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

目錄

Agenda

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.csdi.gov.hk/
- CSDI portal: https://portal.csdi.gov.hk/csdi-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.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

比賽總覽

Overview

比賽目的

Objectives

- 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

- **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

- 涵蓋香港的各個方面: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 1: 高小組 (小四至小六)

- 組別 2: 初中組 (中一至中三)

- 組別 3: 高中組 (中四至中六)

- 參賽者可以個人、學校/機構名義參賽

- 每間學校/機構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)

Overview

Entry Requirements

- **Category 1: Primary School Category (P4 to P6)**

- **Category 2: Junior Secondary Category (S1 to S3)**

- **Category 3: Senior Secondary Category (S4 to S6)**

- **Participation in the Awards can be as an individual, or on behalf of a school or an organisation.**

- **No limitation on the maximum number of teams from each school/organisation.**

- **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.**

- **Geospatial Lab will provide each group of contestants with an account to show their web maps. (Please WhatsApp 9187 2916 for the application of the account)**

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2,3,4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

- 感謝狀予參賽學生的學校

- 獎盃予參賽人數最多的學校

- 媒體報導
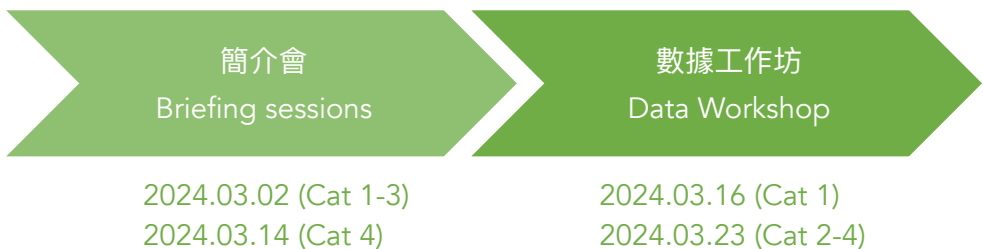
Overview

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**

- **Certificate of appreciation to schools of participating students**

- **Trophy to schools with the highest number of participating students**

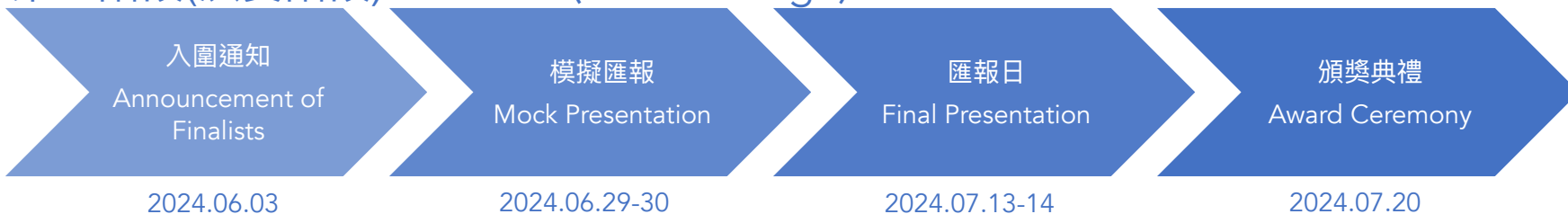- **Media coverage**

比賽流程及時間表
Timeline

比賽流程及時間表　Timeline

報名期 Enrolment Period

簡介會
Briefing sessions

數據工作坊
Data Workshop

2024.03.02 (Cat 1-3)
2024.03.14 (Cat 4)

2024.03.16 (Cat 1)
2024.03.23 (Cat 2-4)

第一階段 Phase 1

報名截止日期
Enrolment Deadline

數據洞察培訓
及匯報工作坊
Data Insight Training
and Presentation Workshop

提交作品的最後限期
Submission Deadline

2024.04.02

2024.04.27

2024.05.18

第二階段(決賽階段)　Phase 2 (Finalist Stage)

入圍通知
Announcement of
Finalists

模擬匯報
Mock Presentation

匯報日
Final Presentation

頒獎典禮
Award Ceremony

2024.06.03

2024.06.29-30

2024.07.13-14

2024.07.20

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
- 空間數據的結構
- 數據可視化
- 空間數據分析技術

Data Workshop

Offers contestant teams

- The essential skills required to effectively produce web maps and deliverables using spatial data downloaded from the CSDI portal

The Workshop will introduce

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

數據工作坊　Data Workshop

組別1 - 高小組 Category 1 – Senior Primary School

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16日，09:30-11:30 16 March 2024, 09:30-11:30
語言： Language:	廣東話 Cantonese

組別2及3 –初中組、高中組 Category 2&3– Junior Secondary, and Senior Secondary School

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，09:15-11:15 23 March 2024, 09:15-11:15
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、 數字化經濟發展委員會委員 ，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, JP

Prof Herbert Chia is currently the Board of Director of Hong Kong Science and Technology Parks Corporation and member of The Digital Economy Development Committee. 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 1: 高小組 (小四至小六) Category 1: Primary School Category (P4 to P6)	組別 2: 初中組 (中一至中三) Category 2: Junior Secondary Category (S1 to S3)	組別 3: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	顯示某種現象或地理特徵的空間分布，並進一步採用地圖閱讀技巧來描述和解釋他們觀察到的分布形態 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	呈現相關的分布形態或地理特徵，並運用基本的空間分析技巧以支持其觀察及結論 Show the location and spatial distribution of a phenomenon or geographic features related to the theme; further supported by basic spatial analyses to provide more insights and understanding of the distribution pattern they observed
第一階段 Phase 1	• 互動網絡地圖 Interactive web map • 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) • 1分鐘介紹呈交作品的影片 A 1-minute video		
第二階段(決賽階段) Phase 2 (finalist stage)	• 互動網絡地圖 Interactive web map • 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) • 展示尺寸上限為 50 x 50 x 50 厘米的實體展品 Physical display item no larger than 50 x 50 x 50cm.		

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 web map 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**

評審準則
(小四至小六)

Judging Criteria
(Primary 4 to 6)

準則	描述
內容 (30%)	• 與主題配合度和相關性
互動地圖的使用 (30%)	• 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 • 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
意念及創意 (20%)	• 使用具吸引力的圖畫、照片、短片、數據及地圖 • 展示新穎和創意的思維 • 作品的原創性 • 展示個人觀感
整體表達 (20%)	• 資料的排列直接易明，憑直覺便能知曉 • 簡報、實體模型和 1 分鐘影片的演示

Criteria	Description
Content (30%)	• Alignment with and relevance to the theme
Use of Interactive Map(30%)	• Appropriate use of spatial data from CSDI portal • Geotagging each location with images, videos, and narrative texts to record the experience of the journey or introduce the places
Idea and creativity (20%)	• Use of highly attractive graphs, photos, figures, videos and maps • Demonstration of novel and creative ideas • Originality of the work • Show personal observations and opinions
Overall Presentation (20%)	• Arrangement of materials in a fashion that is intuitive and easy to follow • Presentation of the slide deck, web maps, physical model and 1-minute video

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 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
內容及技能應用 (30%)	• 與主題配合度和相關性 • 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 • 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
研究質量(30%)	• 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 • 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 • 對地圖上所觀察到的分布形態及成因, 能否提供詳盡的討論及解釋 • 在清晰明確的框架中，描述所有討論及分析
意念及創意 (20%)	• 使用極具吸引力的圖畫、照片、短片、數據及地圖 • 展示新穎和創意的思維 • 作品的原創性或其靈感是來自其他文獻的啟發
整體表達 (20%)	• 故事地圖結構良好且有高度連貫性，憑直覺便能知曉，理論的敘述也簡單易懂 • 簡報、實體模型和 1 分鐘影片的演示

Criteria	Description
Content and skills applied (30%)	• Alignment with and relevance to the theme • Adoption of a map-centric story map, geotagging with images, videos, and narrative text • Adoption of map reading and interpretation skills to describe and explain the map's distribution pattern
Quality of research(30%)	• Appropriate use of spatial data from CSDI portal and spatial analysis in a concise, logical and effective manner • Provision of detailed explanations and analysis of the observed distribution pattern as shown on the maps • Presentation of all the discussions and analyses in a clear and well-defined framework
Idea and creativity (20%)	• Use of highly attractive graphs, photos, figures and maps • Demonstration of novel and creative ideas • Originality of the work or demonstration of inspiration from other cited reference
Overall Presentation (20%)	• The web map is well structured and highly coherent, which is intuitive and easy to follow • Presentation of the slides deck, physical model and 1-minute video

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

- 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），對任何空間分析工具的使用卻沒有限制

- **Use spatial data available at the CSDI portal where appropriate**

- **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
內容及技能應用 (30%)	• 與主題配合度和相關性 • 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 • 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
研究質量(30%)	• 為地圖上觀察到的分布形態提供詳細的解釋 • 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 • 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
意念及創意 (20%)	• 使用具吸引力的圖畫、照片、數據及地圖 • 展示新穎和創意的思維 • 作品的原創性或其靈感是來自其他文獻的啟發
整體表達 (20%)	• 故事地圖結構良好且有高度連貫性，憑直覺便能知曉，理論的敘述也簡單易懂 • 簡報、實體模型和 1 分鐘影片的演示

Content	Description
Content and skills applied (30%)	• Alignment with and relevance to the theme • Adoption of map reading and interpretation skills to describe and explain the distribution pattern of the map • Application of any suitable spatial analysis such as clip, buffer and overlay analysis, and measure to provide solutions or reveal factors that control the spatial pattern
Quality of research (30%)	• Provision of detailed explanations of any observed distribution pattern as shown on the maps • Appropriate use of spatial data from CSDI portal and spatial analysis in a meaningful and logical way • Excellent grasp of logical thinking and suitable engagement with maps demonstrated in all spatial analyses
Idea and creativity (20%)	• Use of highly attractive graphs, photos, figures and maps • Demonstration of novel and creative ideas • Originality of the work or demonstration of inspiration from other cited reference
Overall Presentation (20%)	• The web map is well structured and highly coherent, which is intuitive and easy to follow • Presentation of the slides deck, physical model and 1-minute video

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、資料及附屬組織/學校

- 以附件形式提交你的簡報資料（電子郵件大小限制為100 MB，長度不超過 10 頁）

- 於第一階段上傳一段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，連同簡報資料一併提交

- 參賽者可以選擇使用中文或英文完成作品

- 於第二階段介紹您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]

- 作品提交後，不得更改或更新

- 在比賽的第二階段，入圍者會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

- Contestants are asked to create a title on their web map but refrain from entering into it any personal name, details, affiliated organisation / school

- 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

- Upload a 1-minute video introducing your web map to a file-sharing platform in Phase 1, and submit the shareable link along with your presentation materials in your email

- Contestants can choose to complete their work in Chinese or English

- Present and showcase their work using a physical display item no larger than 50 x 50 x 50cm in Phase 2.

[Note: Contestants 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]

- NO changes or corrections are allowed after the submission of work

- In Phase 2 of the Awards, shortlisted contestants 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

參賽作品範例
Exemplary Submissions

https://storymaps.arcgis.com/stories/0201ae2fb1f94b4688ee1d4fccff6e85

大大步尋喵星人：尋覓社區貓咪的足跡

您是否曾經走過學校附近的社區，偶遇一隻可愛的貓咪？牠們或蜷縮在角落，或趴在街道上，或在店舖門口迎接您的到來。然而，卻不知道牠的名字和背後的故事呢？其實，每一隻貓咪都有着自己獨特的故事。現在，就讓我們一起大大步尋覓喵星人的足跡，認識這些大埔社區的小貓咪們吧！🐱

大埔舊墟公立學校(寶湖道) - 詹皓霖、柯心月、梁海霖、梁榛庭、黃皓正、葉希晴

2023年6月5日

https://storymaps.arcgis.com/stories/0bbd0ace21c5456686a8816e60394f40

高中組 (中四至中六)
Category 3: Senior Secondary Category (S4 to S6)

https://storymaps.arcgis.com/stories/6b5fb8d8e24c4cb9b9e71ff359c833e7
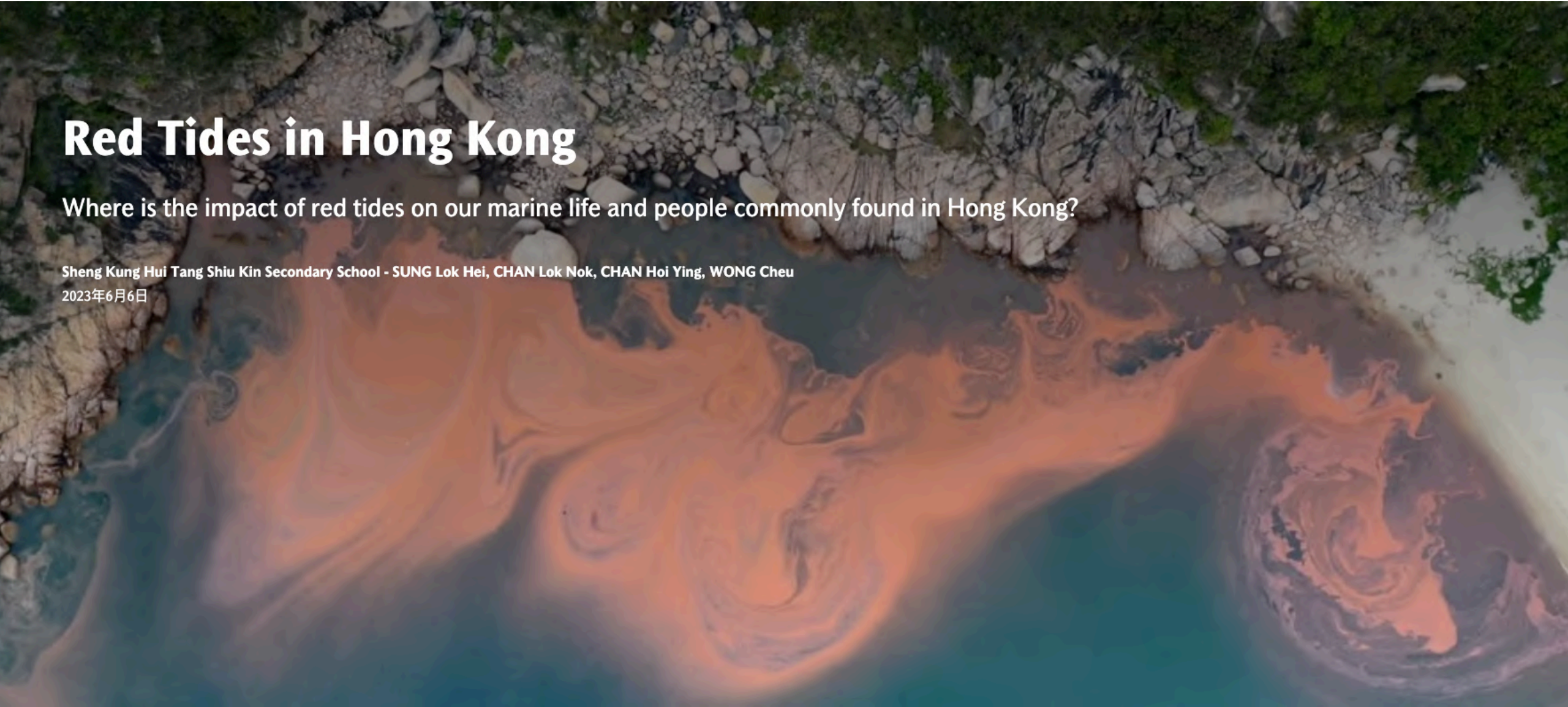
地理空間實驗室
Geospatial Lab

Member Registration

f Geospatial Lab

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