



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2025

CSDI AWARDS 2025

共創

北部空間

共享

都會數據

CO-CREATION

x

NORTHERN METROPOLIS

x

SPATIAL DATA

簡介會

Briefing Session

目錄

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- 作品呈交須知
- 參賽作品範例
- 比賽資源及服務
- 北部都會區主題分享
- 問答環節

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空間數據共享平台入門網站簡介

Introduction to the CSDI portal



More information can be found at the following links below:

- CSDI: <https://www.csdi.gov.hk/>
- CSDI portal: <https://portal.csdi.gov.hk/csdi-webpage/>
- Geospatial Lab: <https://csdigeolab.gov.hk>

更多相關資料可參考以下網址:

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



比賽規則

Competition Rules

比賽目的

- 鼓勵學生及社會大眾運用空間數據，探索如何為北部都會區的發展提出創新建議
- 發掘空間數據在城市發展中的重要角色，以共同建設一個更智慧、更宜居的香港

Objectives

- To encourage students and the public to utilise spatial data to explore innovative proposals for the development of the Northern Metropolis
- To discover the crucial role of spatial data in urban development, working together to build a smarter and more liveable Hong Kong

本年度的比賽主題

Theme of This Year

- 共創北部空間
共享都會數據
- 參賽者可以從環境、交通運輸、經濟、城市規劃及社區發展等多個領域，探索在北部都會區應用空間數據的不同可能性，並提出創意建議，以促進可持續發展和社會福祉。以下是建議的探索方向，參賽者亦可自訂其他相關的研究主題。
- "Co-creation X Northern Metropolis X Spatial Data"
- Participants can explore various possibilities for applying spatial data in the Northern Metropolis across multiple domains, including environment, transportation, economy, urban planning and community development, and propose creative solutions to promote sustainable development and social well-being.

本年度的比賽主題

以下是建議的探索方向，參賽者亦可自訂其他相關的研究主題。

- 借鑒香港各區所面臨的挑戰，運用空間數據為北部都會區打造更宜居的社區。
- 運用現有的空間數據構建可視化作品，以展示北部都會區的潛在發展方向及趨勢。
- 以空間數據結合新興產業，構想北部都會區的不同可能性，如自動駕駛、娛樂及遊戲和低空經濟等。
- 以不同的技術(如地理信息系統、建築信息模擬、三維技術、虛擬實境、擴增實境或物聯網)，結合現有的空間數據，展示北部都會區未來的規劃。
- 為北部都會區建設新的數據集，結合一手數據及現有的空間數據，提出不同規劃的可能性。
- 通過空間分析，探討北部都會區的發展如何能為香港解決現有的挑戰，以及如何為未來帶來機遇。

Theme of This Year

Below are suggested areas of exploration, whilst participants may also define other relevant research topics.

- Leverage spatial data to create more liveable communities in the Northern Metropolis by learning from challenges faced by various districts in Hong Kong.
- Create visualisation works using existing spatial data to showcase potential development directions and trends of the Northern Metropolis.
- Envision different possibilities for the Northern Metropolis by combining spatial data with emerging industries, such as autonomous driving, entertainment and gaming, and low-altitude economy.
- Demonstrate future planning for the Northern Metropolis by integrating existing spatial data with various technologies (such as Geographic Information Systems, Building Information Modeling, 3D technology, Virtual Reality, Augmented Reality, or Internet of Things).
- Develop new datasets for the Northern Metropolis, combining primary data with existing spatial data to propose different planning possibilities.
- Explore through spatial analysis how the development of the Northern Metropolis can address Hong Kong's existing challenges and create future opportunities.

為何要參加比賽？

透過參加是次比賽，你可以：

- 獲得專業導師的指導與啟發
- 掌握空間數據應用的最新趨勢
- 提升空間分析和應用技能
- 獲取獎項並累積寶貴經驗
- 為未來學習和事業發展做好準備
- 結識志同道合的夥伴，互相交流學習
- 獲得專業導師的指導，將創新構思轉化為實際應用

Why Should I Participate?

As a participant, you can:

- Receive guidance and inspiration from professional mentors
- Master the latest trends in spatial data applications
- Enhance your spatial analysis and application skills
- Gain awards and valuable experience
- Prepare for future studies and career development
- Network with like-minded partners for mutual learning
- Receive professional mentorship to transform innovative ideas into practical applications

參賽資格

- 組別 4: 公開組 (公眾及大專學生)
- 參賽形式：
 - 可以個人、學校/機構名義參賽
 - 可選擇個人或組隊 (2至6人) 參賽
- 參賽限制：
 - 學校或機構可派出的參賽隊伍數目不設上限
 - 每位參賽者只可參加一個參賽小組
- 技術支援：
 - 地理空間實驗室會為每組參賽者提供比賽專用帳戶 (請 WhatsApp 9187 2916 申請 或 電郵 services@csdigeolab.gov.hk 申請)
 - 空間數據應用諮詢服務

Entry Requirements

- Category 4: Open Category(The general public and tertiary students)
- Participation Format:
 - May participate as an individual or under a school/ an organisation
 - May participate individually or in teams (2-6 members)
- Participation Restrictions:
 - No limit on the number of teams for each school/organisation
 - Each participant can only join one competing team
- Technical Support:
 - GeoLab will provide dedicated competition accounts for participants (To apply for an account, please contact via WhatsApp 9187 2916 or email services@csdigeolab.gov.hk)
 - Consultation service for spatial data applications

獎項及獎品

- 每個組別設有冠、亞、季、優異獎和其他獎項，如：
 - 最佳空間數據應用獎
 - 最具創意獎
 - 最佳建築信息模擬應用獎
 - 最佳人工智能應用獎
- 每個組別的冠、亞、季可獲獎盃
- 參與證書
- 媒體報導
- 導師指導
- 交流的機會（決賽入圍者有機會向業界展示作品）

Awards and Prizes

- Each category includes Champion, 1st Runner-up, 2nd Runner-up, Merit Award and other special awards such as
 - Best Spatial Data Application Award
 - Most Creative Award
 - Best BIM Application Award
 - Best AI Application Award
- Trophies will be awarded to Champion, 1st Runner-up, and 2nd Runner-up in each category
- Participation Certificate
- Media Coverage
- Mentorship
- Networking Opportunities (Finalists will have the chance to showcase their work to industry professionals)



比賽流程及時間表

Time Schedule

比賽流程及時間表

Time Schedule

報名期 Enrolment Period



第一階段 Phase 1



第二階段(決賽階段) Phase 2 (Finalist Stage)



比賽流程及時間表

Time Schedule

報名期 Enrolment Period



2025.02.07 (Cat 4)

(Cat 4) :

- 2025.03.01 10:00 - 12:00
- 2025.03.15 10:00 - 12:00
- 2025.03.21 17:00 - 19:00

比賽流程及時間表

Time Schedule

第一階段 Phase 1



比賽流程及時間表

Time Schedule

第二階段(決賽階段) Phase 2 (Finalist Stage)



空間數據工作坊

為參賽團隊提供

- 參賽所需的基本技能，如有效地使用空間數據製作網路地圖和作品

工作坊將介紹

- 空間數據共享平台入門網站
- 空間數據結構
- 數據可視化
- 空間分析技巧

Spatial Data Workshops

Offers contestant teams

- The essential skills required to effectively produce web maps and deliverables using spatial data

The Workshop will introduce

- CSDI portal
- Structure of spatial data
- Data visualisation
- Spatial analysis methods

空間數據工作坊

Spatial Data Workshops

活動時間表 Timetable

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公開組
Open Category

2025年3月1日 (六)
1 March 2025 (Sat)

10:00 - 12:00

2025年3月15日 (六)
15 March 2025 (Sat)

10:00 - 12:00

2025年3月21日 (五)
21 March 2025 (Fri)

17:00 - 19:00

語言
Language



廣東話 Cantonese



地理空間實驗室
Geospatial Lab

九龍觀塘觀塘道388號創紀之城1期1座9樓915-918室
Units 915-918, 9/F, Tower 1, Millennium City 1, 388 Kwun Tong Road, Kwun Tong, Kowloon

其他工作坊及考察

Other Workshops and Site Visit

**設計思維
入門課及工作坊**
Design Thinking
Seminar & Workshop

**粉嶺北
社區聯絡中心導賞**
Fanling North
Community Liaison Centre
Guided Tour



作品要求

Submission Requirements

作品要求

Submission Requirements

	<p>組別 4: 公開組 (公眾及大專學生) Category 1: Open Category (The general public and tertiary students)</p>
<p>作品目標 Project objective</p>	<p>以空間數據為中心的原型，允許使用者輸入數據或與原型進行互動，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>
<p>第一階段 Phase 1</p>	<ul style="list-style-type: none">• 一份以地理空間應用程式為前題的建議書 A proposal based on a digital geospatial application. 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），並須以文件形式（如 Word, PowerPoint, PDF）提交，當中應以中文或英文詳細說明 The proposal should not exceed 10 pages (excluding appendices and references) and must be submitted in document format (e.g., Word, PowerPoint, PDF) in either Chinese or English• 一分鐘的影片介紹該建議書 A one-minute video introducing the proposal.
<p>第二階段(決賽階段) Phase 2 (finalist stage)</p>	<ul style="list-style-type: none">• 展示項目的可行性，並將其轉化為一個原型 Demonstrate the project's feasibility and transform it into a prototype.• 作品簡報資料 (頁數上限為10頁，頁數限制包括附錄，但不包括參考文獻) A presentation deck (Not exceeding 10 pages, including appendices but excluding references)• 入圍參賽者亦須於匯報日向評審進行匯報 Must present their work to the judges on the presentation day.

第一階段作品要求 公開組

- 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），並須以文件形式（如 Word, PowerPoint, PDF）提交，當中應以中文或英文詳細說明下列內容：
 - 應用程式的主題
 - 針對主題的解決方案（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 Open Category

- The proposal should not exceed 10 pages (excluding appendices and references) and must be submitted in document format (e.g., Word, PowerPoint, PDF) in either Chinese or English, detailing the following:
 - Application theme
 - Solution for the theme (e.g., mobile app, web application, program, etc.)
 - Target beneficiaries
 - Primary spatial data used
 - Appropriate use of spatial data from CSDI portal
 - Method of applying spatial data
 - Main technologies or tools used (e.g., GIS, IoT, VR, etc.)
 - Expected benefits of the solution

第一階段入圍準則

公開組

Phase 1 Judging Criteria

Open Category

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 改善建議的創意 作品的原創性或其靈感是來自其他文獻的啟發
額外分數 (10%)	<ul style="list-style-type: none"> 文獻引用及研究方法 完整故事線及連貫論述 方案實施可行性、擴展的能力及其長遠發展

Criteria	Description
Content (30%)	<ul style="list-style-type: none"> Theme relevance and correlation Clear and complete description of problems to be solved Application of appropriate spatial analytical techniques Excellent logical thinking in analysing identified problems
Application of Spatial Data and Technology/Tools (30%)	<ul style="list-style-type: none"> Detailed explanation of distribution patterns observed on maps Application of spatial technologies (such as Geographic Information Systems, Building Information Modeling, 3D technology, Virtual Reality, Augmented Reality, or Internet of Things) and spatial data to address urban-related issues Use of spatial data as evidence in analysing identified challenges
Idea and creativity (30%)	<ul style="list-style-type: none"> Clear identification of social needs/unmet policy goals/areas for improvement Demonstration of novel and creative thinking Creative improvement suggestions Work originality or inspiration from other literature
Extra Points (10%)	<ul style="list-style-type: none"> Literature citation and research methodology Complete storyline and coherent argumentation Implementation feasibility, scalability, and long-term development

第二階段作品要求 公開組

參賽者須提交一個完整可運作的原型系統，展現其功能性操作介面及空間數據處理能力。系統需確保運作穩定，並能有效展示所提出的解決方案。

- 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
- 作品簡報資料的頁數上限為10頁（頁數限制包括附錄，但不包括參考文獻），並須以PowerPoint或其他簡報形式提交，當中應以中文或英文介紹下列內容：
 - 作品的主題及功能
 - 所採用的空間數據及應用方式
 - 所採用的技術或工具（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 2 Submission Requirements Open Category

Finalists must submit a fully functional prototype system demonstrating its operational interface and spatial data processing capabilities. The system must ensure stable operation and effectively demonstrate the proposed solution.

- The project's functions, uses, applied spatial data, and technological tools (e.g., GIS, IoT, VR, etc.) must be consistent with the proposal
- The presentation deck should not exceed 10 pages (including appendices but excluding references) and must be submitted in PowerPoint or other presentation format, introducing the following content in either Chinese or English:
 - Project theme and functions
 - Adopted spatial data and application methods
 - Adopted technologies or tools (e.g., GIS, IoT, VR, etc.)
 - Expected benefits of the solution

評審準則 公開組

Judging Criteria Open Category

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展示將創新構思轉化為實際應用的能力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">運用空間數據的能力分析處理能力解決於建議書中提出的關鍵挑戰 / 痛點的能力技術應用創新及概念驗證潛力展示可發展至概念驗證 (proof of concept) 的潛質，突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好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">完整故事線及連貫論述方案實施可行性、擴展的能力及其長遠發展原型系統的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

Criteria	Description
Development Process (20%)	<ul style="list-style-type: none">Ability to implement proposal contentAbility to transform innovative ideas into practical applicationsIntegration of user requirements into functionalityWork done for customising functions, purposes, and user requirements
Functionality (20%)	<ul style="list-style-type: none">Ability to utilise spatial data from CSDI portal and other sourcesAnalytical processing capabilityAbility to address key challenges/pain points identified in the proposalInnovation in technical application and proof-of-concept potentialDemonstrating potential for proof-of-concept development, highlighting practical applicability and adaptability
Final Presentation (20%)	<ul style="list-style-type: none">Detailed presentation of the projectCreativity shown during presentation/demonstrationClear explanation of project development rationaleExplaining benefits for target usersExplaining project's development potential and sustainability
Market Potential/ Public Acceptance (20%)	<ul style="list-style-type: none">Benefits and impactSocial market impactBenefits to users
Overall Performance (20%)	<ul style="list-style-type: none">Complete storyline and coherent argumentationImplementation feasibility, scalability, and long-term developmentReliability and stability of the prototype systemUser-friendly interfaceCompleteness and capability in solution implementation

作品呈交須知

- 以附件形式提交你的建議書（電子郵件大小限制為100 MB，長度不超過 10 頁）
- 上傳一段1分鐘介紹你建議書/應用程式原型的影片到一個檔案共用平台，並以電郵提交其分享連結，連同建議書一併提交
- 在比賽的第二階段，應用程式原型須在決賽和頒獎典禮上展示

Submission

- Please submit your proposal via email. Please note that the maximum email size allowed is 100 MB, and the proposal should not exceed 10 pages in length
- Upload a 1-minute video introducing your proposal/prototype to a file-sharing platform, and submit the shareable link along with your presentation materials in your email
- In Phase 2 of the Awards, the prototype should be presented in the Final Presentation and the Awards Ceremony

作品呈交須知

Submission

請透過電子郵件將第一階段和第二階段的資料連同你提供的團隊編號發送至 csdiawards2025@csdigeolab.gov.hk。

參加者必須在呈交作品時，清晰地交待是次參賽作品有否曾用作參與其他由空間數據共享平台或地理空間實驗室所舉辦或合辦的比賽。

Please submit Phase 1 and Phase 2 materials by email to csdiawards2025@csdigeolab.gov.hk along with your provided team number.

Participants must clearly state whether their submission for this competition has been used to participate in other competition organised or co-organised by the CSDI or GeoLab.



參賽作品範例

Exemplary Submissions



北部都會區主題分享

Sharing on the Northern Metropolis



問答環節

Q & A



掃二維碼下載報名表格

Scan the QR code to download the registration form

報名電話 Phone / WhatsApp : [6777 6786](tel:67776786)

報名電郵 Email : csdiawards2025@csdigeolab.gov.hk



掃二維碼北部都會區的行動綱領(中文版)

Scan the QR code to download the the Northern
Metropolis Action Agenda
(Chinese Version)



掃二維碼北部都會區的行動綱領(英文版)

Scan the QR code to download the the Northern
Metropolis Action Agenda
(English Version)

地理空間實驗室 Geospatial Lab



Member Registration



f Geospatial Lab



@ geospatial_lab_hk