間數據來塑造和造福我們城市的未來的重要性
- 涵蓋香港各個方面：從城市規劃到醫療保健、交通等等
- 通過空間分析和可視化來探索空間數據，以解決複雜的問題及建設更美好的未來

Overview

Theme of This Year

- "Present Spatial Data, Map our Future"
- The power and significance of spatial data in shaping our future
- Insights into various aspects of Hong Kong, from urban planning to healthcare, transportation and beyond
- Exploring spatial data by spatial analyses and visualization to address complex issues and pave the way for a better tomorrow

比賽總覽

為何要參加比賽？

透過參加是次比賽，你可以：

- 向專業導師學習並得到啟發
- 接觸最新的市場發展
- 發展空間數據及其相關應用工具的技能
- 獲取獎項和無價的經驗
- 得到啟發，在學界和職場路上做好準備
- 與志同道合的人建立聯繫，並從他們的經驗中學習
- 與專業導師建立聯繫，得到寶貴的意見及資源，將您的想法轉化成應用程式原型

Overview

Why Should I Participate?

As a contestant, you can:

- Gain knowledge and inspiration from mentors
- Stay in touch with the latest developments in the market
- Develop your technical knowledge in spatial data and related tools
- Earn valuable rewards and priceless experience
- Find inspiration to shape your academic and career paths
- Network with like-minded people and learn from their experiences
- Cultivating the connections with key industry leaders or organisations who may serve as mentors or offer valuable resources in transforming your idea into a prototype

比賽總覽

參賽資格

- 組別 4: 公開組 (公眾及大專學生)
- 參賽者可以個人或小組 (2至6人) 形式參加
- 每位參賽者只能參加一個小組

Overview

Entry Requirements

- **Category 4: Open Category (Individuals from the public and tertiary students)**
- **The competition is open to both individuals and teams. Number of team members should be from 2 to 6.**
- **Each contestant can only participate in one team.**

比賽總覽

獎項及獎品

- 每個組別設有金、銀、銅、優異獎和其他獎項
- 組別 2 , 3 及 4 的決賽入圍者有機會到上海交流
- 組別 4 的決賽入圍者有機會與業界交流，展示自己的作品
- 參與獎狀
- 媒體報導

Overview

Award and Prize

- **Gold, Silver, Bronze, Merits, and other prizes will be awarded for each category**
- **Exchange opportunities in Shanghai will be catered to the finalists of Category 2 , 3 and 4**
- **Mentorship support and opportunities to showcase your work to the industry will also be catered to the finalists of Category 4**
- **Certificate of participation**
- **Media coverage**

比賽流程及時間表

Timeline

比賽流程及時間表 Timeline

報名期 Enrolment Period



第一階段 Phase 1



第二階段(決賽階段) Phase 2 (Finalist Stage)



數據工作坊

組別4 數據工作坊：

本工作坊提供實用的培訓，教授使用空間數據共享平台入門網站中的空間數據創建互動式3D網絡地圖的方法。參與者將學習從數據導入到進行3D視覺影響分析的過程。此外，還將提供進一步的指導，通過無程式碼地理空間網站製作工具，有效地呈現結果。本工作坊非常適合那些希望在3D互動地圖環境中提升技能並通過網絡應用程式呈現和分享結果的人士。

Data Workshop

Category 4 Data Workshop:

This workshop provides practical training on creating interactive 3D web maps using spatial data from the CSDI portal. Participants will learn the process from data import to conducting 3D visual impact analyses. Further instruction will be given on presenting results effectively through a no-code geospatial web builder. This workshop is perfect for those looking to enhance their skills in 3D interactive map environment and present, share their results through a web application.

數據工作坊

Data Workshop

組別4 – 公開組 (公眾及大專學生)

Category 4 – Open Category (Individuals from the public and tertiary students)

地點： Venue:	地理空間實驗室 (九龍觀塘觀塘道388號 創紀之城1期 1座9樓915-918室) Geospatial Lab (Units 915-918, 9/F, Tower 1, Millennium City 1, 388 Kwun Tong Road, Kwun Tong, Kowloon)
日期及時間： Date & Time:	2024年3月23日，11:45-13:45 23 March 2024, 11:45-13:45
語言： Language:	廣東話 Cantonese

數據洞察培訓 及匯報工作坊

Data Insight Training and Presentation Workshop

地點：
Venue:

南豐紗廠 The Mills
荃灣白田壩街45號/ 45 Pak Tin Par St, Tsuen Wan

日期及時間：
Date & Time:

2024年4月27日，10:00-17:00
27 April 2024, 10:00-17:00

語言：
Language:

廣東話 輔以英語
Cantonese supplemented by English

為參賽團隊提供

- 使用數據的機會
- 幫助他們透過現場考察獲得實用的見解
- 觀察和分析現實環境中的數據的第一手經驗
- 特定時間供參賽團隊磋商以制定比賽建議書

Offers contestant teams

- Chance to work with data
- Chance to gain practical insights through site visits
- First-hand experience to observe and analyse data in real-world settings
- Dedicated time and consultation to help developing their competition proposals



首席導師 - 車品覺教授, JP

車品覺教授現任香港科學園董事，擁有十多年豐富的數字化轉型實戰經驗，並在實踐中形成了獨特的數據化思考及管理方式。他成功發起了公共與數據資產管理體系，還發佈了數據安全規範等。

Chief Mentor - Prof Herbert Chia, JP

Prof Herbert Chia currently serves as a Board of Director of Hong Kong Science and Technology Parks Corporation. With over 10 years of experience in data strategy and analytics, he has formed his own unique way of data-thinking and data-management, and has original insights in the future of big data. Herbert has successfully launching the public and proprietary Data Asset Management systems, and releasing the Data Protection Pact and so on.

作品要求

Submission Requirements

作品要求

Submission Requirements

	組別 4: 公開組 (公眾及大專學生) Category 4: Open Category (Individuals from the public and tertiary students)
作品目標 Project objective	<p>提交一個以地圖為中心的應用程式原型，允許使用者輸入數據或與應用程式原型進行互動，然後通過一系列程式輸出結果，以滿足使用者的需求或解決問題。</p> <p>Submit a map-centric prototype that allows users to input data or interact with it, which then undergoes different processes to generate the desired output, addressing the user's needs or solving a problem.</p>
第一階段 Phase 1	<ul style="list-style-type: none">• 提交一份以地理空間應用程式為前題的建議書 Submit a proposal for developing a digital geospatial application• 1分鐘介紹呈交作品的影片 A 1-minute video clip introducing the proposed application
第二階段(作品開發) Phase 2 (Development of Deliverable)	<ul style="list-style-type: none">• 展示他們提出的應用項目的可行性，並將其轉化為一個應用程式原型，於匯報日向評審進行匯報 Demonstrate the feasibility of their proposed application by developing a prototype, and present to the judges on the Presentation Day• 匯報資料 (不超過 10 頁，頁數限制不包括附錄或參考文獻) A slide deck (Not exceeding 10 pages in length, excluding appendix and references)

第一階段作品要求

建議書的頁數上限為10頁（頁數限制不包括附錄或參考文獻），並須以PowerPoint或其他簡報形式提交，當中應以中文或英文詳細說明下列內容：

- 團隊簡介
- 應用程式應對的主要挑戰
- 針對挑戰的解決方案（例如：流動應用程式、網絡應用程式、程式等）
- 方案的受惠者
- 主要所採用的空間數據
- 適當地運用空間數據共享平台入門網站的空間數據
- 應用空間數據的方式
- 主要採用的技術或工具（例如：地理信息系統、物聯網、虛擬實境等）
- 預計方案會帶來的好處

Phase 1 Submission Requirements

A presentation deck prepared using slideshows of no more than 10 pages (excluding appendix and references), detailing the following in either English or Chinese:

- Team profile
- Key challenge(s) to be addressed
- Proposed solution that addresses the challenge(s) (e.g., mobile application, web application, programme etc.)
- Beneficiaries of the solution
- Key spatial data to be used
- Spatial data available at the CSDI portal should be used where appropriate
- Explanation of how spatial data will be used
- Key technology / tools to be adopted (e.g., GIS, IoT, VR or others)
- Expected benefits of the solution

入圍準則

所有建議書均以下列準則作篩選，並選出8份建議書晉級第二階段。

準則	描述
內容 (30%)	<ul style="list-style-type: none">與主題配合度和相關性清晰、完整地描述待解決的問題運用適合的空間分析技巧於分析所識別的問題時，表現出色的邏輯性思維
空間數據及科技 / 工具的應用 (30%)	<ul style="list-style-type: none">為地圖上觀察到的分布形態提供詳細的解釋應用空間技術（例如地理信息系統、建築資訊模型、三維技術、虛擬實境、擴增實境或物聯網）及空間數據解決與城市相關的議題於分析所識別的挑戰時，使用空間數據作論據
意念及創意 (30%)	<ul style="list-style-type: none">清晰指出需要解決的社會需求 / 未達到的政策目標 / 改善空間展示新穎和創意的思維作品的原創性或展示其靈感是來自其他引用文獻
額外分數 (10%)	<ul style="list-style-type: none">是否有引用其他研究作論據？整體故事線？未來的發展性？

Shortlisting Criteria

All proposal submission will be reviewed using the following criteria. Eight proposal submissions will be shortlisted for the second phase.

Content	Description
Content (30%)	<ul style="list-style-type: none">Alignment with and relevance to the themeClarity and completeness on the issues to be addressedApplication of any suitable spatial measure and analysesDemonstration of the excellent grasp of logic thinking when analysing identified issues
Use of spatial data and technology / tools (30%)	<ul style="list-style-type: none">Provision of detailed explanations of the observed distribution pattern as shown on the mapsExploitation of geospatial technology (e.g., GIS, BIM, 3D, VR, AR, IoT) on spatial data to address issues related to the themeUse of spatial data to support the identification of challenge(s)
Idea and creativity (30%)	<ul style="list-style-type: none">Identification of unmet demand / unserved policy purposes / new improvement opportunitiesDemonstration of novel and creative ideasOriginality of the work or demonstration of inspiration from other cited resources
Bonus points (10%)	<ul style="list-style-type: none">Citation of other research as evidence?Overall storyline?Description of future scalability

第二階段作品要求

- 以附件形式提交你的匯報資料（電子郵件大小限制為 100 MB，長度不超過 10 頁）
- 作品的功能、用途、所應用的空間數據及科技工具（例如：地理信息系統、物聯網、虛擬實境等）需與建議書一致。
- 參賽者可以選擇使用中文或英文完成作品
- 作品提交後，不得更改或更新
- 應用程式原型應在決賽和頒獎典禮上展示
- 如有任何爭議，地理空間實驗室保留最終決定權

Phase 2 Submission Requirements

- Please attach your presentation materials when submitting them via email. Please note that the maximum email size allowed is 100 MB, and the presentation should not exceed 10 pages in length
- A deliverable whose functions and application of spatial data and technology tools (e.g., GIS, IoT, VR or others) are consistent with the proposal
- Contestants can choose to complete their work in Chinese or English
- NO changes or corrections are allowed after the submission of work
- The prototype should be presented in the final presentation and the awards ceremony
- In case of disputes, the decisions of the Geospatial Lab shall be final

評審準則

準則	描述
開發過程 (20%)	<ul style="list-style-type: none">• 執行建議書內容的能力• 將概念轉化為功能• 將用戶需求納入於功能中• 為定制功能、目的和用戶需求所做的工作
功能性 (20%)	<ul style="list-style-type: none">• 展示使用空間數據的能力• 執行比賽所需的工作或分析的能力• 解決於建議書中提出的關鍵挑戰 / 痛點的能力• 展示應用科技工具 / 方案的方式• 展示可發展至概念驗證(proof of concept)的潛質，凸顯其在生活中的應用性和可塑性
最終匯報 (20%)	<ul style="list-style-type: none">• 為作品進行詳細講述• 於匯報 / 示範過程中展示創意• 清晰講述作品的發展緣由• 解釋作品為目標使用者所帶來的益處• 解釋作品的發展性及可持續性
市場潛力/公眾接受度 (20%)	<ul style="list-style-type: none">• 效益和影響• 社會市場影響• 對使用者的好處
整體表現 (20%)	<ul style="list-style-type: none">• 可靠性與穩定性• 用戶友善的介面• 執行解決方案的完整性和能力

Judging Criteria

Content	Description
Development process (20%)	<ul style="list-style-type: none">• Ability in bringing proposal to reality• Elaboration of ideas into functions• Ability to translate user requirements into functions• Additional work performed in defining the functions, purposes and user requirements
Functionality with relevant use of spatial data (20%)	<ul style="list-style-type: none">• Ability to demonstrate the use of spatial data• Ability to perform the required tasks or analysis• Ability to address the key challenges / pain points identified in the proposal• Demonstration of how technology tools / solutions are adopted• Demonstration of potentials to become a POC (proof of concept) to prove its applicability and adaptability in real life application
Final presentation (20%)	<ul style="list-style-type: none">• Use of highly attractive graphs, photos, figures and maps• Ability to present a compelling case for the deliverable• Creativity in presentation / demonstration• Demonstration of clear storyline• Explanation of the benefits and impact of the deliverable to the target users• Explanation of the scalability and long-term sustainability of the deliverable
Market potential / Public acceptance (20%)	<ul style="list-style-type: none">• Benefits and impacts• Social market impact• Benefits to users
Quality (20%)	<ul style="list-style-type: none">• Reliability and stability• User-friendly interface• Completeness and ability to execute the solution

參賽作品範例

Exemplary Submissions

組別4 – 公開組 (公眾及大專學生)

Category 4 – Open Category (Individuals from the public and tertiary students)

https://csdigeolab.gov.hk/images/CSDI_Awards_2023/Cat_4_Work_Brief/UrbanEYE_-_Short_Brief.pdf



How **GeoAI-based** and
Data-Driven Planning
Drive the **Urban Renewal**
Towards Success in **ESG**

Case Study in Ma Tau Kok

NG CHUN HIN | ISSAC

組別4 – 公開組 (公眾及大專學生)

Category 4 – Open Category (Individuals from the public and tertiary students)

<https://www.hygieneblackspots.gov.hk/hygiene-black-spots/page/districts>



政府打擊衛生黑點計劃

Government Programme on Tackling Hygiene Black Spots (Chinese only)

地理空間實驗室 Geospatial Lab



Member Registration



f Geospatial Lab



@ geospatial_lab_hk

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