



空間數據共享平台  
Common Spatial  
Data Infrastructure

地理空間實驗室  
Geospatial Lab

發展局  
Development Bureau

營運機構  
OPERATED BY



東華三院  
Tung Wah Group of Hospitals

支援組織  
SUPPORTED BY



合作伙伴  
COLLABORATING PARTNER



# 空間數據共享平台大獎2023 CSDI Awards 2023

空間數據推動城市向前邁進  
Propel Our City with Spatial Data



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# 目錄

# Agenda

## 比賽規則

- 比賽總覽
- 比賽流程及時間表
- 作品呈交須知
- 查詢

## House rules

- Overview
- Timeline
- Submission Requirements
- Enquiries



# 比賽規則 House rules

# 比賽總覽 (1/6)

## Overview



### 比賽目的

- 鼓勵學生及公眾使用空間數據共享平台入門網站
- 讓學生及公眾應用空間數據，就現今城市所面臨的挑戰提出創新可行的方案



### Objectives

- To promote the CSDI Portal and raise students' and the public's interest in spatial data
- To encourage students and individuals from the public to make creative use of spatial data available on the CSDI Portal to address challenges faced by the city

# 比賽總覽 (2/6)

## Overview



### 本年度的比賽主題

- 「環境、社會及管治」(“ESG”)
  - **環境**：關乎分配資源於減低環境影響及改善環境方面的措施
  - **社會**：改善市民生活質量的項目
  - **管治**：例子為資訊透明度、回應對社會有需要人士的需求等
- 將ESG原則融入城市發展過程中能推動城市及提升城市的其可持續性、韌性和多元性
- ESG課題皆有「空間」的元素，可利用空間數據找出解決方法



### This Year's Theme for the Awards

- “Environmental, Social and Governance” (“ESG”)
  - **E** : Allocating resources to initiatives that eliminate environmental impacts
  - **S** : Improving the quality of life of residents
  - **G** : Relevant examples are information transparency and responding to those in need
- Incorporating ESG principles in the development process can propel our city and enhance its sustainability, resilience and diversity
- Key issues in ESG bear spatial dimensions and provide the opportunity for problem-solving using spatial data

# 比賽總覽 (3/6)

## Overview



### 參賽目標

- 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
  - 發展空間數據及其應用工具相關的技能
  - 展現你的創意和天賦
  - 獲取獎項和無價的經驗



### Why should I participate?

As a contestant, you can:

- Learn from mentors and be inspired
- Stay in touch with latest developments in the market
- Develop your technical knowledge in spatial data and related tools
- Showcase your creativity and talents
- Bring home rewards and a priceless experience

# 比賽總覽 (4/6)

## Overview



### 參賽資格

- 參賽者必須以學校名義參賽
- 每間學校的參賽組別數目不設上限
- 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
- 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)



### Entry Requirements

- Participation in the Awards must be on a school basis
- No limitation on the maximum number of teams from each school
- Contestants can participate as an individual or in a team of 2 to 6 people
- Each contestant may only participate in one team
- All participants must use the account issued by Geospatial Lab to join the Awards (Please contact the Geospatial Lab by WhatsApp 9187 2916 for the account application)

# 比賽總覽 (5/6)

## Overview



是次比賽設有豐富的獎項及獎品：

- 參與獎狀
- 感謝狀予參賽學生的學校
- 最積極參與獎予參賽人數最多的學校
- 媒體報導



We have prepared a variety of awards and prizes:

- Certificate of participation
- Certificate of appreciation to schools of participating students
- Trophy to schools with the highest number of participating students
- Media coverage



# 比賽總覽 (6/6)

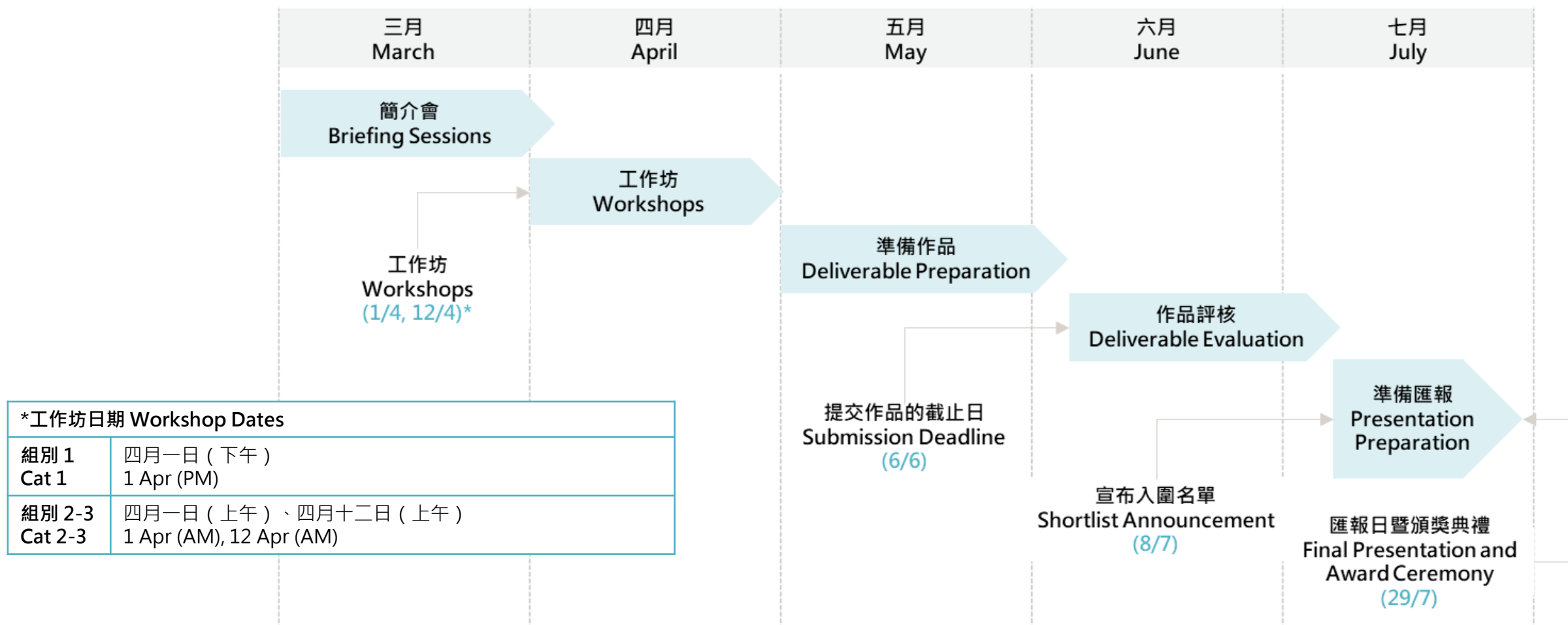
## Overview

獎項 Prizes	組別1* Category 1*	組別2* Category 2*	組別3* Category 3*
冠軍 Champion	3,000	3,000	4,000
亞軍 1 <sup>st</sup> runner-up	2,000	2,000	2,500
季軍 2 <sup>nd</sup> runner-up	1,500	1,500	2,000
優異獎 (每組別各5名) Merit (5 for each category)	1,000	1,000	1,500
其他獎項 Other awards			
最佳空間數據應用獎 Best use of spatial data award	500	500	500
最具創意獎 Most creative idea award	500	500	500
最佳匯報獎 Best presentation award	500	500	500
最貼題獎 (每組別各 3 名) Best topic in ESG award (3 for each category)	500	500	500

\*獎金數目為每獲獎小組所得的金額。

\*Each figure refers to the dollar amount to be received by each team receiving the award.

# 比賽流程及時間表 Timeline



# 作品要求 ( 小四至小六 )

## Submission Requirements (Primary 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
- 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
- Use spatial data available at the CSDI Portal where appropriate
- Use an interactive map application to create a map showing a route or multiple routes and all the stops visited by the contestants 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

# 作品要求 ( 小四至小六 )

## Submission Requirements (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></ul>
互動地圖的使用 (30%)	<ul style="list-style-type: none"><li>在互動地圖中標示一條或多條步行路線，和所有到訪過的地點或感興趣的景點</li><li>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景點，從而敘述記錄旅途體驗或介紹該些景點</li></ul>
意念及創意 (20%)	<ul style="list-style-type: none"><li>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>展示的材料以直接易明的方式排列</li></ul>

Criteria	Description
Content (30%)	<ul style="list-style-type: none"><li>Alignment with and relevance to the theme</li></ul>
Use of Interactive Map (30%)	<ul style="list-style-type: none"><li>Showing a route/routes with all the visited stops or interested locations on the interactive map</li><li>Geotagging each location with images, videos, and narrative texts to record the experience of the journey or introduce the places</li></ul>
Idea and Creativity (20%)	<ul style="list-style-type: none"><li>Use of highly attractive graphs, photos, figures, videos and maps</li><li>Demonstration of novel and creative ideas</li><li>Originality of the work</li><li>Show personal observations and opinions</li></ul>
Overall Presentation (20%)	<ul style="list-style-type: none"><li>Arrangement of materials in a fashion that is intuitive and easy to follow</li></ul>

# 作品要求 ( 中一至中三 )

## Submission Requirements (Secondary 1 to 3)

- 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
- 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
  - e.g., “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
  - e.g., “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
  - Participants are free to employ it if they think it can help them to explain the distribution pattern better

# 作品要求 ( 中一至中三 )

## Submission Requirements (Secondary 1 to 3)

準則	描述	Criteria	Description
內容及技能應用 (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，所採用的地圖閱讀及理解技能</li></ul>	Content and skills applied (30%)	<ul style="list-style-type: none"><li>Alignment with and relevance to the theme</li><li>Adoption of a map-centric story map, geotagging with images, videos, and narrative text</li><li>Adoption of map reading and interpretation skills to describe and explain the map's distribution pattern</li></ul>
研究質量 (30%)	<ul style="list-style-type: none"><li>以具意義和合乎邏輯的方式使用空間數據和地理信息系統工具</li><li>為地圖上觀察到的分布形態提供詳細的討論及解釋影響空間分布的成因</li><li>在清晰明確的框架中，描述所有討論及分析</li></ul>	Quality of research (30%)	<ul style="list-style-type: none"><li>Application of spatial data and GIS tools in a meaningful and logical way</li><li>Provision of detailed explanations and analysis of the observed distribution pattern as shown on the maps</li><li>Presentation of all the discussions and analyses in a clear and well-defined framework</li></ul>
意念及創意 (20%)	<ul style="list-style-type: none"><li>使用極具吸引力的圖畫、照片、短片、數據及地圖</li><li>展示新穎和創意的思維</li><li>作品的原創性或展示其靈感是來自其他引用文獻</li></ul>	Idea and creativity (20%)	<ul style="list-style-type: none"><li>Use of highly attractive graphs, photos, figures and maps</li><li>Demonstration of novel and creative ideas</li><li>Originality of the work or demonstration of inspiration from other cited reference</li></ul>
整體表達 (20%)	<ul style="list-style-type: none"><li>展示的材料以直接易明的方式排列</li></ul>	Overall Presentation (20%)	<ul style="list-style-type: none"><li>Arrangement of materials in a fashion that is intuitive and easy to follow</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 ) 或熱圖 ( heat mapping ) 去呈現空間分布形態
- 必須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 ) , 但並沒有限制所使用的空間分析工具
- Use spatial data available at the CSDI Portal where appropriate
- May apply thematic mapping skills such as choropleth 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

# 作品要求 ( 中四至中六 )

## Submission Requirements (Secondary 4 to 6)

準則	描述
內容及技能應用 (30%)	<ul style="list-style-type: none"> <li>與主題配合度和相關性</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>以簡潔、合乎邏輯和有效的方式使用空間數據和地理信息系統分析</li> <li>於所有的空間分析中表現出就邏輯、批判性思維以及使用地圖方面的掌握</li> </ul>
意念及創意 (20%)	<ul style="list-style-type: none"> <li>使用具吸引力的圖畫、照片、數據及地圖</li> <li>展示新穎和創意的思維</li> <li>作品的原創性或展示其靈感是來自其他引用文獻</li> </ul>
整體表達 (20%)	<ul style="list-style-type: none"> <li>StoryMap 結構合理且具高度連貫性，直接易明</li> </ul>

Content	Description
Content (30%)	<ul style="list-style-type: none"> <li>Alignment with and relevance to the theme</li> <li>Adoption of map reading and interpretation skills to describe and explain the distribution pattern of the map</li> <li>Application of any suitable spatial analyses such as clip, buffer and overlay analysis, and measure to provide solutions or reveal factors that control the spatial pattern</li> </ul>
Quality of research (30%)	<ul style="list-style-type: none"> <li>Provision of detailed explanations of any observed distribution pattern as shown on the maps</li> <li>Application of spatial data and GIS analyses in a concise, logical and effective manner</li> <li>Excellent grasp of logical thinking and suitable engagement with maps demonstrated in all spatial analyses</li> </ul>
Idea and creativity (20%)	<ul style="list-style-type: none"> <li>Use of highly attractive graphs, photos, figures and maps</li> <li>Demonstration of novel and creative ideas</li> <li>Originality of the work or demonstration of inspiration from other cited reference</li> </ul>
Overall Presentation (20%)	<ul style="list-style-type: none"> <li>The StoryMap is well structured and highly coherent, which is intuitive and easy to follow</li> </ul>






# 作品呈交須知

## Submission

- 請提交故事地圖前，將所有地圖及圖像的連結設定為公開，並只提交應用程式的URL長連結  
(例如 <https://storymaps.arcgis.com/stories/d5b35dxxxx> )
  - 務請提交前於無痕式視窗 (incognito mode) 測試所有URL連結是否顯示正常
- 參賽者需要為提交的故事地圖命名，作品內應避免提及個人姓名、資料及附屬組織/學校/大學
- 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
- 如有任何爭議，地理空間實驗室保留最終決定權
- Send us the long URL of the StoryMaps (e.g. <https://storymaps.arcgis.com/stories/d5b35dxxxx>) which is already available publicly with all maps visible through the application.
  - ALWAYS test the URL links in a "private/incognito" browser window before submitting
- Participants are asked to create a title on their StoryMaps but refrain from entering into it any personal name, details, affiliated organisation / school
- Participants can choose to complete their work in Traditional Chinese, Simplified Chinese or English
- NO changes or corrections are allowed after the submission of work
- In case of disputes, the decisions of the Geospatial Lab shall be final



# 查詢 Enquiries

- 電話 Hotline: 3708 7260
- WhatsApp: 9187 2916
- 電郵 Email: [services@csdigeolab.gov.hk](mailto:services@csdigeolab.gov.hk)

比賽規則部分完  
謝謝