



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

- 空間數據共享平台入門網站簡介
- 比賽規則
- 比賽流程及時間表
- 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

# Agenda

- **Introduction to the CSDI portal**
- **Competition Rules**
- **Time Schedule**
- **Submission Requirements**
- **Exemplary Submission**
- **Resources and services for the Awards**
- **Sharing on the Northern Metropolis**
- **Q&A**



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

- 組別一：高小組 (小四至小六)
- 組別二：初中組 (中一至中三)
- 組別三：高中組 (中四至中六)
- 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 或電郵 [services@csdigeolab.gov.hk](mailto:services@csdigeolab.gov.hk) 申請)
  - 空間數據應用諮詢服務

# Entry Requirements

- Category 1: Upper Primary Category (P4 to P6)
- Category 2: Junior Secondary Category (S1 to S3)
- Category 3: Senior Secondary Category (S4 to S6)
- 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](mailto: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
- 每個組別的冠、亞、季可獲獎盃
- 參與證書
- 參賽學生所屬學校感謝狀
- 參賽學生人數最多的學校可獲獎盃
- 媒體報導

# 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
- Trophies will be awarded to Champion,
- 1st Runner-up, and 2nd Runner-up in each category
- Participation Certificate
- Certificate of Appreciation for Participating Schools
- Trophy for School with Most Participating Students
- Media Coverage



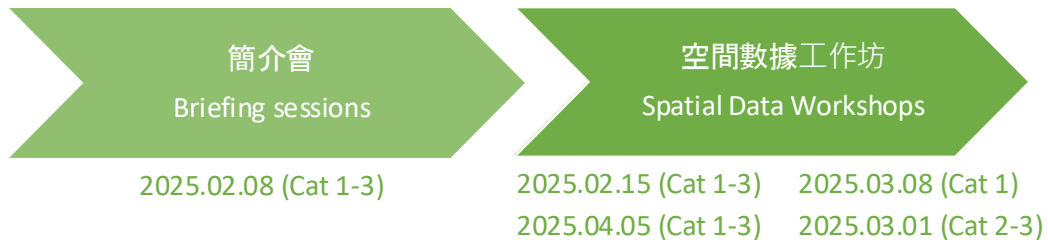
# 比賽流程及時間表

## Time Schedule

# 比賽流程及時間表

# Time Schedule

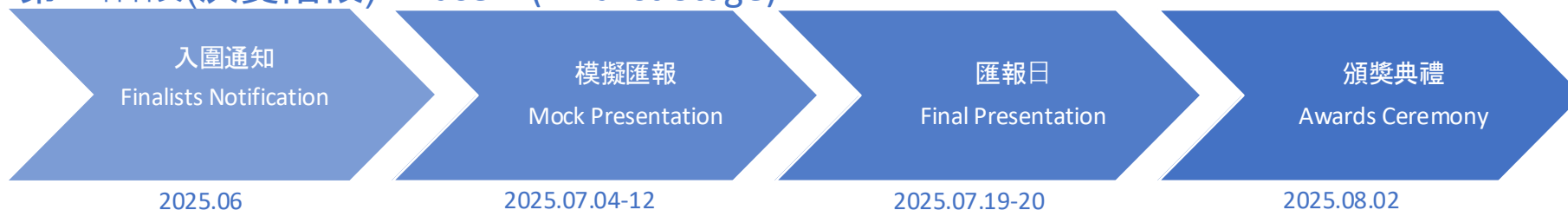
## 報名期 Enrolment Period



## 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



2025.02.08 (Cat 1-3)

(Cat 1) :

- 2025.02.15 10:00 - 12:00
- 2025.03.08 10:00 - 12:00
- 2025.04.05 10:00 - 12:00

(Cat 2-3) :

- 2025.02.15 14:30 - 16:30
- 2025.03.01 15:00 - 17:00
- 2025.04.05 15:00 - 17:00

# 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

語言 Language  
廣東話 Cantonese

1

高小組  
Upper Primary School

2025年2月15日 (六)  
15 February 2025 (Sat)

10:00 - 12:00

2025年3月8日 (六)  
8 March 2025 (Sat)

10:00 - 12:00

2025年4月5日 (六)  
5 April 2025 (Sat)

10:00 - 12:00

2

3

初、高中組  
Junior Secondary & Senior Secondary

2025年2月15日 (六)  
15 February 2025 (Sat)

14:30 - 16:30

2025年3月1日 (六)  
1 March 2025 (Sat)

15:00 - 17:00

2025年4月5日 (六)  
5 April 2025 (Sat)

15:00 - 17:00



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

	組別一：高小組 (小四至小六) Category 1: Upper Primary Category (P4 to P6)	組別二：初中組 (中一至中三) Category 2: Junior Secondary Category (S1 to S3)	組別三：高中組 (中四至中六) Category 3: Senior Secondary Category (S4 to S6)
作品目標 Project objective	以圖像、影片及地理信息標記步行路線，旨在向公眾展示相關的興趣點、其狀況及特色 Record a route or multiple routes geotagged with images, videos and geographic information, with the aim of presenting the relevant points of interest, their conditions and distinctive characteristics to the public	呈現某種現象或地理特徵的空間分布，並運用簡單的地圖閱讀技巧來描述和解釋觀察到的分布特徵 Show the location and spatial distribution of a phenomenon or geographic features, further adopting map reading skills to describe and explain any distribution patterns they observed	描述和解釋觀察到的分布特徵，並運用適當的空間分析工具研究其分布形態或地理特徵，以支持其觀察、結論 Describe and explain observed distribution patterns, and use appropriate spatial analysis tools to study distribution patterns or geographical features to support their observations and conclusions
第一階段 Phase 1	<ul style="list-style-type: none"><li>• 互動網絡地圖 Interactive web map</li><li>• 1分鐘介紹呈交作品的影片 A 1-minute video</li></ul>		
第二階段(決賽階段) Phase 2 (finalist stage)	<ul style="list-style-type: none"><li>• 互動網絡地圖 Interactive web map</li><li>• 展示尺寸上限為 50 x 50 x 50 厘米的實體展品 Physical exhibit display no larger than 50 x 50 x 50cm.</li></ul>		

# 作品要求 (小四至小六)

- 適當地運用空間數據共享平台入門網站的空間數據
- 使用互動地圖應用程式製作一條或多條步行路線，並記錄每一個所到訪過或感興趣的地方境況及特色
- 於地圖上以圖像、短片及文字，標記每一個到訪過或感興趣的地方，介紹該些地方境況及特色

# Submission Requirements (Primary 4 to 6)

- Use spatial data available at the CSDI portal where appropriate
- Use an interactive web map to create a map showing a route or multiple routes and all the stops visited by the participants or their interested locations
- Each stop in the map is geotagged with images, video and narrative texts to introduce the condition and characteristics of the places

# 評審準則 (小四至小六)

# Judging Criteria (Primary 4 to 6)

準則	描述
內容 (30%)	<ul style="list-style-type: none"><li>與主題配合度和相關性</li><li>對社區的了解</li></ul>
互動地圖的使用 (30%)	<ul style="list-style-type: none"><li>探索路線的完整性：在互動地圖中標示一條或多條步行路線，和所有興趣點</li><li>智慧元素的標示及多媒體運用的效果：於地圖上以圖像、短片及文字，標記每一個到訪過的興趣點位置，從而敘述記錄旅途體驗或興趣點介紹</li></ul>
意念及創意 (20%)	<ul style="list-style-type: none"><li>主題的趣味性：使用具吸引力的圖畫、照片、短片、數據及地圖</li><li>展示新穎和創意的思維</li><li>作品的原創性</li><li>展示個人觀感</li></ul>
整體表達 (20%)	<ul style="list-style-type: none"><li>互動地圖呈現的資料清晰度</li><li>匯報表現、實體展品展示和 1 分鐘影片的演示</li></ul>

Criteria	Description
Content (30%)	<ul style="list-style-type: none"><li>Theme relevance and correlation</li><li>Understanding of the community</li></ul>
Use of Interactive Map (30%)	<ul style="list-style-type: none"><li>Completeness of exploration routes: marking one or multiple walking routes and all points of interest on the interactive map</li><li>Effectiveness of smart elements and multimedia usage: geotagging visited points of interest with images, videos, and text to document the journey experience or introduce points of interest</li></ul>
Idea and creativity (20%)	<ul style="list-style-type: none"><li>Theme interest: use of engaging illustrations, photos, videos, data, and maps</li><li>Demonstration of novel and creative thinking</li><li>Work originality</li><li>Display of personal perspective</li></ul>
Overall Presentation (20%)	<ul style="list-style-type: none"><li>Clarity of information presented in the interactive map</li><li>Presentation performance, physical exhibit display, and 1-minute video demonstration</li></ul>

# 作品要求 (中一至中三)

- 適當地運用空間數據共享平台入門網站的空間數據
- 著眼於地圖上所顯示的分布形態
- 嘗試回答簡單的問題，例如：「它在哪裡？」、「它在哪裡發生？」、「哪裡是甚麼？」、「為甚麼在哪裡？」、「有分布形態特徵嗎？」等
- 參賽者可加插其他在空間上有關聯的地圖來回答問題，例如：「甚麼因素控制了分布形態？」或「還有甚麼現象的分布形態與現時的現象有空間上的關聯？」等。
- 對該本組別而言，空間分析並非必要。假若參賽者認為空間分析有利於解釋所研究的現象的分布狀態，則可自由選用。

# Submission Requirements (Secondary 1 to 3)

- Use spatial data available at the CSDI portal where appropriate
- Focus on the distribution pattern as manifested on the map
- Try to answer simple questions such as “where is it?”, “where does it occur?”, “what is there?”, “why is it there?”, “is there a distribution pattern?”, and so forth.
- Participants may stack up other spatially related maps to answer questions such as “what factors govern the distribution pattern?” or “what else is spatially associated with the phenomenon?” and so forth.
- Spatial analysis is not required for this category, but participants are free to employ it if they think it can help them to explain the distribution pattern better.



# 評審準則 (中一至中三)

# Judging Criteria (Secondary 1 to 3)

準則	描述
內容 (30%)	<ul style="list-style-type: none"><li>與主題配合度和相關性</li><li>採用以地圖為主的故事地圖，配合圖像、影片和敘述文字進行地理標記</li><li>描述及解釋地圖的分布形狀時，能否恰當地採用地圖閱讀及理解技巧</li></ul>
研究質量 (30%)	<ul style="list-style-type: none"><li>準確運用數據：適當使用空間數據共享平台入門網站的空間數據並以簡潔、有邏輯和有效的方式進行空間分析</li><li>全面的觀察：對地圖上所觀察到的分布形態及成因提供詳盡的討論及解釋</li><li>合理解釋：在清晰明確的框架中描述所有討論及分析</li><li>邏輯表達</li></ul>
意念及創意 (20%)	<ul style="list-style-type: none"><li>主題的趣味性：使用具吸引力的圖畫、照片、短片、數據及地圖</li><li>展示新穎和創意的思維</li><li>作品的原創性或其靈感是來自其他文獻的啟發</li></ul>
整體表達 (20%)	<ul style="list-style-type: none"><li>互動地圖呈現的資料清晰度</li><li>匯報表現、實體展品展示和 1 分鐘影片的演示</li></ul>

Criteria	Description
Content (30%)	<ul style="list-style-type: none"><li>Theme relevance and correlation</li><li>Use of map-centric story maps geotagging with images, videos, and narrative text</li><li>Description and explanation of map distribution, appropriate use of map reading and comprehension skills</li></ul>
Quality of research (30%)	<ul style="list-style-type: none"><li>Accurate data usage: appropriate use of spatial data from CSDI portal and conducting spatial analysis in a concise, logical, and effective manner</li><li>Comprehensive observation: detailed discussion and explanation of observed distribution patterns and their causes</li><li>Reasonable explanation: description of all discussions and analyses within a clear and definite framework</li><li>Logical expression</li></ul>
Idea and creativity (20%)	<ul style="list-style-type: none"><li>Theme interest: use of engaging illustrations, photos, videos, data, and maps</li><li>Demonstration of novel and creative thinking</li><li>Work originality or inspiration derived from other literature</li></ul>
Overall Presentation (20%)	<ul style="list-style-type: none"><li>Clarity of information presented in the interactive map</li><li>Presentation performance, physical exhibit display, and 1-minute video demonstration</li></ul>

# 作品要求 (中四至中六)

# Submission Requirements (Secondary 4 to 6)

- 適當地運用空間數據共享平台入門網站的空間數據
  - 可採用專題製圖技巧 ( Thematic mapping skills), 例如等值區域圖 (Choropleth map) 或熱圖(Heat map) 去呈現空間分布形態
  - 運用基本的空間分析技巧, 例如緩衝 ( buffer) 、裁剪 (clip) 及疊加分析 (overlay analysis) , 對任何空間分析工具的使用卻沒有限制
- Appropriate use of spatial data from the CSDI portal
  - May apply thematic mapping skills such as choropleth map or heat mapping to manifest spatial patterns in the acquired data.
  - Required to adopt basic spatial analyses such as buffer, clip and overlay analysis but no restriction on what analytical tools shall be used.

# 評審準則 (中四至中六)

# Judging Criteria (Secondary 4 to 6)

準則	描述
內容 (30%)	<ul style="list-style-type: none"><li>與主題配合度和相關性</li><li>地圖製作技巧</li><li>採用的地圖閱讀及理解技能去描述及解釋地圖的分布形狀</li><li>運用合適的空間分析技巧，例如緩衝 (buffer)、裁剪 (clip) 及疊加分析 (overlay analysis) 以提供解決方案或揭示控制空間分布的成因</li></ul>
研究質量 (30%)	<ul style="list-style-type: none"><li>為地圖上觀察到的分布形態提供詳細的解釋</li><li>適當使用空間數據共享平台入門網站的空間數據並以簡潔、有邏輯和有效的方式進行空間分析</li><li>在空間分析中表示出其邏輯、批判性思維以及地圖運用方面的掌控</li></ul>
意念及創意 (20%)	<ul style="list-style-type: none"><li>主題的趣味性：使用具吸引力的圖畫、照片、短片、數據及地圖</li><li>展示新穎和創意的思維</li><li>作品的原創性或其靈感是來自其他文獻的啟發</li></ul>
整體表達 (20%)	<ul style="list-style-type: none"><li>互動地圖呈現的資料清晰度，整體結構及內容連貫性</li><li>匯報表現、實體展品展示和 1 分鐘影片的演示</li></ul>

Criteria	Description
Content (30%)	<ul style="list-style-type: none"><li>Theme relevance and correlation</li><li>Cartographic skills</li><li>Use of map reading and comprehension skills to describe and explain distribution patterns</li><li>Application of appropriate spatial analytical techniques such as buffer, clip, and overlay analysis to provide solutions or reveal factors controlling spatial distribution</li></ul>
Quality of research (30%)	<ul style="list-style-type: none"><li>Detailed explanation of distribution patterns observed on the map</li><li>Appropriate use of spatial data from CSDI portal and conducting spatial analysis in a concise, logical, and effective manner</li><li>Demonstration of logic, critical thinking, and mastery of map usage in spatial analyses</li></ul>
Idea and creativity (20%)	<ul style="list-style-type: none"><li>Theme interest: use of engaging illustrations, photos, videos, data, and maps</li><li>Demonstration of novel and creative thinking</li><li>Work originality or inspiration derived from other literature</li></ul>
Overall Presentation (20%)	<ul style="list-style-type: none"><li>Clarity of information presented in the interactive map, overall structure and content coherence</li><li>Presentation performance, physical exhibit display, and 1-minute video demonstration</li></ul>

# 作品呈交須知

- 請提交網絡地圖的網頁原始碼或其分享連結。提交前請於無痕式視窗測試所有內容，地圖及連結是否顯示正常
- 參賽者需要為提交的網絡地圖命名，作品內應避免提及個人姓名、資料及附屬機構/學校
- 上傳一段1分鐘介紹你的網路地圖的影片到一個檔案共用平台，並以電郵提交其分享連結
- 參賽者可以選擇使用中文或英文完成作品
- 於決賽介紹你的網路地圖的實體展品（尺寸不大於50 x 50 x 50厘米）
  - [註：在整個決賽/頒獎典禮期間，參賽者須隨身攜帶展品。地理空間實驗室恕不會負責展品的任何運輸或物流]
- 第一階段作品提交後，不得更改或更新。入圍決賽參賽者於第二階段可以更改或更新，將個別通知。
- 入圍者須在決賽和頒獎典禮展示其作品
- 如有任何爭議，地理空間實驗室保留最終決定權

# Submission

- Send us the HTML source code OR long URL of the web map. ALWAYS test the URL links in a "private/incognito" browser window before submitting
- Participants are asked to create a title on their web map but refrain from entering into it any personal name, details, affiliated organisation / school
- Upload a 1-minute video introducing your web map to a file-sharing platform, and submit the shareable link through email
- Participants can choose to complete their work in Chinese or English
- Present and showcase their work using a physical exhibit display no larger than 50 x 50 x 50cm
- [Note: Participants are kindly requested to personally carry the physical visual item throughout the Final Presentation/Awards Ceremony. Geospatial Lab, regretfully, cannot take responsibility for any transportation or logistics arrangements regarding the visualisation materials]
- After submission of Phase 1, no modifications or updates are allowed. Finalists will be individually notified to make changes or updates on their work during Phase 2.
- In Phase 2 of the Awards, finalists will be invited to present their works in the Final Presentation and Awards ceremony
- In case of disputes, the decisions of the Geospatial Lab shall be final

# 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](mailto: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](mailto: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](mailto: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



 Geospatial Lab



 geospatial\_lab\_hk