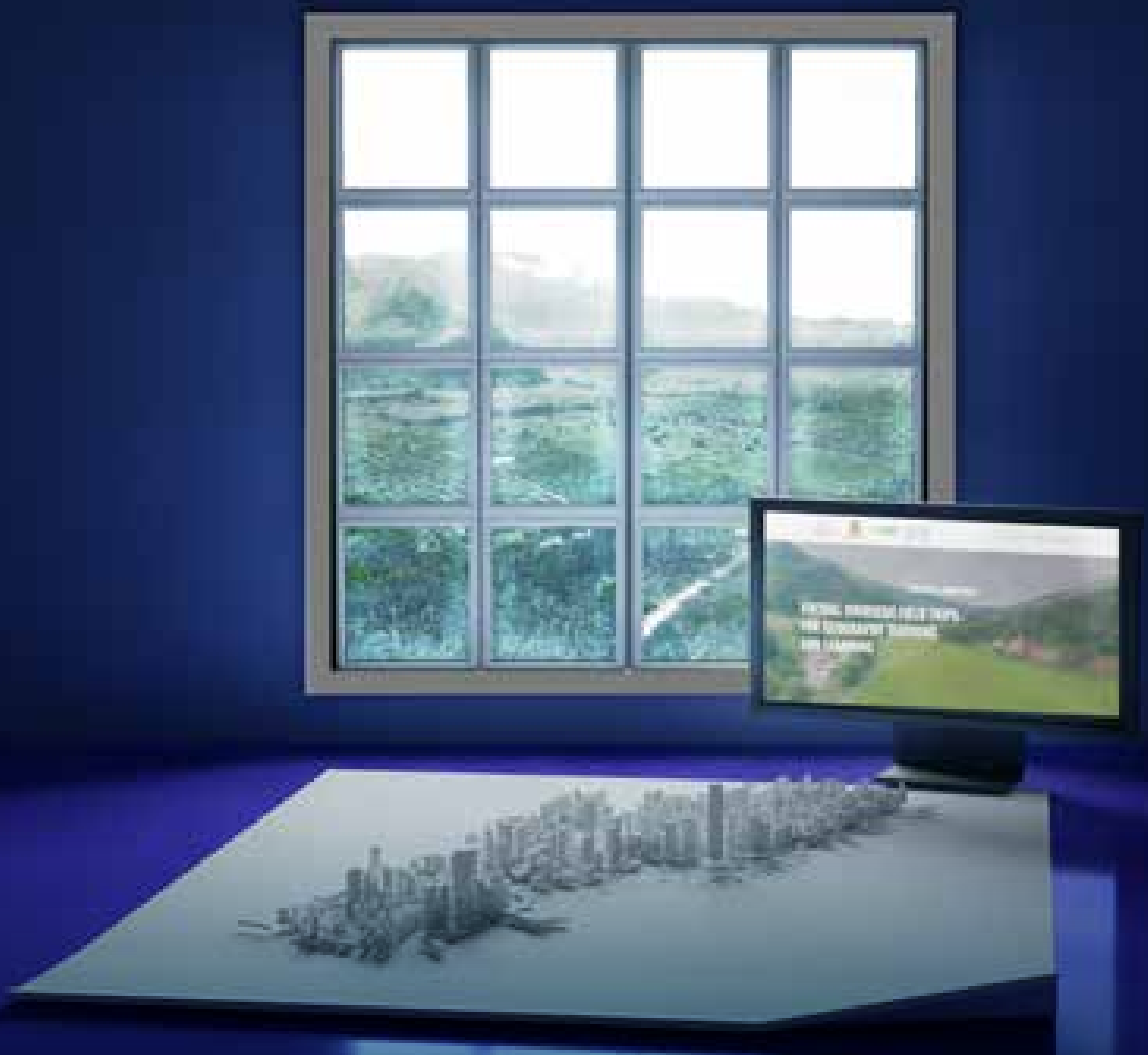
VIRTUAL OVERSEAS FIELD TRIPS FOR
GEOGRAPHY TEACHING AND LEARNING

USER GUIDE



The Virtual Overseas Field Trips for Geography Teaching and Learning Project
Funded by The Chinese University of Hong Kong and
The Second Century Fund Chulalongkorn University (C2F).

VIRTUAL OVERSEAS FIELD TRIPS FOR GEOGRAPHY TEACHING AND LEARNING

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AND LEARNING

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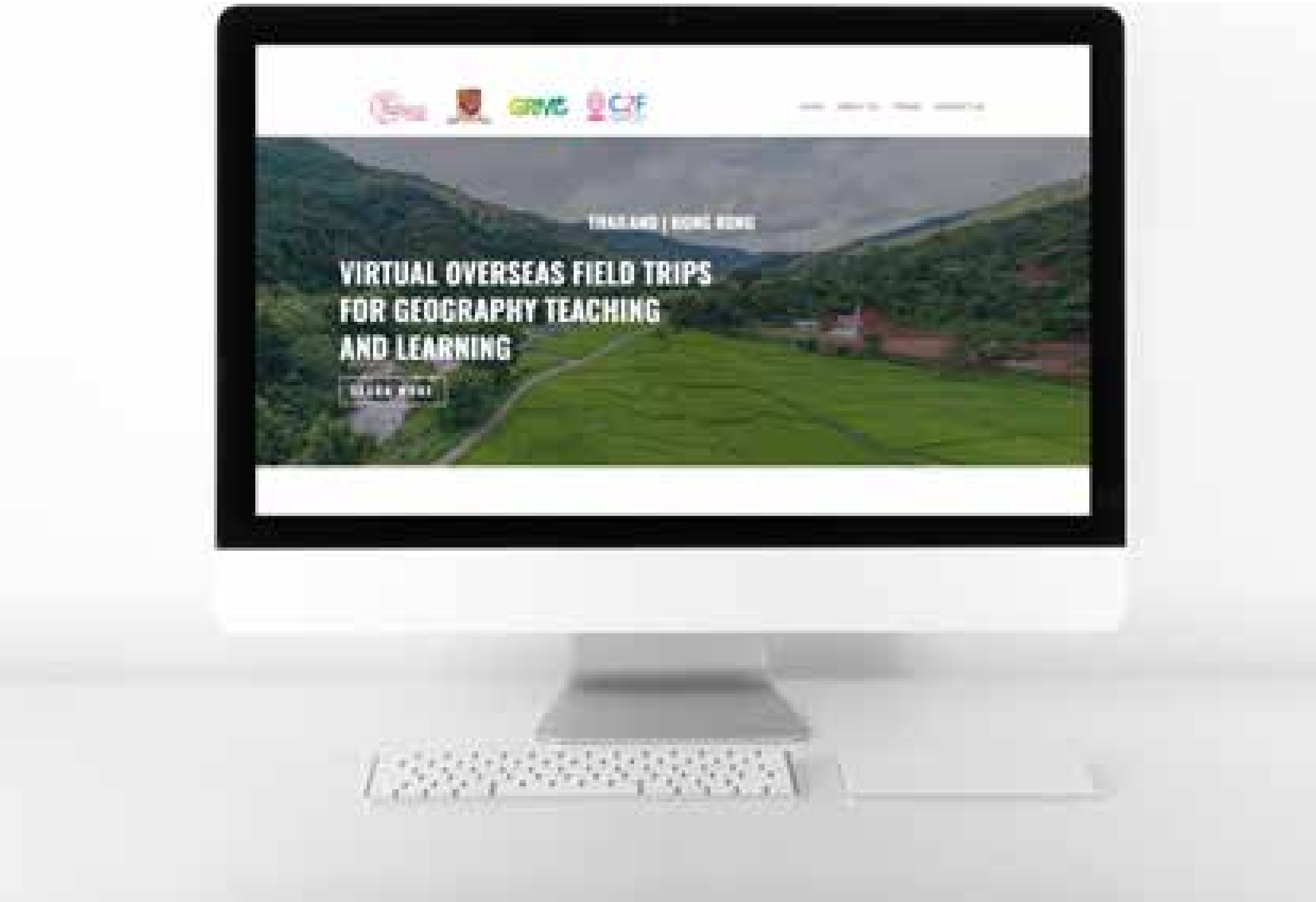
1. WEBSITE HOMEPAGE

To access the homepage, users should input the following URL in their web browser:

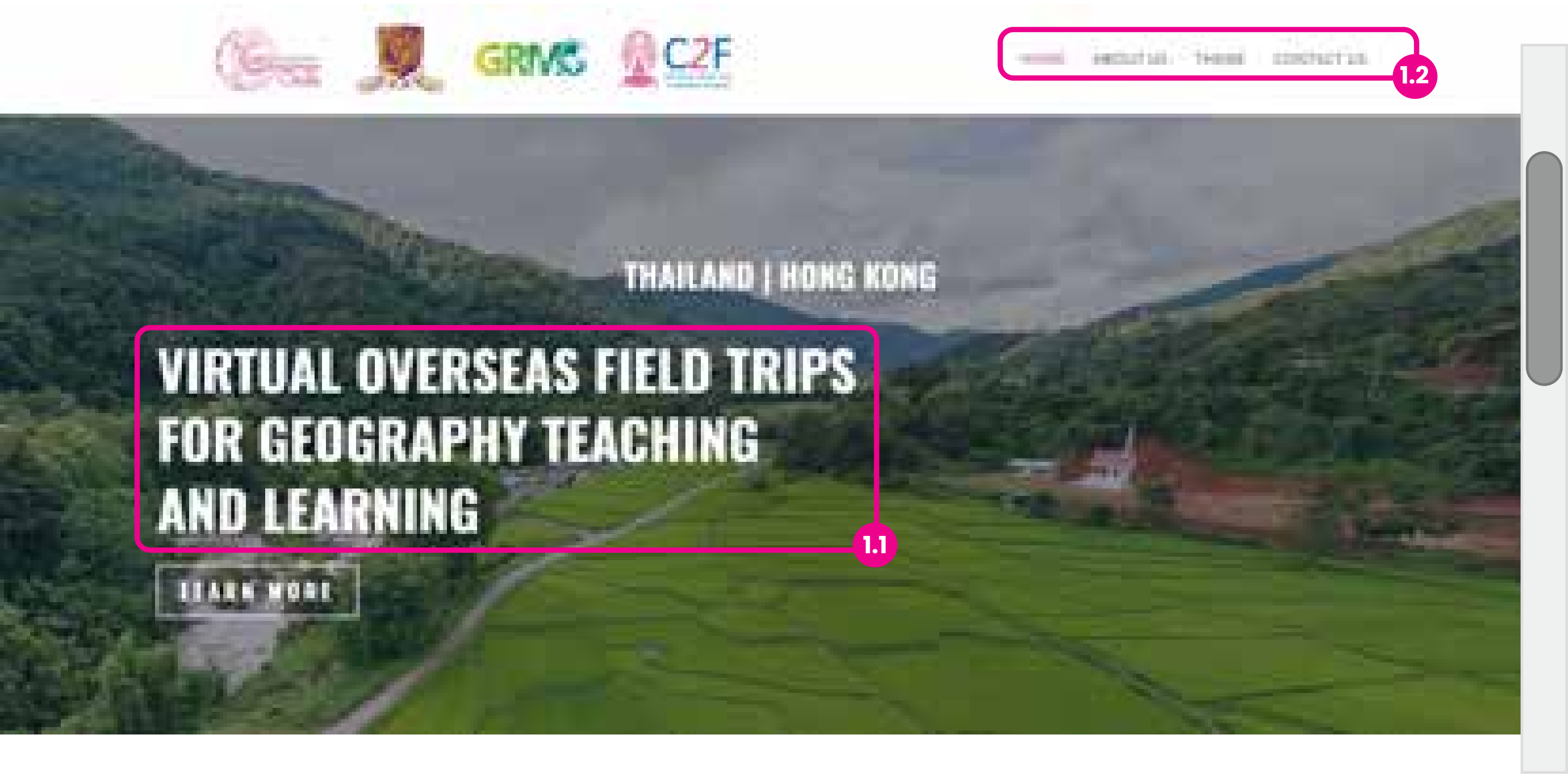
https://g7translation.com/VR360/vt-cuhk/

Upon entering the provided URL, the *homepage* will be displayed as illustrated.


THAILAND | HONG KONG
VIRTUAL OVERSEAS FIELD TRIPS FOR GEOGRAPHY TEACHING AND LEARNING
LEARN MORE

The website's homepage is organized into the following sections:

(homepage)


1.2
THAILAND | HONG KONG
VIRTUAL OVERSEAS FIELD TRIPS FOR GEOGRAPHY TEACHING AND LEARNING
1.1
LEARN MORE

1.1 PROJECT NAME 1.1

The project name, *"Virtual Overseas Field Trips for Geography Teaching and Learning,"* is prominently displayed at the center of the website page.

1.2 MENU BAR 1.2

The menu bar is situated in the top right corner of the webpage. User can easily navigate and select their desired topics by clicking on the following options within the menu bar:

> **HOME** : Redirect to the website homepage.

> **ABOUT US** : Take users to the page containing information about the project contributors of the virtual tour.

> **THEME** : Allow users to select study themes and get access to 360° virtual tours.

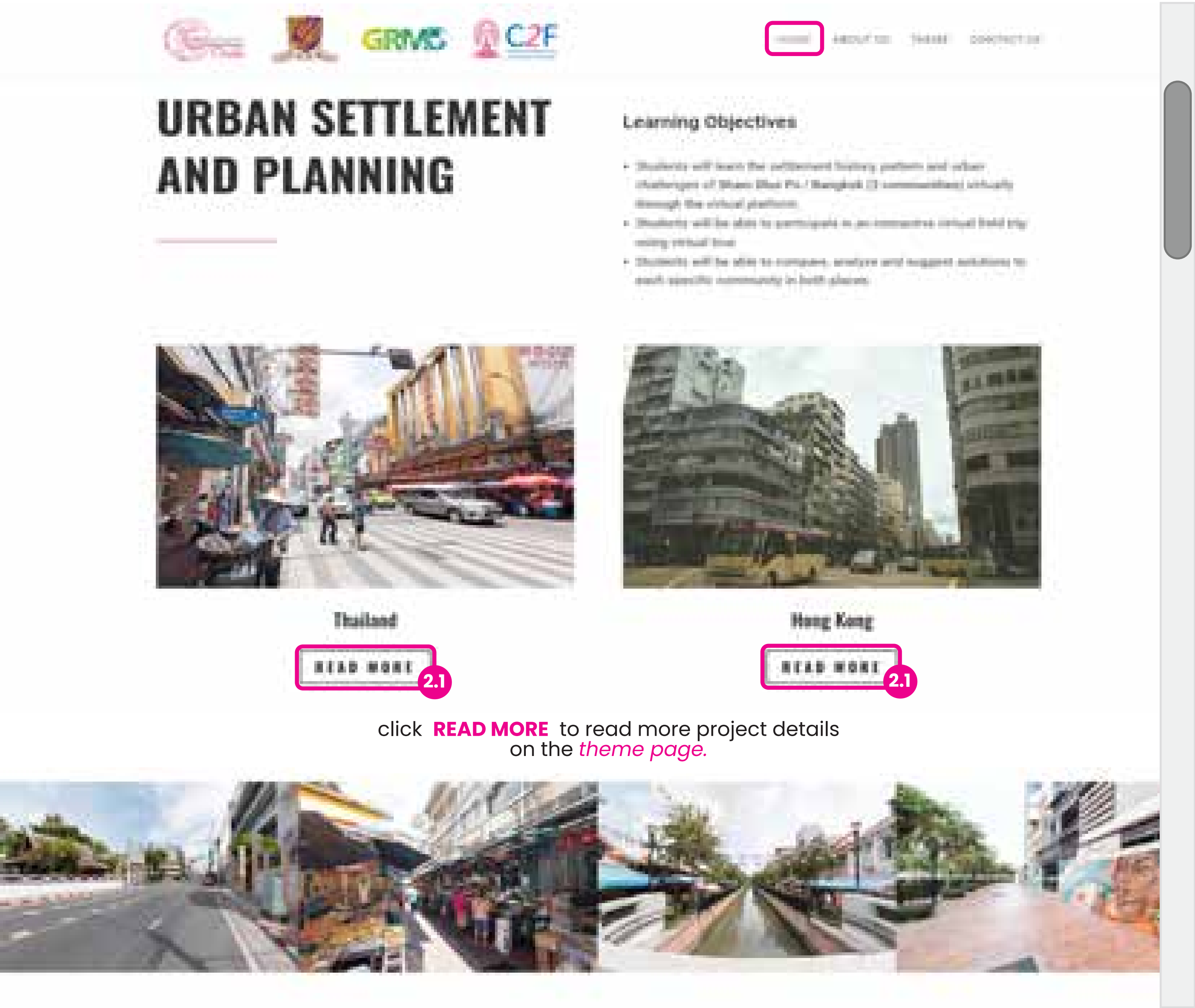
> **CONTACT US** : Direct users to the contact channel page.

2. BROWSING INFORMATION

2.1 HOMEPAGE

Users can scroll down the *homepage* to explore the learning objectives associated with each project. For more in-depth project details, users can click on the **READ MORE** ② .1 , leading them to the dedicated theme page.

(homepage)



URBAN SETTLEMENT AND PLANNING

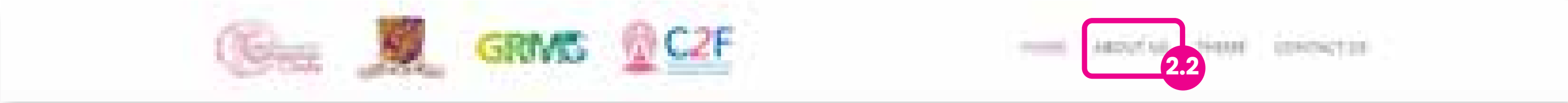
Learning Objectives

click **READ MORE** to read more project details on the *theme page.*

2.2 ABOUT US

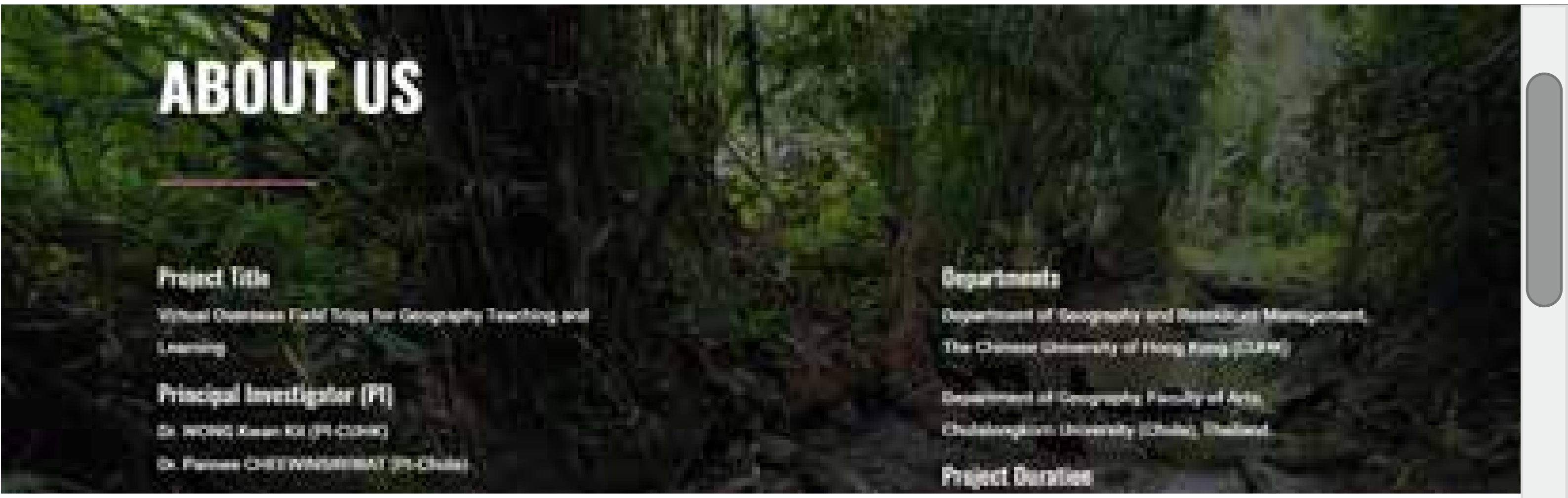
Click on **ABOUT US** 2.2 in the menu bar to be directed to the *About Us page*, where details about the project contributors and credits can be viewed.

(Menu Bar)


GRMG
C2F
HOME
ABOUT US
2.2
THEME
CONTACT US

click to navigate to *About us page*

(About us page)



Project Title

Virtual Overseas Field Trips for Geography Teaching and Learning

Principal Investigator (PI)

Dr. WONG Kwan Kit (PI-CUHK)

Dr. Pannee CHEEWINSIRIWAT (PI-Chula)

Departments

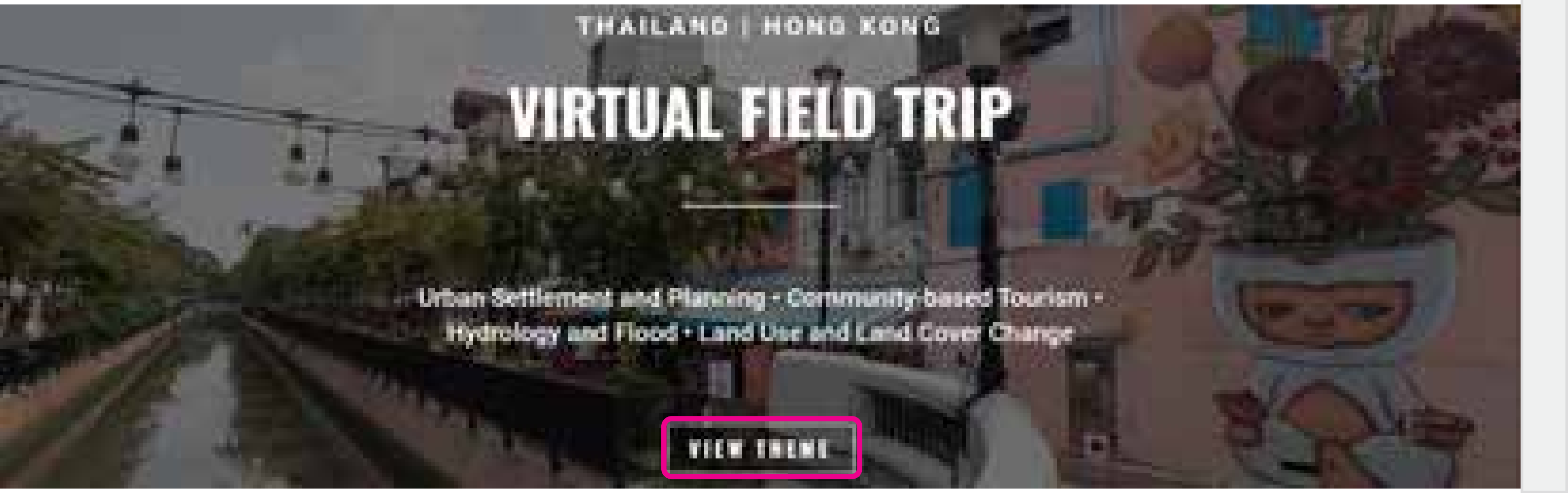
Department of Geography and Resource Management, The Chinese University of Hong Kong (CUHK)

Department of Geography Faculty of Arts, Chulalongkorn University (Chula), Thailand

Project Duration

⋮

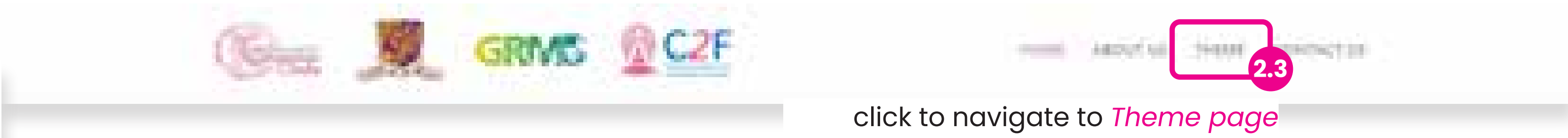
Towards the bottom of the page, users can click on **VIEW THEME** *to navigate to the Theme page.*


THAILAND | HONG KONG
VIRTUAL FIELD TRIP
Urban Settlement and Planning • Community-based Tourism •
Hydrology and Flood • Land Use and Land Cover Change
VIEW THEME

2.3 THEME

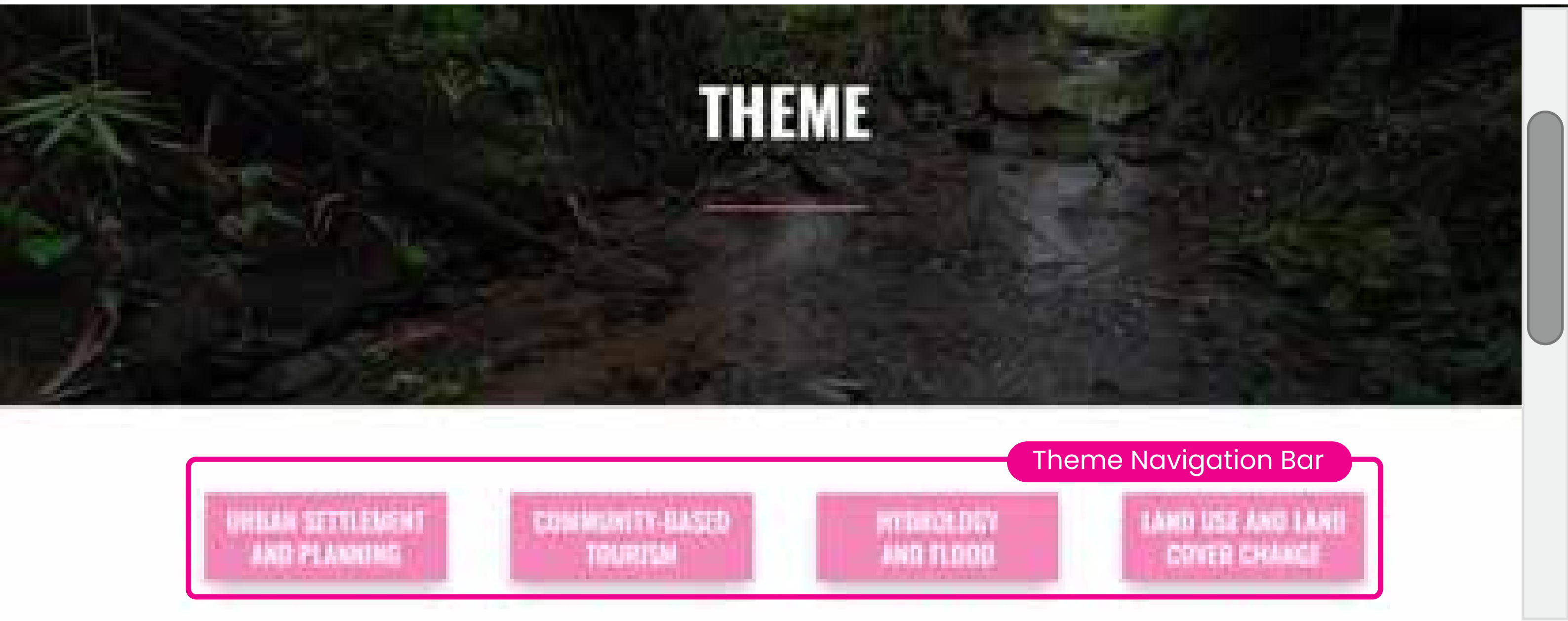
To access the Theme page, users can click on **THEME** 2.3 in the menu bar. Once on the *Theme page*, a theme content bar will be visible, allowing users to select their desired topics by clicking on them.

(Menu Bar)


GRMS
C2F
HOME
ABOUT US
THEME
CONTACT US
2.3

click to navigate to *Theme page*

(Theme Page)

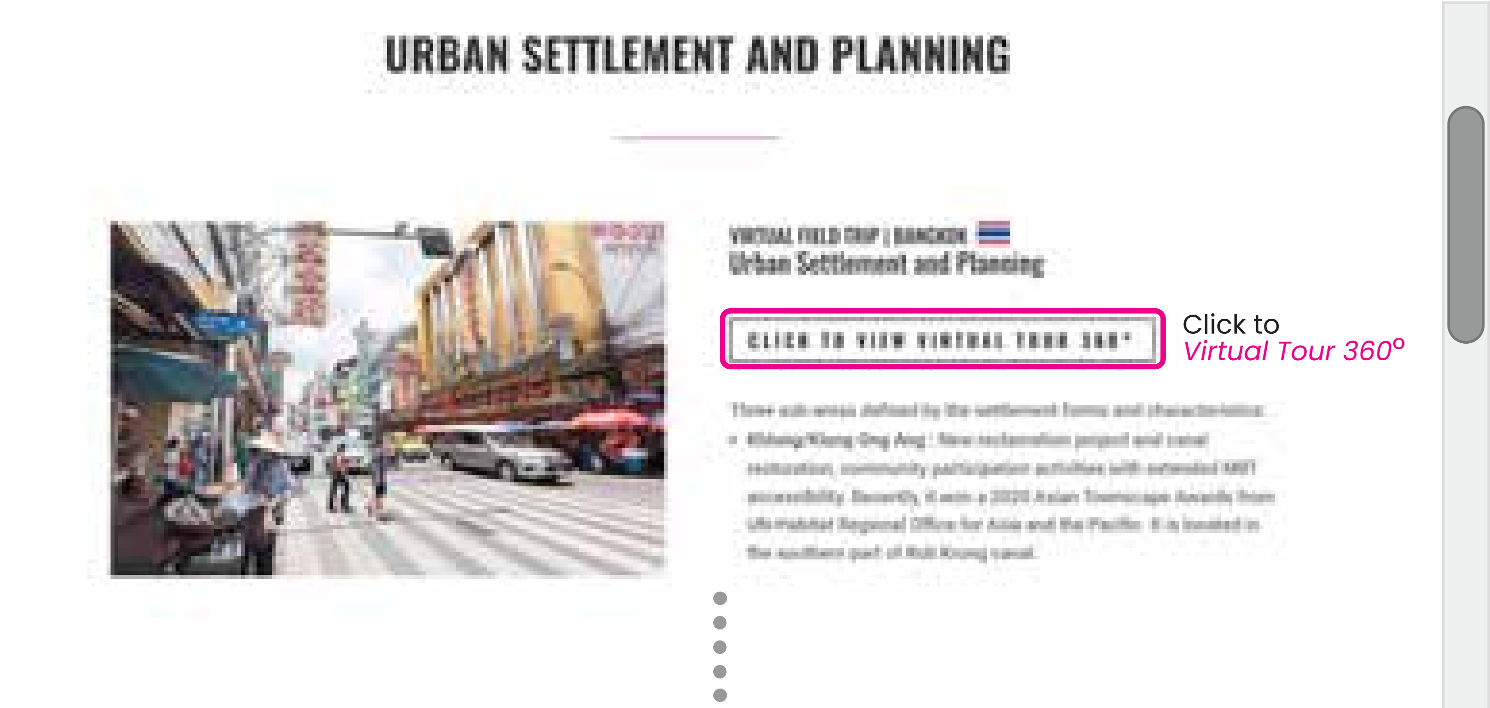

THEME
Theme Navigation Bar
URBAN SETTLEMENT AND PLANNING
COMMUNITY-BASED TOURISM
HYDROLOGY AND FLOOD
LAND USE AND LAND COVER CHANGE

The Four Themes:

- **URBAN SETTLEMENT AND PLANNING**
- **COMMUNITY-BASED TOURISM (CBT)**
- **HYDROLOGY AND FLOOD**
- **LAND USE AND LAND COVER CHANGE**

Upon selecting a theme by clicking on the project's theme, users can access more in-depth project details. Furthermore, users have the option to click on **CLICK TO VIEW VIRTUAL TOUR 360°** to experience a virtual tour of each location in Thailand and Hong Kong.

(Theme Page)



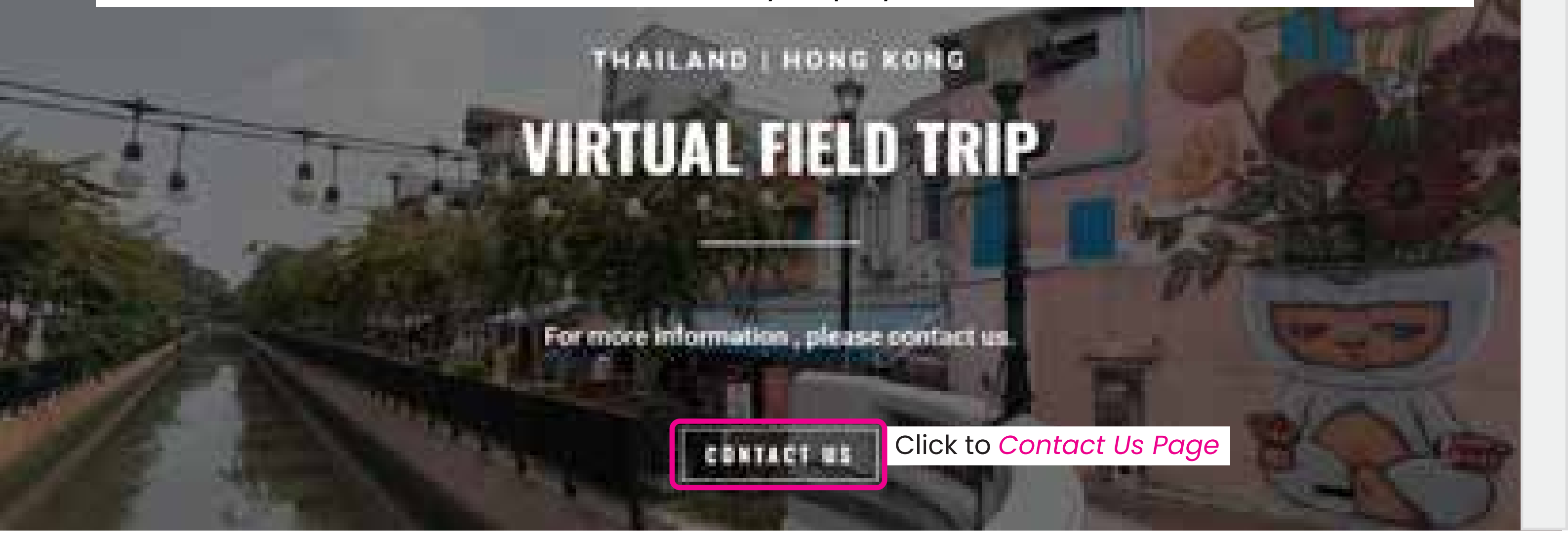
URBAN SETTLEMENT AND PLANNING

VIRTUAL FIELD TRIP | BANGKOK

Urban Settlement and Planning

Click to *Virtual Tour 360°*

At the bottom of the page, users can click **CONTACT US** to contact with us for any inquiry



THAILAND | HONG KONG

VIRTUAL FIELD TRIP

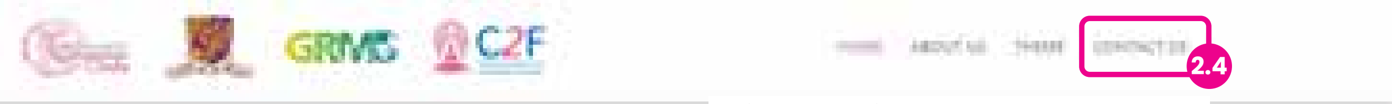
For more information , please contact us

Click to *Contact Us Page*

2.4 CONTACT US

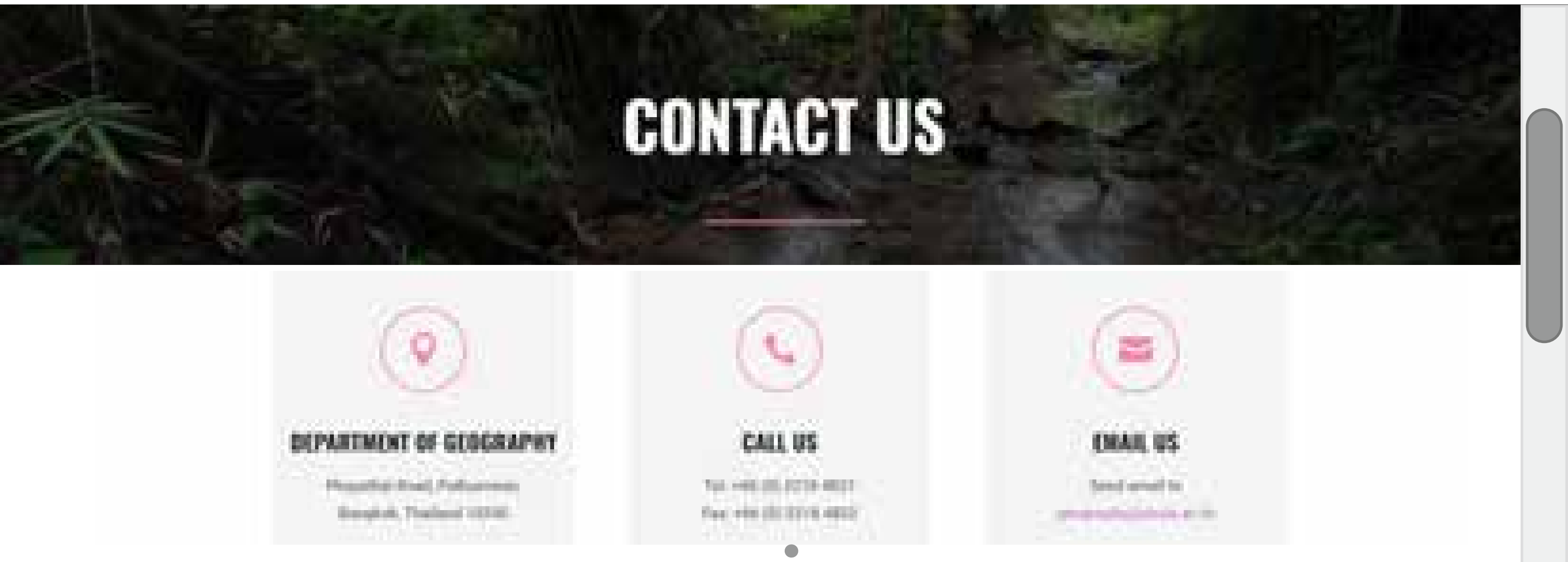
To access contact information for the project owner, users can click on **CONTACT US** 2.4 in the menu bar. Upon selecting this option, users will be directed to the *Contact Us page.* By scrolling down the page, users can find contact address and methods.

(Menu Bar)

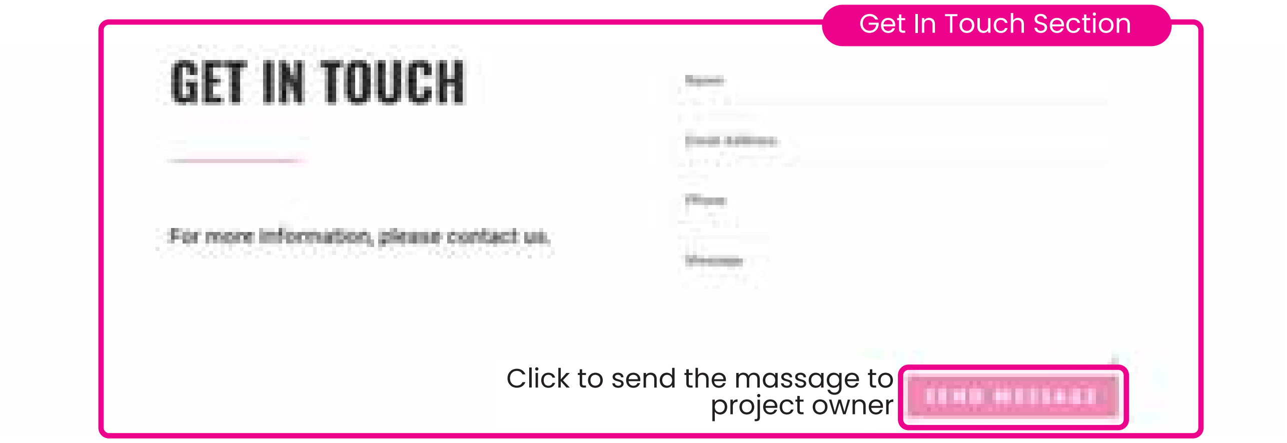


click to navigate to *Contact Us page*

(Contact Us Page)


CONTACT US
DEPARTMENT OF GEOGRAPHY
CALL US
EMAIL US

Towards the bottom of the page, there is a **GET IN TOUCH** section where users can input their Name, Email Address, Phone Number, and leave a message, to us by clicking **SEND MESSAGE**.


Get In Touch Section
GET IN TOUCH
Name
Email Address
Phone
Message
SEND MESSAGE

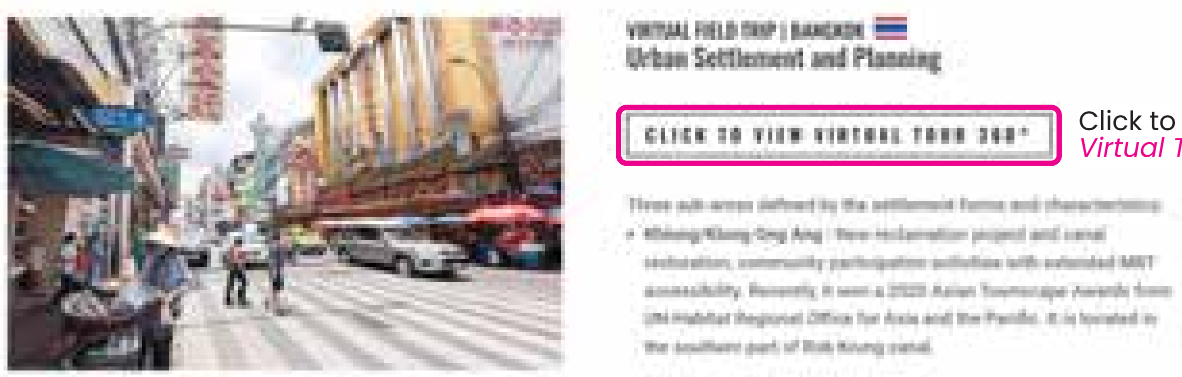
For more information, please contact us.

Click to send the massage to project owner

3. OPERATIONAL INTERFACE OF THAILAND VIRTUAL TOUR

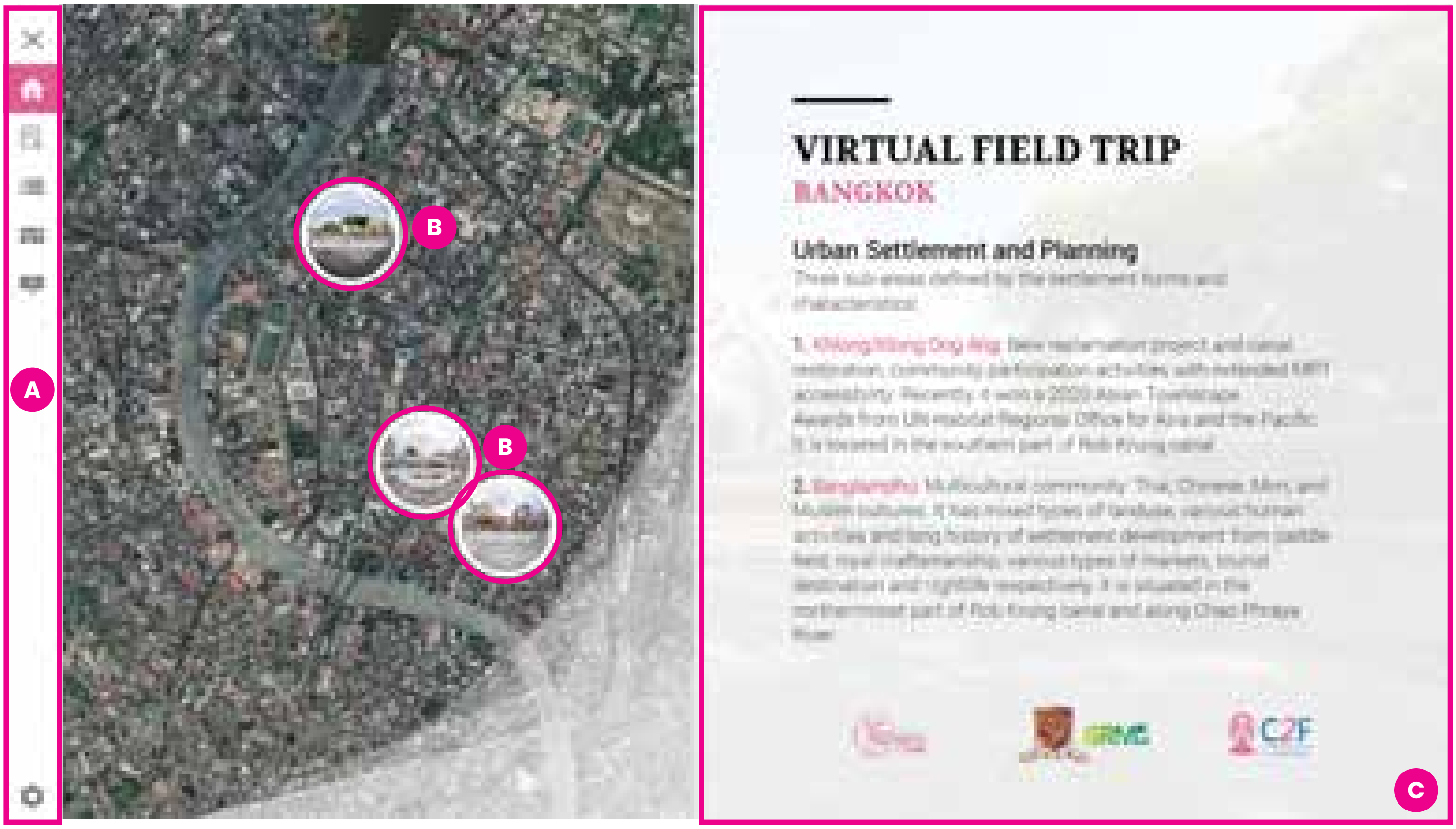
After choosing in theme and the place user wants to visit, clicking **CLICK TO VIEW VIRTUAL TOUR 360°** to open the *Virtual Map* in a new tab.

(Theme Page)


VIRTUAL FIELD TRIP | BANGKOK
Urban Settlement and Planning
CLICK TO VIEW VIRTUAL TOUR 360°

Click to *Virtual Tour 360°*

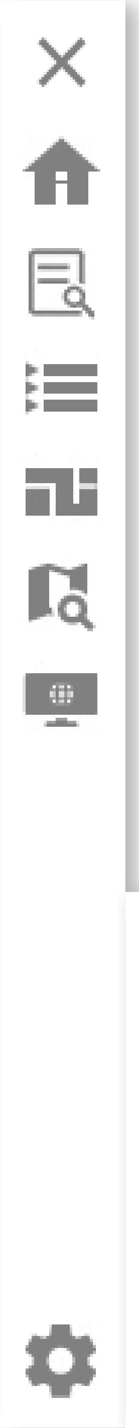
(Virtual Map / Home Tap)


B
B
A
VIRTUAL FIELD TRIP
BANGKOK
Urban Settlement and Planning
C

A *Map management tools* **B** *Study Area Icon* **C** *Theme Details*

3.1 MAP MANAGEMENT TOOLS

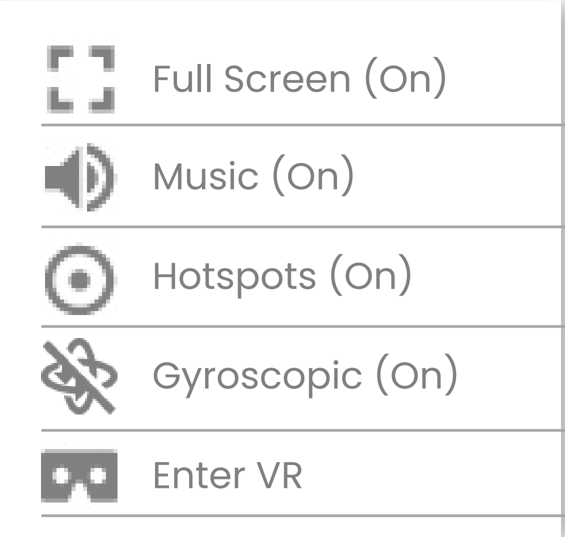
Users have the option to click on ☰ to display various tools. These tools are accessible on the sidebar on the left side of the webpage. The functionality and instructions are shown below :



CLOSE	Click to close *map management tools tab*
HOME	Click to go back to *Virtual Field Trip Details*
ASSIGNMENT	Click to do *an Assignment*
PANORAMA LIST	Click to choose place you want to visit
FLOOR PLAN	Click to view checkpoint on *floor plan*
MAP	Click to view *Google Map* of this place
DEPARTMENT HOMEPAGE	Click to visit *Department Homepage*

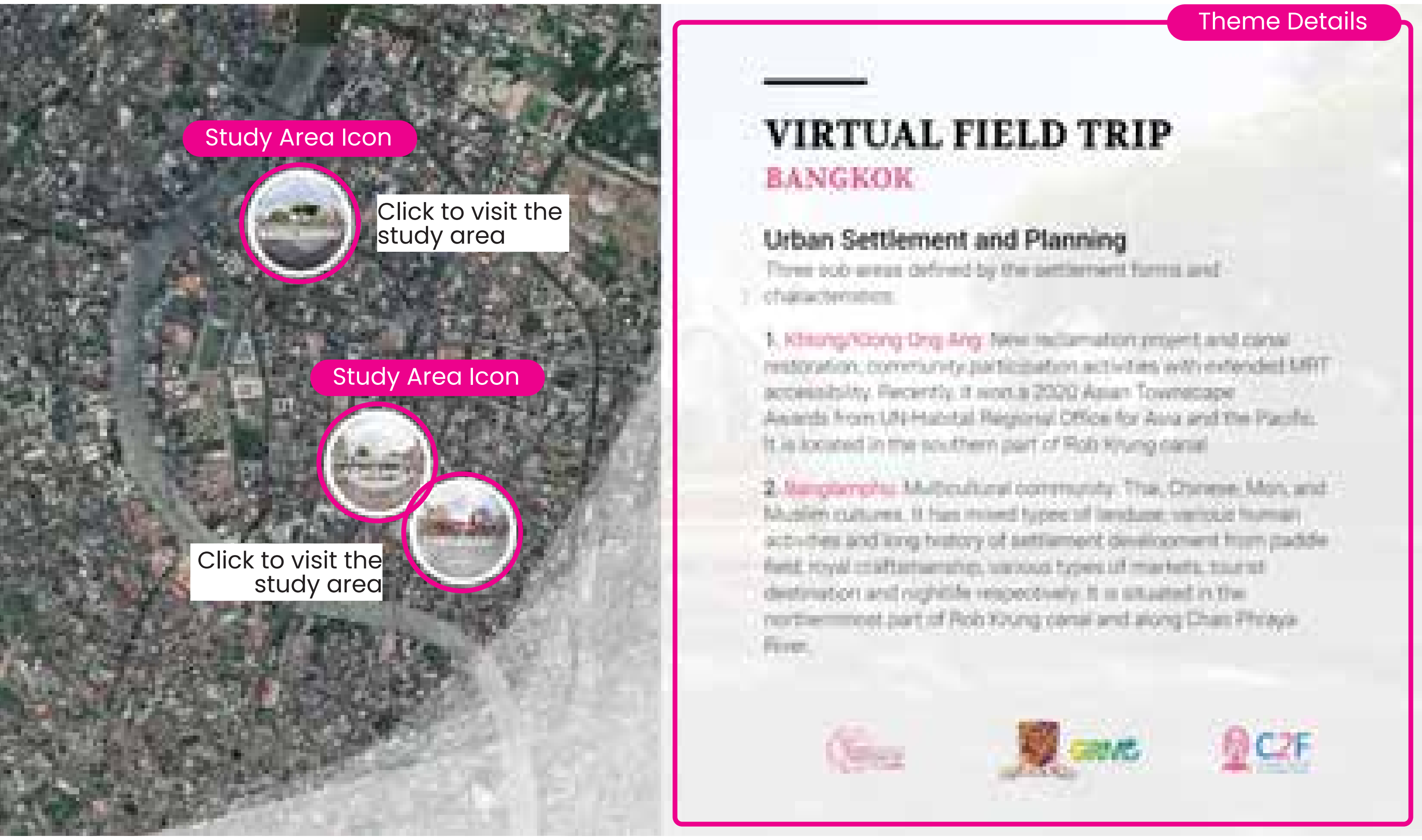
VIRTUAL TOUR SETTING

Click **VIRTUAL TOUR SETTING** to



Full Screen (On)	Set up Fullscreen (On/Off)
Music (On)	Set up Background Music (On/Mute)
Hotspots (On)	Set up Hotspot icon on map (On/Off)
Gyroscopic (On)	Set up Gyroscopic (On/Off)
Enter VR	Enter VR device

(Virtual Map / Home Tap)



VIRTUAL FIELD TRIP
BANGKOK

Urban Settlement and Planning

Three sub areas defined by the settlement forms and characteristics.

1. Khlong/Klong Ong Ang: New reclamation project and canal restoration, community participation activities with extended MRT accessibility. Recently, it won a 2020 Asian Townscape Awards from UN-Habitat Regional Office for Asia and the Pacific. It is located in the southern part of Rob Krung canal.

2. [illegible]: Multicultural community. Thai, Chinese, Mon, and Muslim cultures. It has mixed types of landuse, various human activities and long history of settlement development from paddle field, royal craftsmanship, various types of markets, tourist destination and nightlife respectively. It is situated in the northernmost part of Rob Krung canal and along Chao Phraya River.

3.2 STUDY AREA ICONS

To select a study area for exploration, users can click on the icon represented by **A CIRCLE PHOTO.**

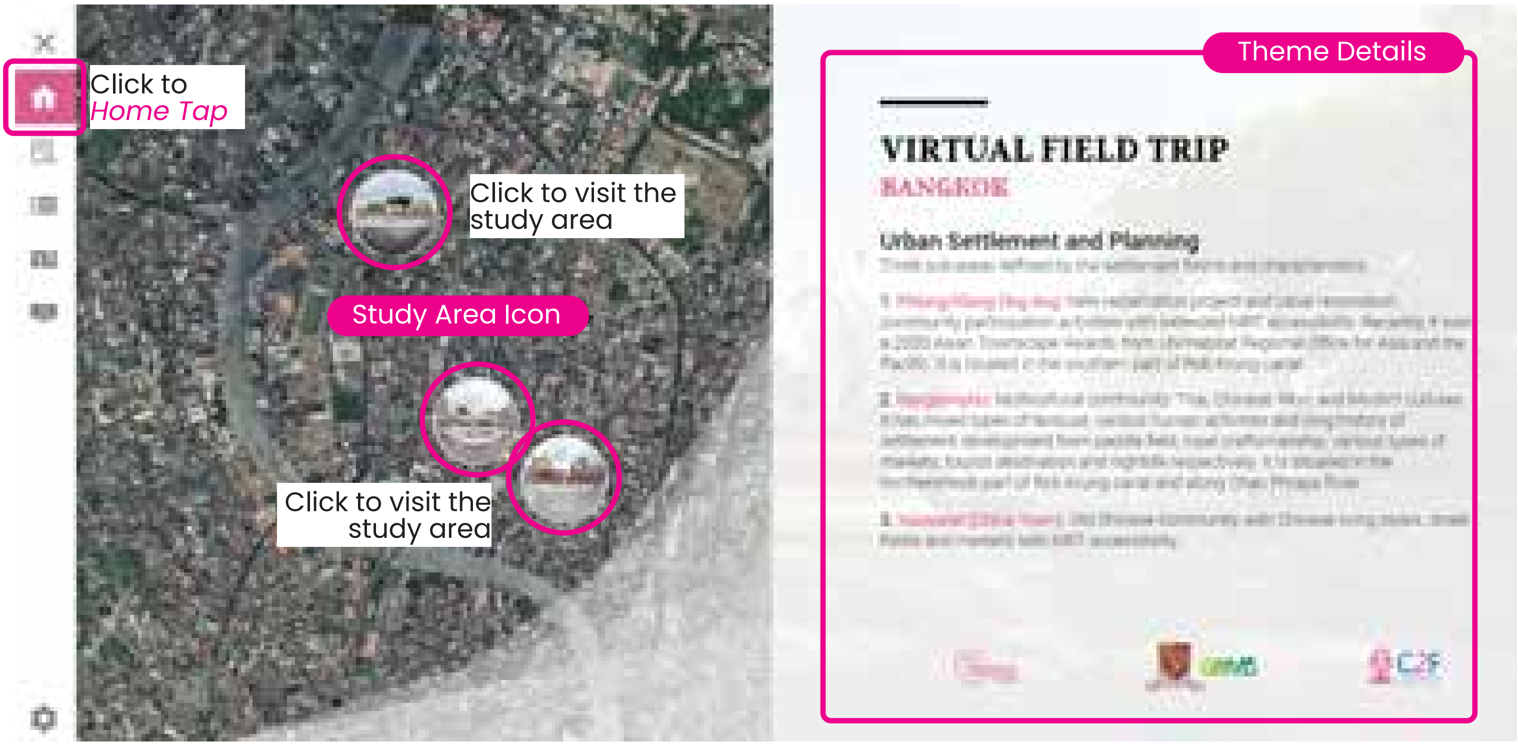
3.3 THEME DETAILS

This area reveals the specific details of the study area within each theme.

3.4 MAP MANAGEMENT TOOLS TABS

3.4.1 HOME TAB

(Virtual Map / Home Tap)

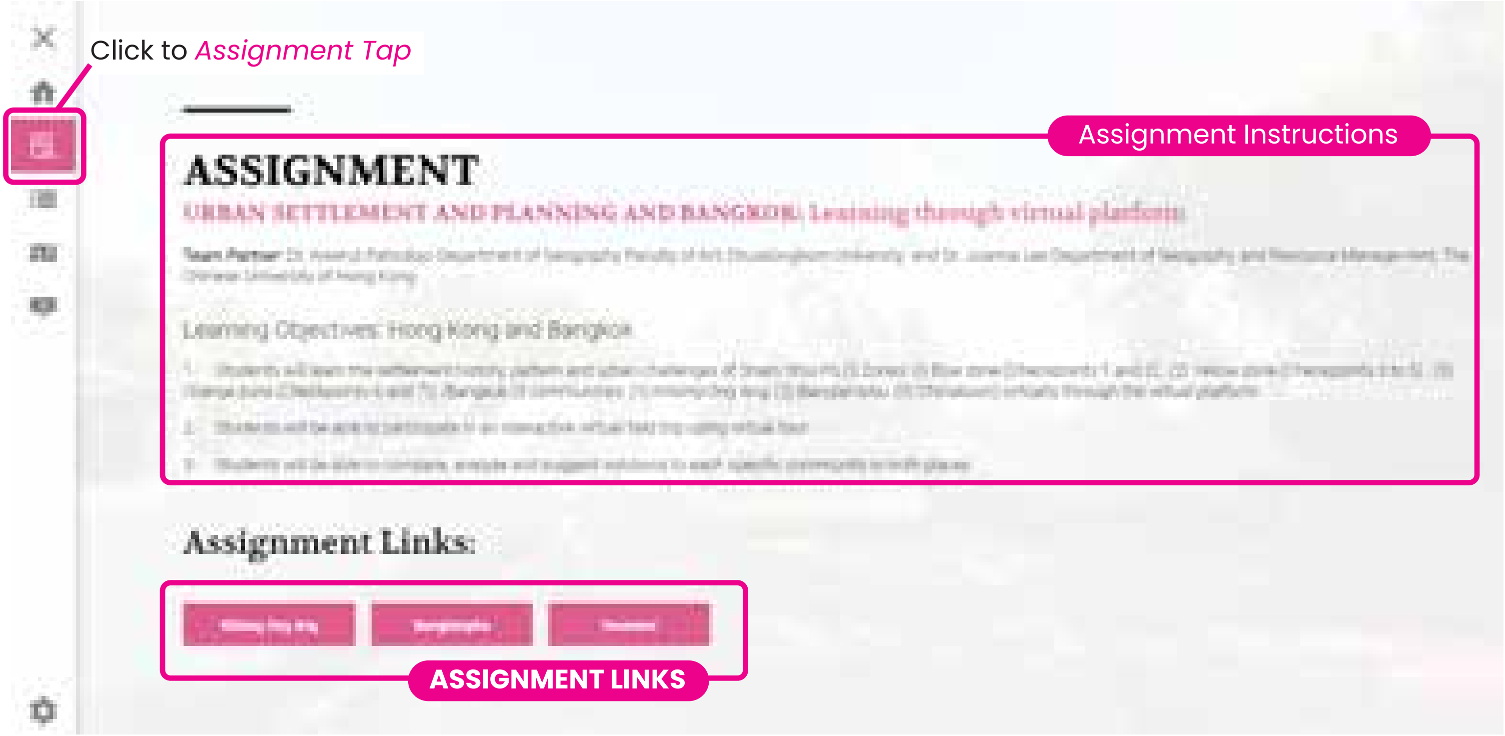

Click to *Home Tap*
Click to visit the study area
Study Area Icon
Click to visit the study area
Theme Details

VIRTUAL FIELD TRIP
BANGKOK
Urban Settlement and Planning

To choose a place to visit, users can click on the circle corresponding to each location displayed on the map. Subsequently, they can read the details of the theme on the right side of the screen.

3.4.2 ASSIGNMENT TAB

(Virtual Map / Assignment Tap)



Click to *Assignment Tap*

Assignment Instructions

ASSIGNMENT

URBAN SETTLEMENT AND PLANNING AND BANGKOK: Learning through virtual platform

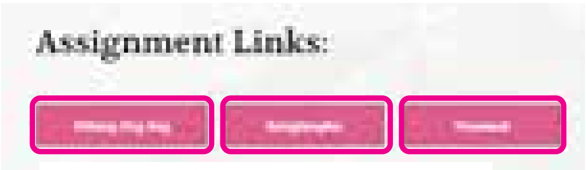
Learning Objectives: Hong Kong and Bangkok

Assignment Links:

ASSIGNMENT LINKS

Users can initiate the assignment process by clicking on the **ASSIGNMENT ICON** located on the left slidebar. Prior to commencing the assignment, users have the option to review the assignment instructions provided at the top of the page.

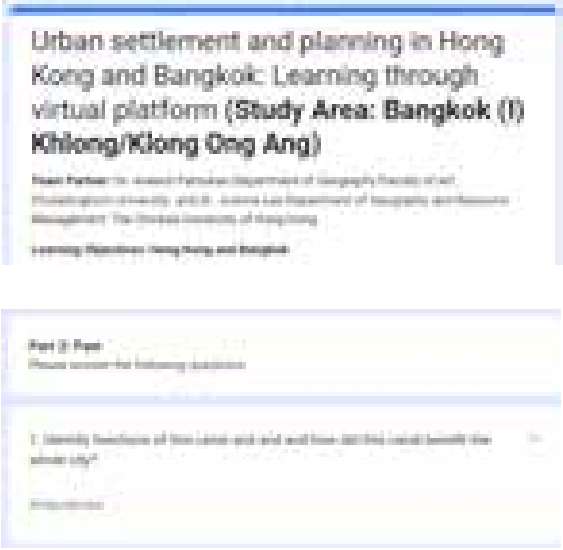
(Virtual Map / Assignment Tap)



Assignment Links:

Click to *Assignment Form*

(Assignment Form)



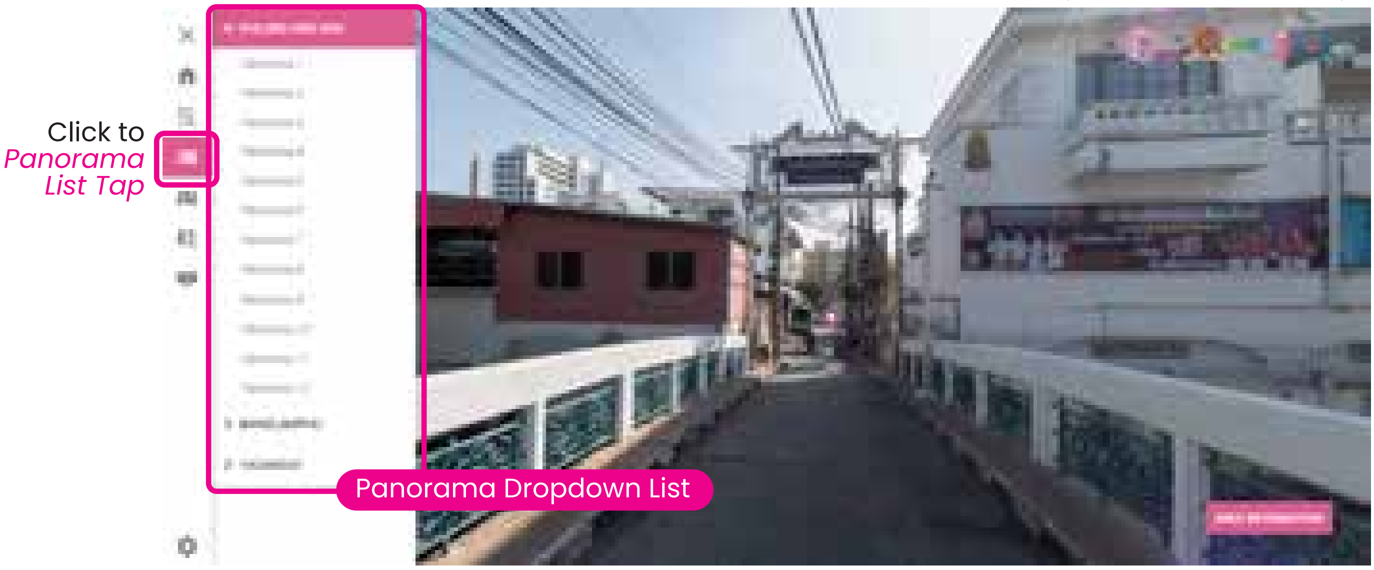
Urban settlement and planning in Hong Kong and Bangkok: Learning through virtual platform **(Study Area: Bangkok (I) Khlong/Klong Ong Ang)**

After reviewing the details, users can proceed by clicking the button within the assignment links located at the bottom of the page. This action allows users to select the specific place where they would like to complete the assignment.

3.4.3 PANORAMA LIST TAB

Users can access the panorama view of each checkpoint by clicking on **PANORAMA LIST** in the left slidebar. Furthermore, they can choose the desired place and checkpoint to visit by clicking on the respective options available in the *panorama dropdown list.*

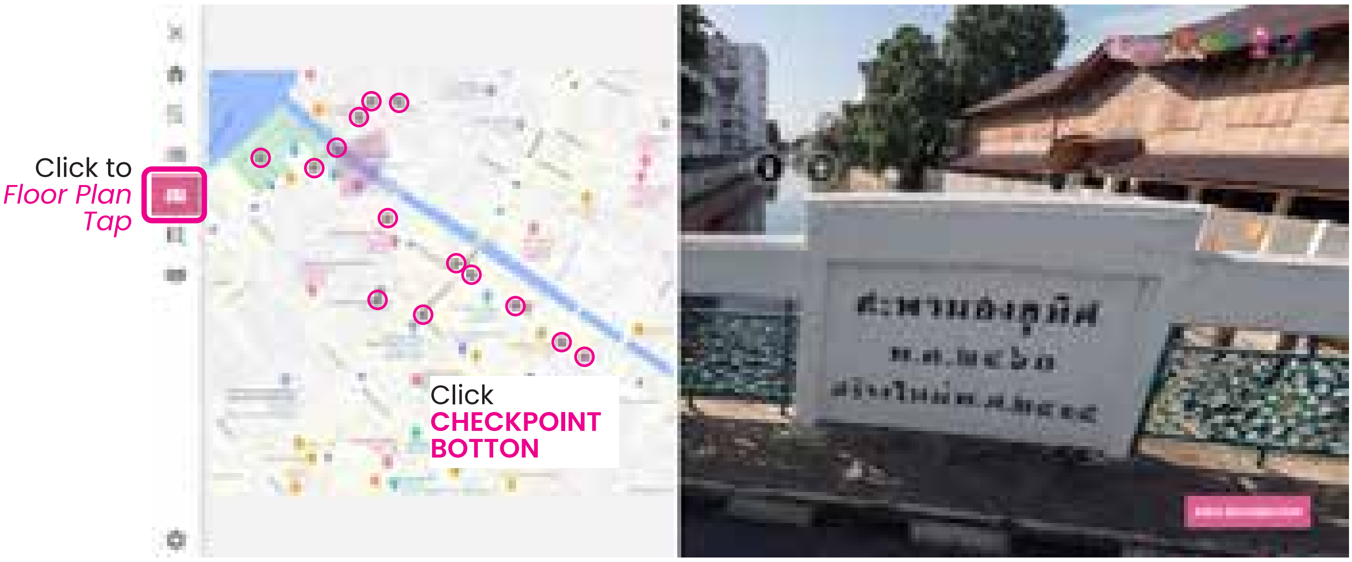
(Virtual Map / Panorama List Tap)


Click to
Panorama
List Tap
Panorama Dropdown List

3.4.4 FLOOR PLAN TAB

To view all checkpoints, users can click on **FLOOR PLAN** in the left slidebar. In the floor plan window, users can see every checkpoint available and click to choose the specific checkpoint they want to visit.

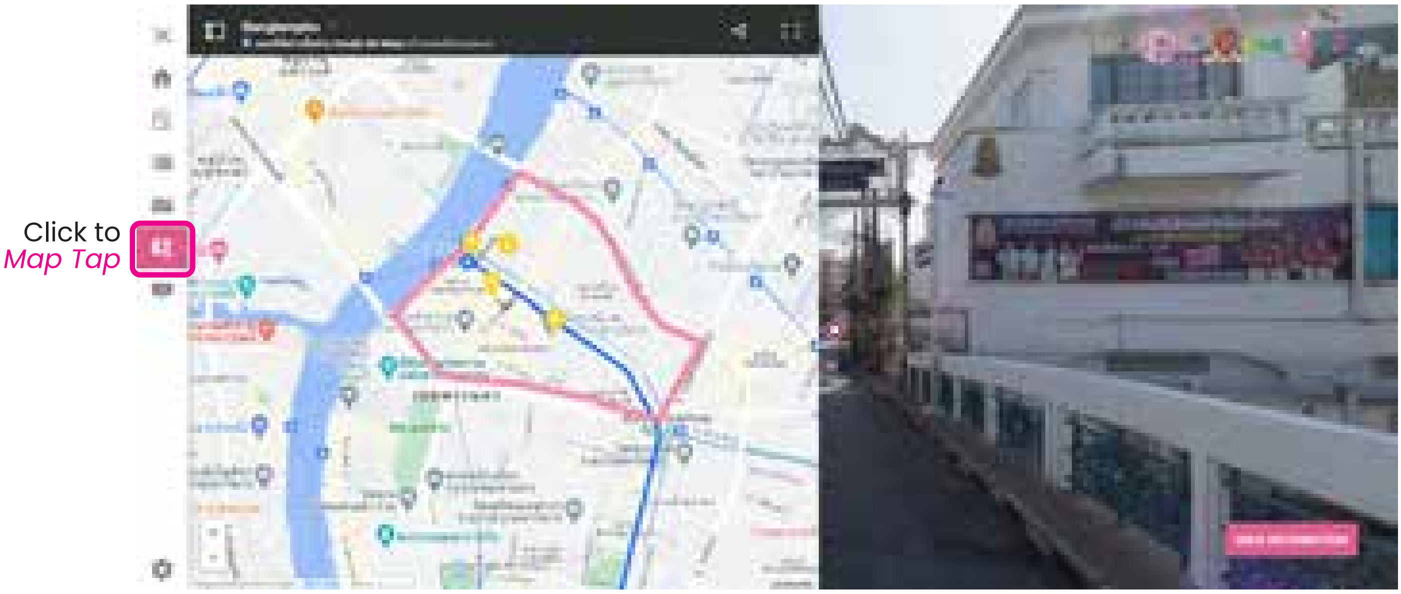
(Virtual Map / Floor Plan Tap)


Click to
Floor Plan
Tap
Click
CHECKPOINT
BOTTON

3.4.5 MAP TAB

To view the *Google Map* of the place being visited, users can click on **MAP** in the left slidebar.

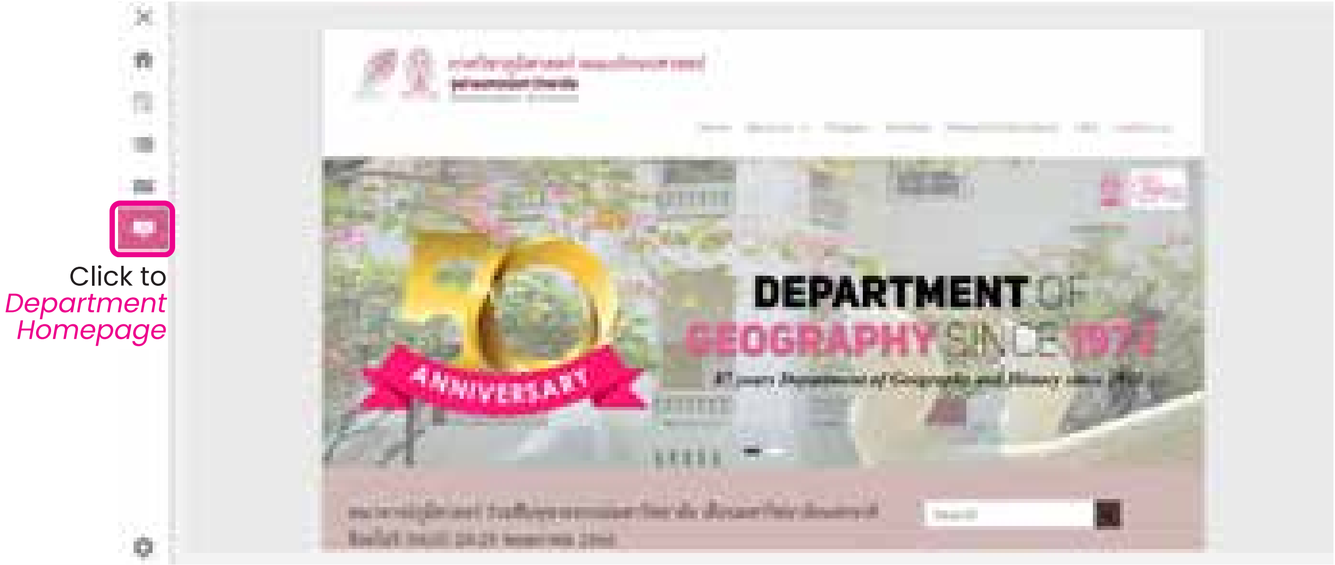
(Virtual Map / Map Tap)


Click to
Map Tap

3.4.6 DEPARTMENT HOMEPAGE

To visit the *department homepage*, users can click on **DEPARTMENT HOMEPAGE** in the left slidebar.

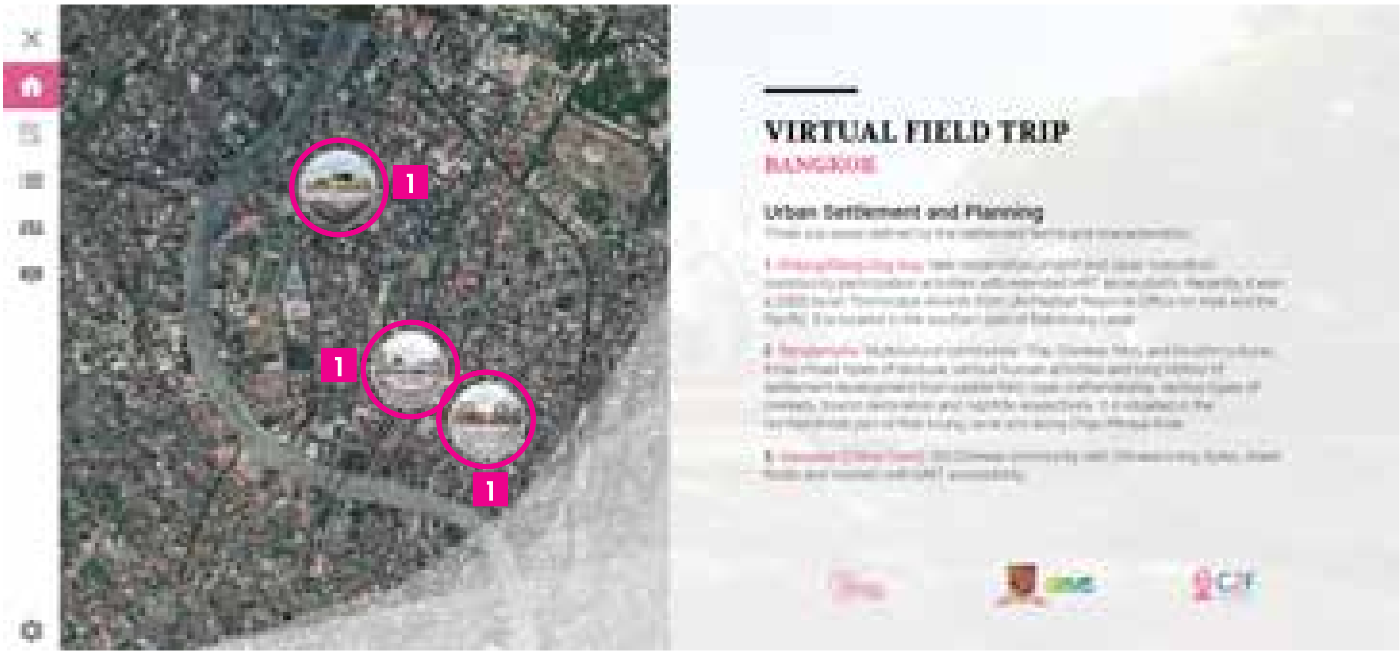
(Virtual Map / Department Homepage)


Click to
Department Homepage
50
ANNIVERSARY
DEPARTMENT OF
GEOGRAPHY SINCE 1972

4. CONTENTS IN THAILAND VIRTUAL TOUR

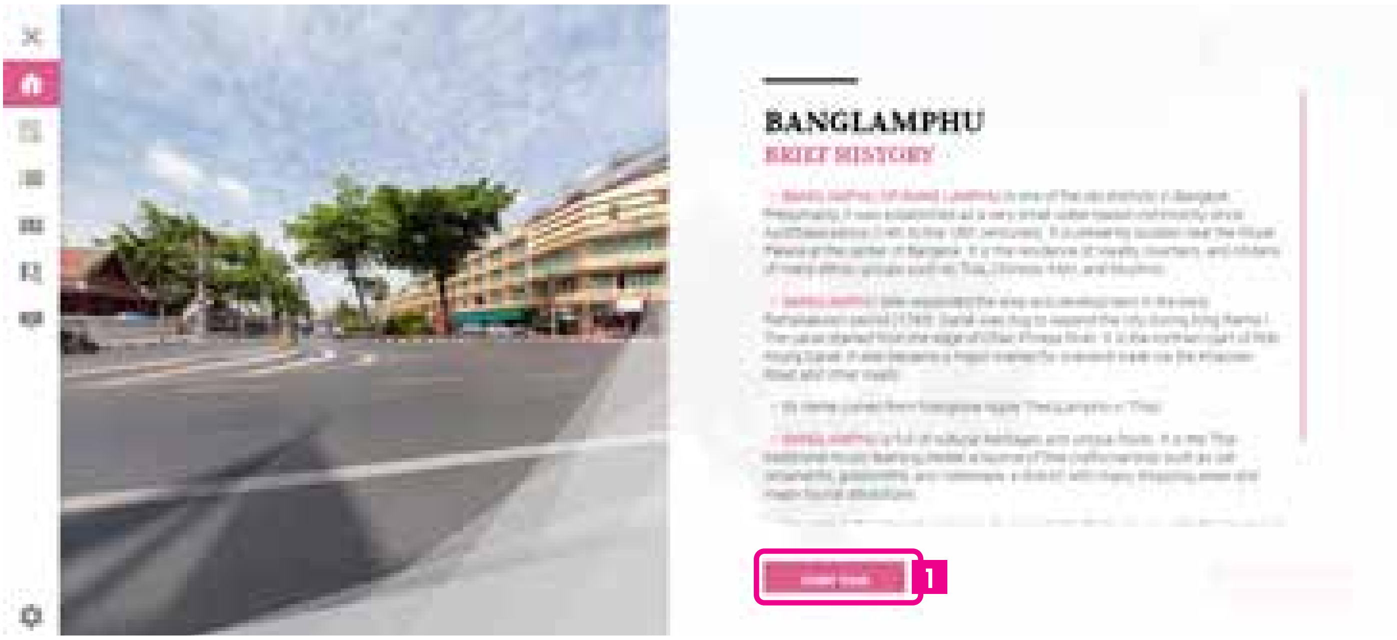
After clicking Click **TO VIEW VIRTUAL TOUR 360°**, the *Virtual Map window* will appear.

(Virtual Map / Home)



VIRTUAL FIELD TRIP
BANGKOK
Urban Settlement and Planning

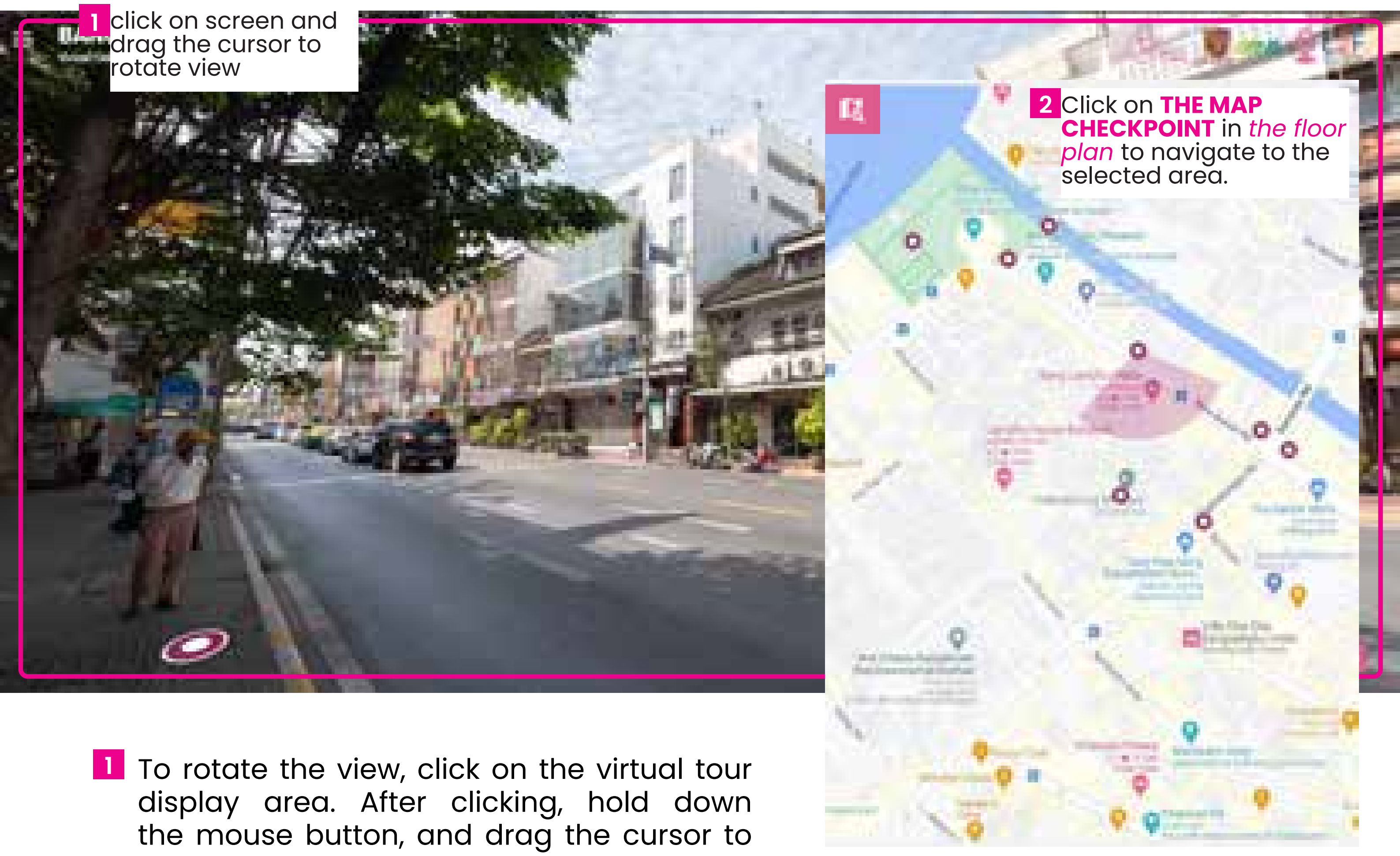
(Virtual Map / Study Area)



BANGLAMPHU
BRIEF HISTORY

1 Users can select the place they wish to visit by clicking on **THE CIRCLE CORRESPONDING** to each location displayed on the map. Following this selection, users can initiate the tour by clicking on **START TOUR** to view the street view of the chosen place.

4.1 NAVIGATION

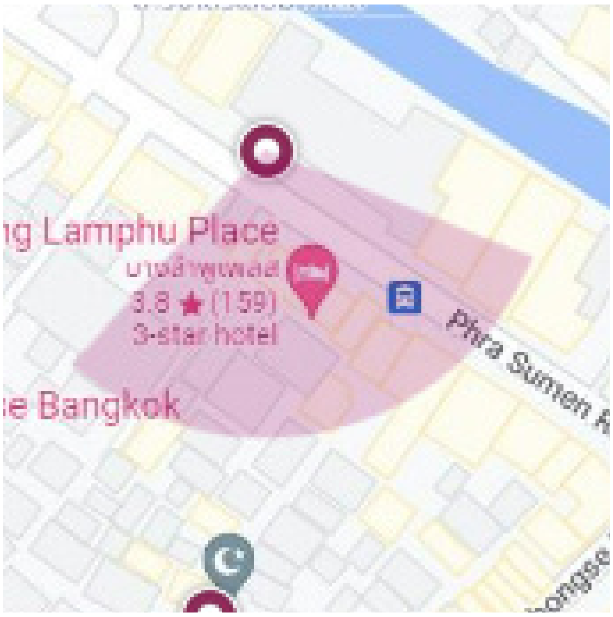


1 click on screen and drag the cursor to rotate view

2 Click on **THE MAP CHECKPOINT** in *the floor plan* to navigate to the selected area.

1 To rotate the view, click on the virtual tour display area. After clicking, hold down the mouse button, and drag the cursor to rotate the camera view of the virtual tour.

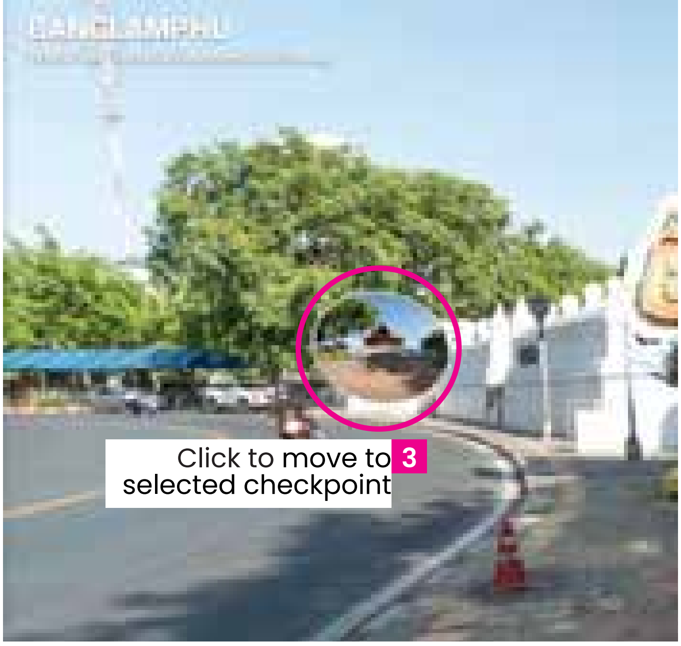
2 To navigate to a pinned location on **THE FLOOR PLAN**, user can click on the checkpoint icon corresponding to the desired place. This action will guide them to the specified location.



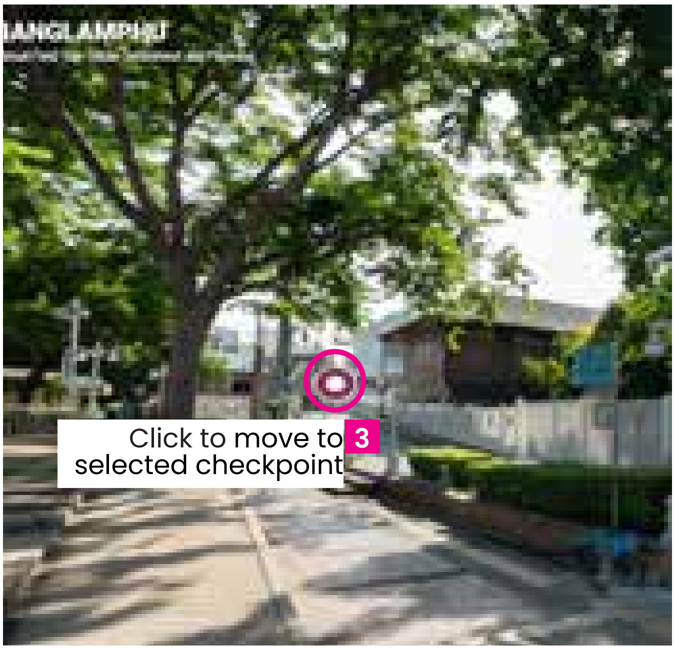
In *the floor plan* , the pink "fan" shape denotes the camera's view zone "and direction" in the virtual tour.

3 To navigate to *the next checkpoint,* users can click on either **THE POINT** ◉ or **THE CIRCLE OF THE PICTURE** on the map.

(Virtual Map / Street View)

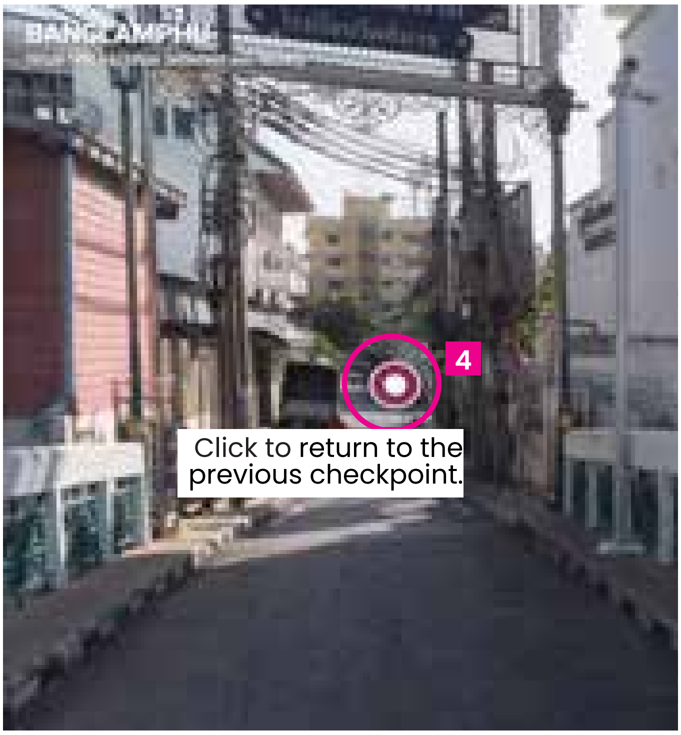

BANGLAMPHU
Click to move to 3
selected checkpoint

(Virtual Map / Street View)

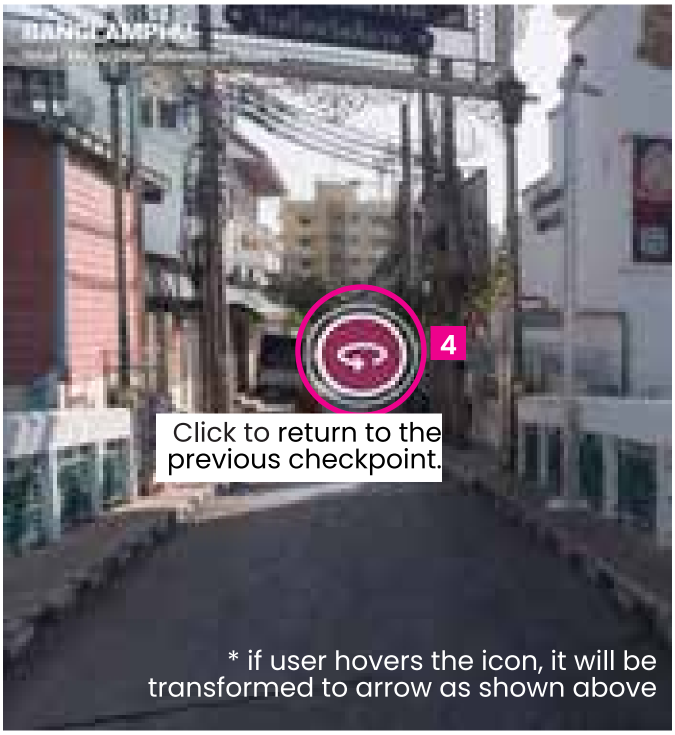

BANGLAMPHU
Click to move to 3
selected checkpoint

4 After moving to *the next checkpoint*, if you wish to return to the *previous checkpoint*, click and drag the mouse back in the previous direction. Press on **THE POINT** to go back to *the previous checkpoint*.

(Virtual Map / Street View)


BANGLAMPHU
4
Click to return to the
previous checkpoint.

(Virtual Map / Street View)


BANGLAMPHU
4
Click to return to the
previous checkpoint.

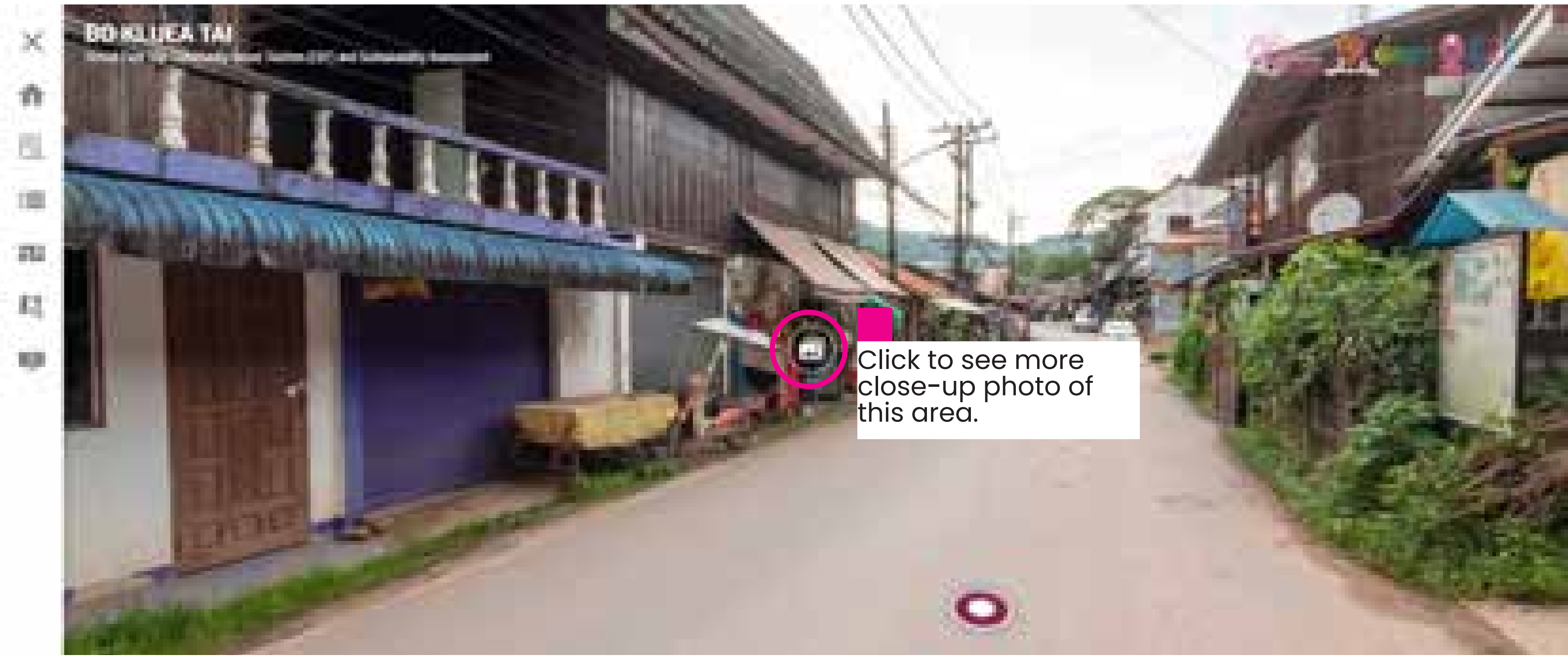
* if user hovers the icon, it will be transformed to arrow as shown above

4.2 LEARNING POINTS/ MATERIALS

4.2.1 PHOTOGRAPHY

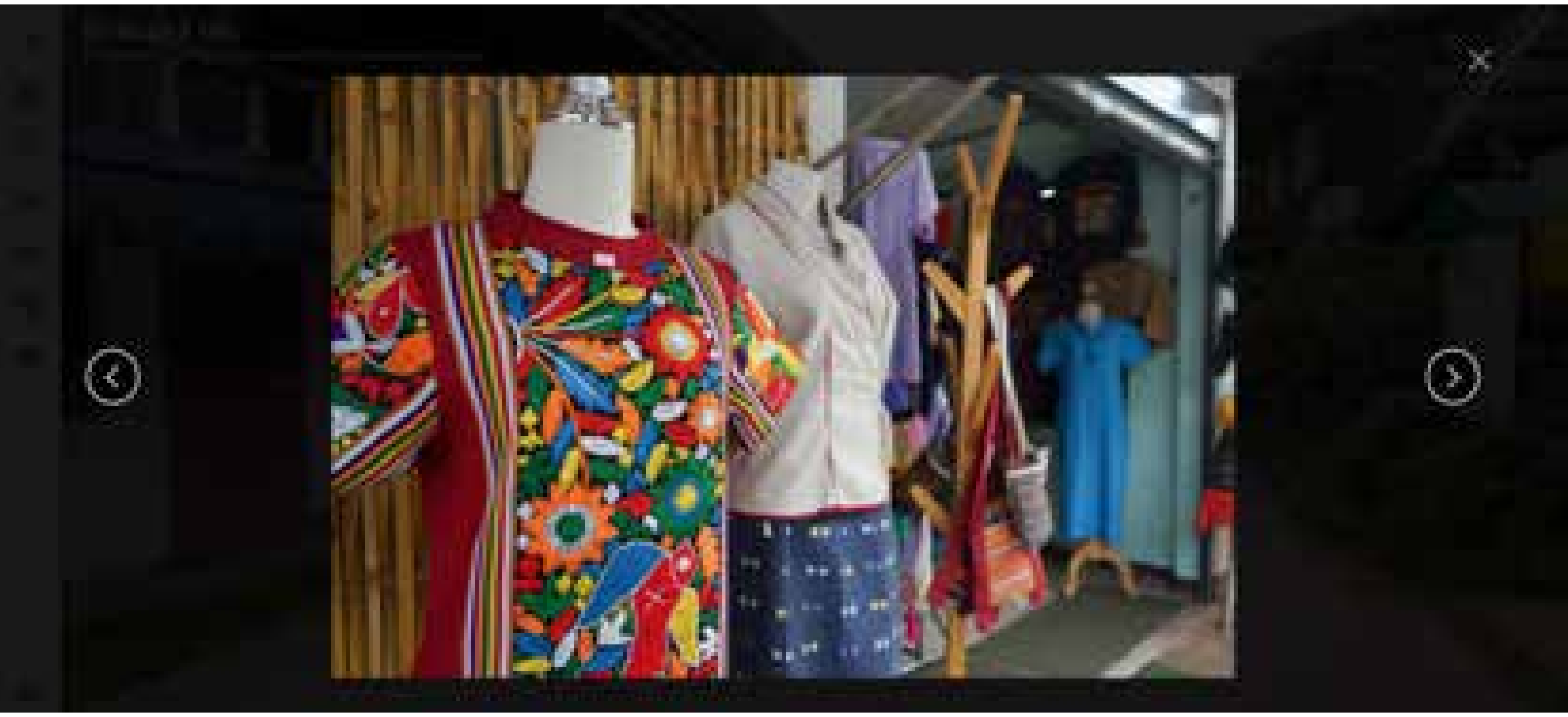
When you encounter **THE PHOTO ICON**, clicking on this icon allows you to view *more close-up photos* of the respective area.

(Virtual Map / Street View)



Click to see more close-up photo of this area.

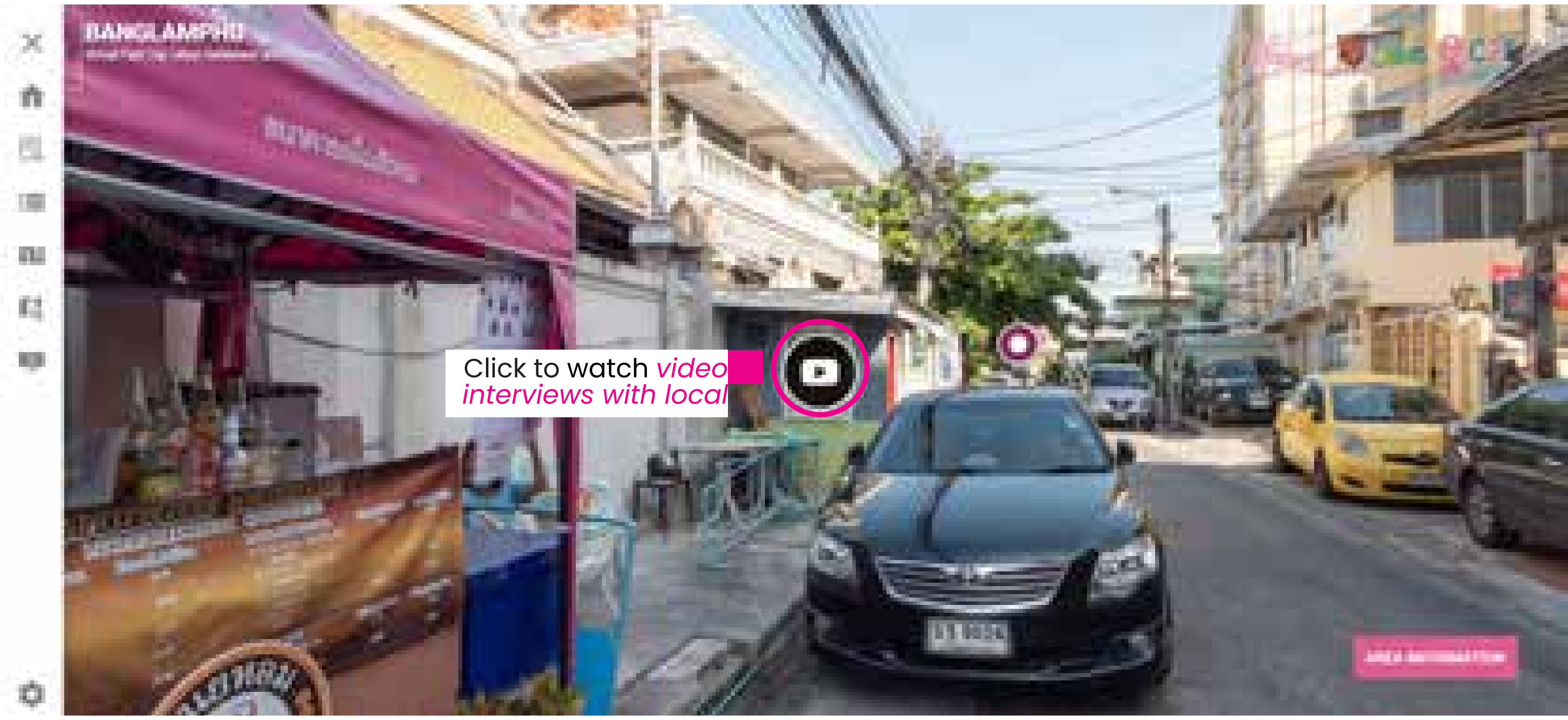
(Virtual Map / Picture View)



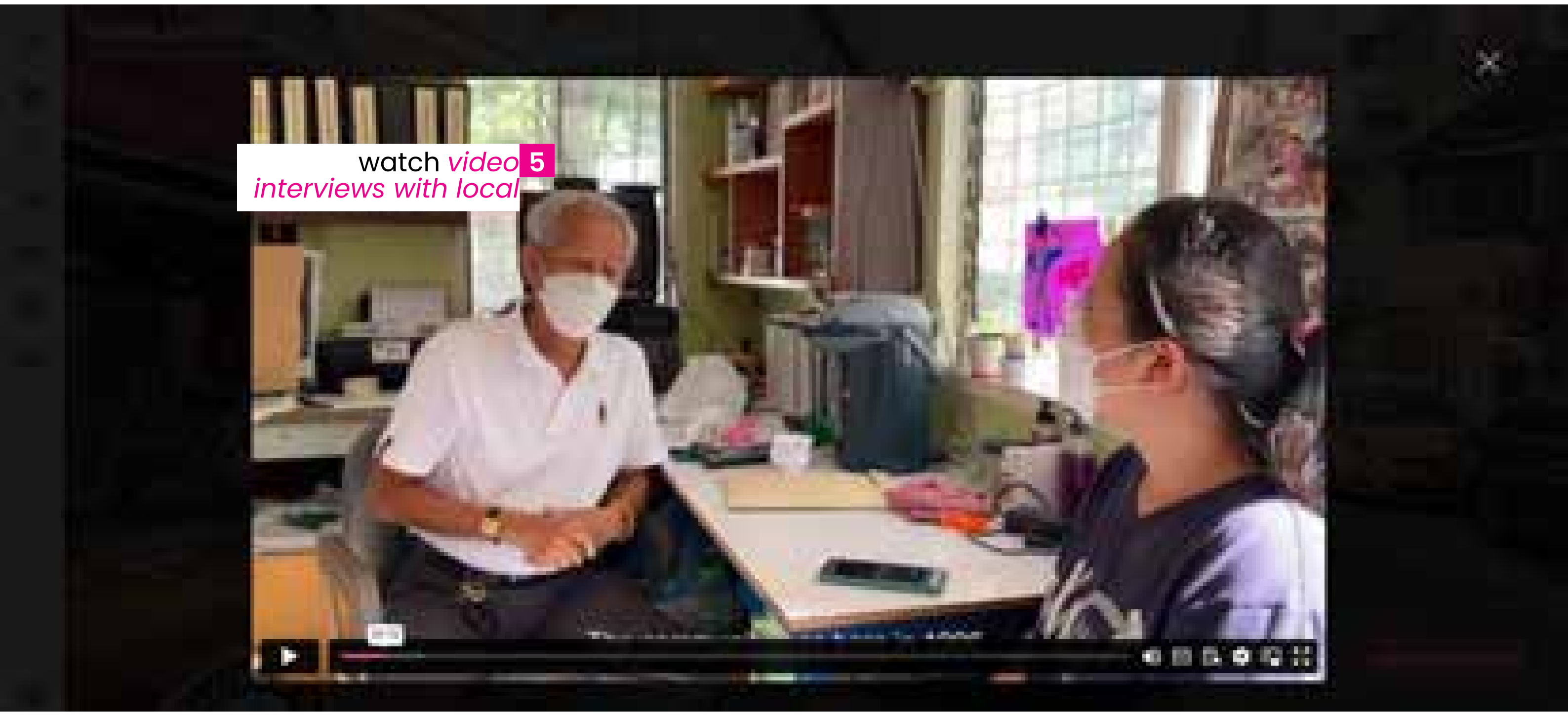
4.2.2 VIDEO

Tap on **THE VIDEO PLAYER ICON** to watch videos about the sites/ areas.

(Virtual Map / Street View)


BANGLAMPHU
Click to watch *video interviews with local*

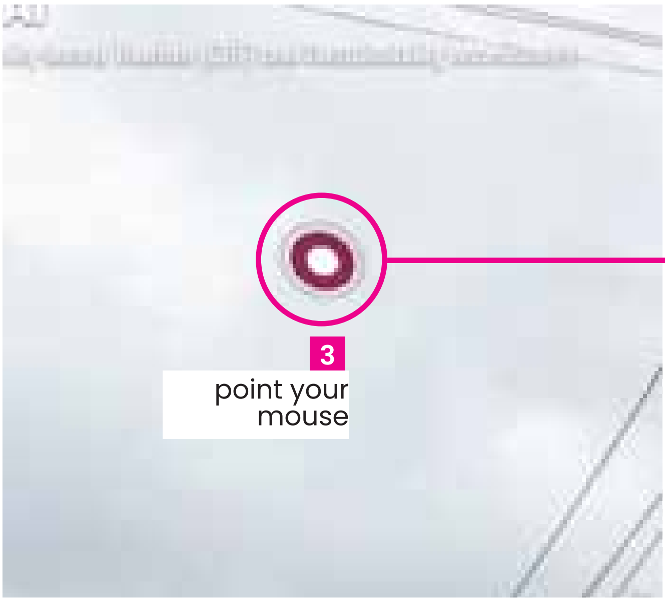
(Virtual Map / video interviews with local)


watch *video interviews with local*
5

4.2.3 AERIAL VIEW

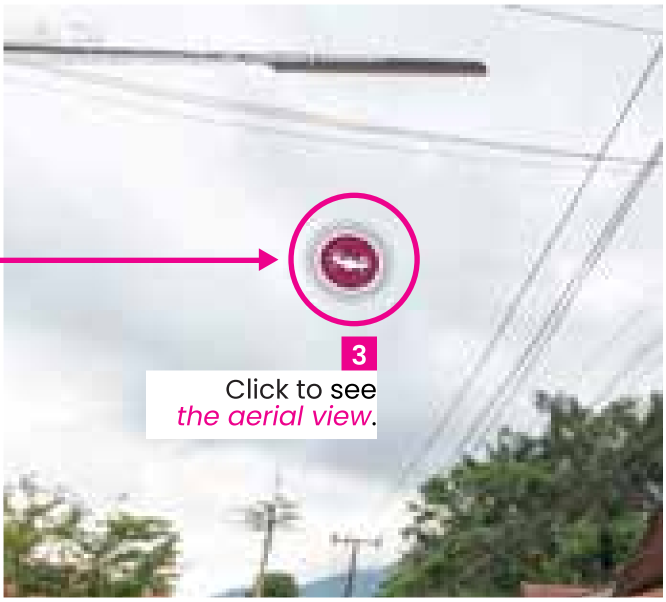
If you hover your mouse over **THE POINT** ◉ and notice **THE DRONE ICON**, click on this icon to view *the aerial perspective* of the area captured by a drone.

(Virtual Map / Street View)



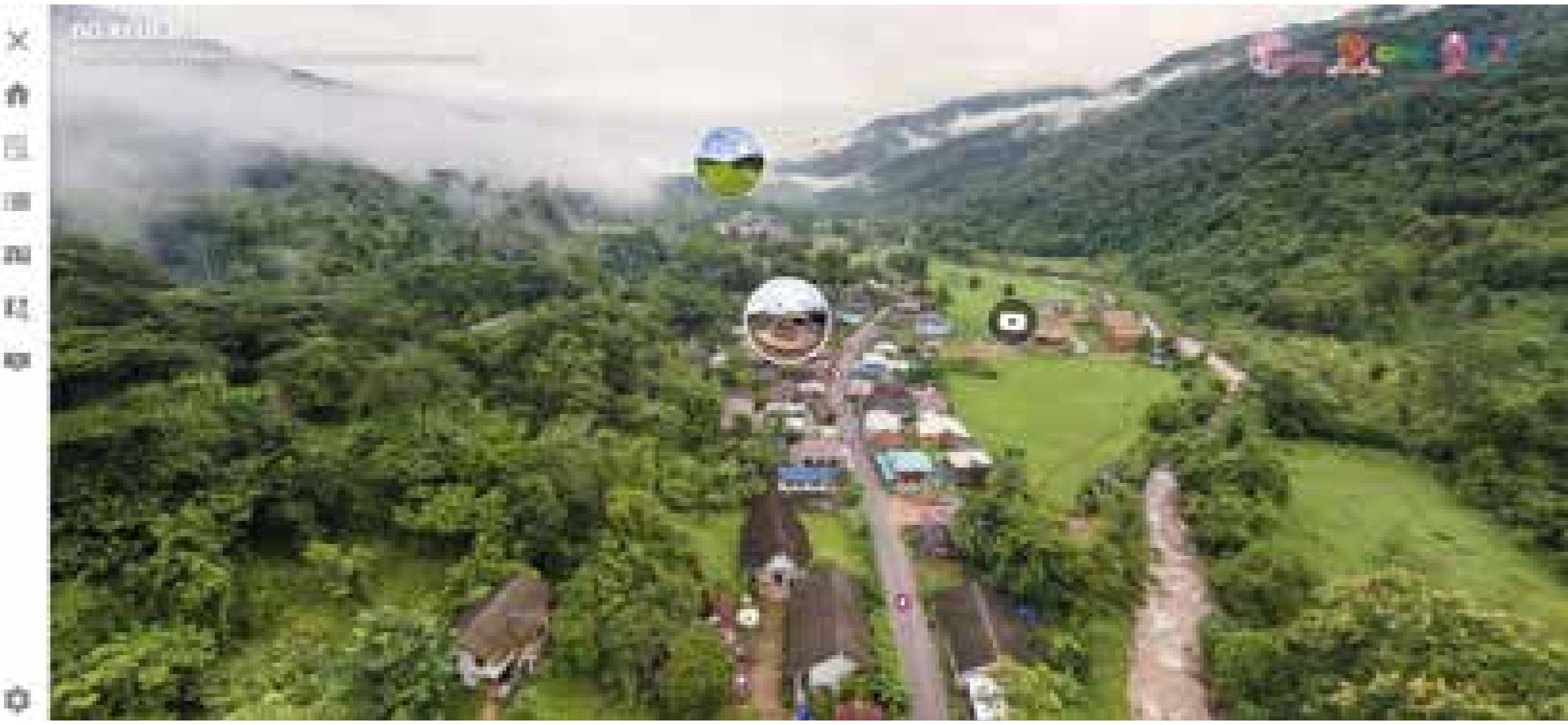
3
point your mouse

(Virtual Map / Street View)



3
Click to see *the aerial view*.

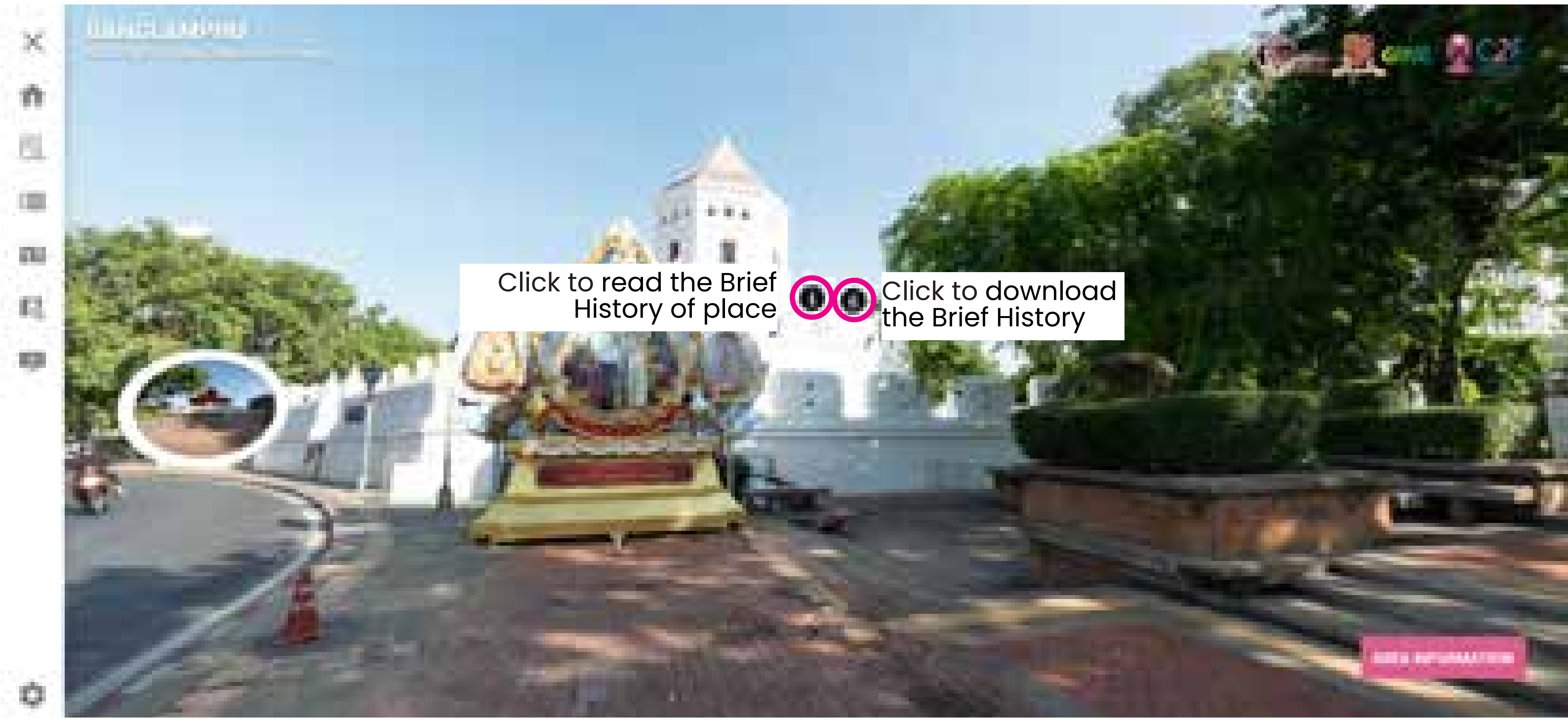
(Virtual Map / Aerial View)



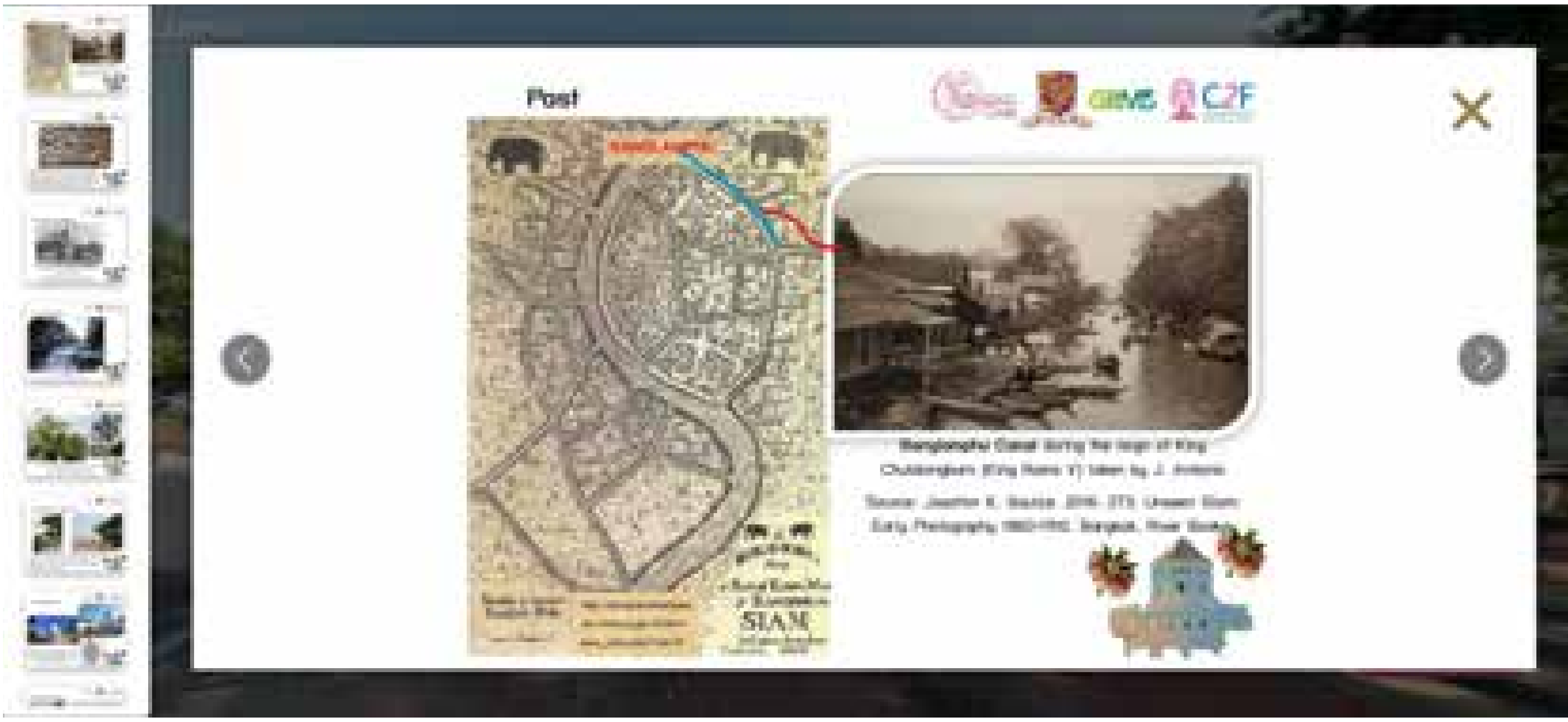
4.2.4 INFORMATION

Click **THE "i" ICON** to open *the document* and read more information. Or Click on **DOWNLOAD ICON** to download *the document.*

(Virtual Map / Street View)


Click to read the Brief History of place
Click to download the Brief History

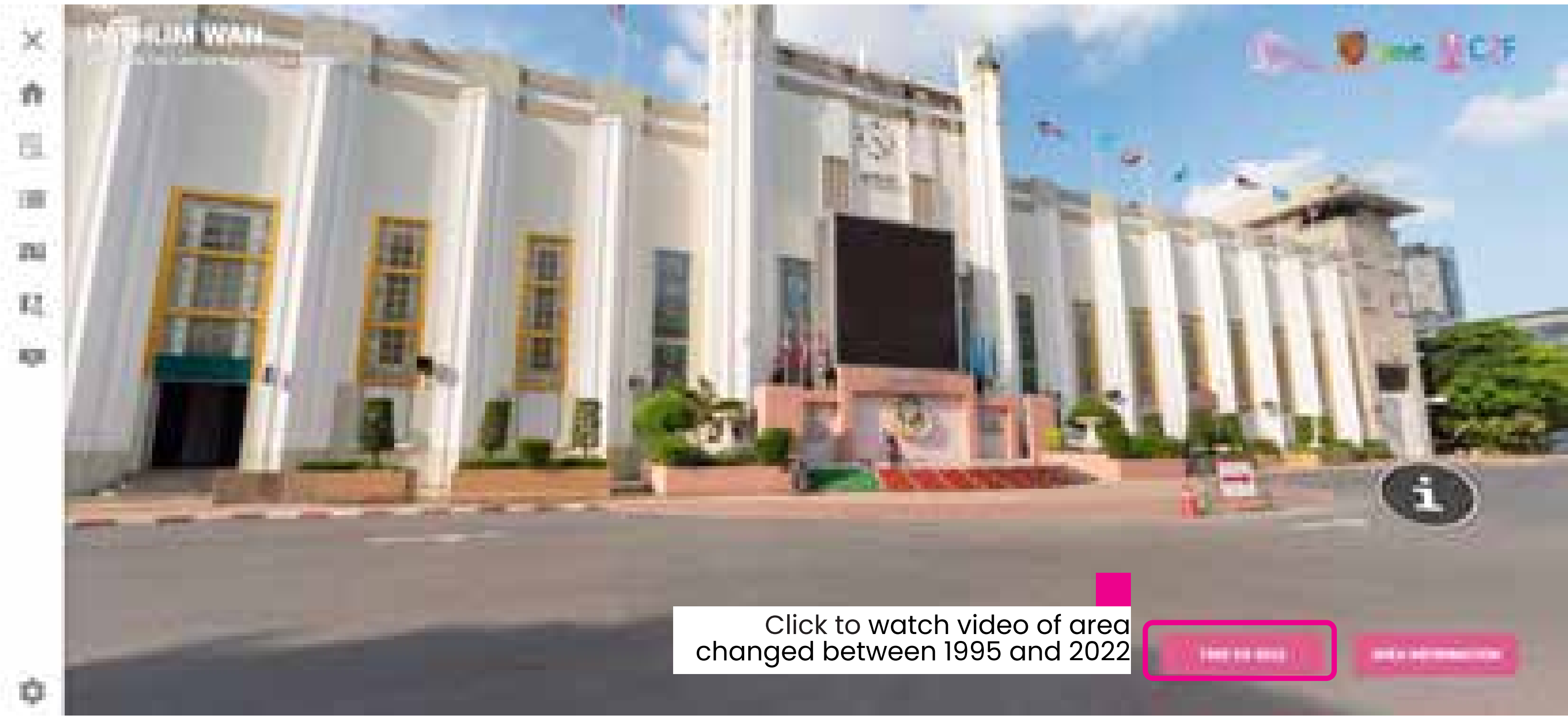
(Virtual Map / Brief History of Place)



4.2.5 CONTENT BUTTON

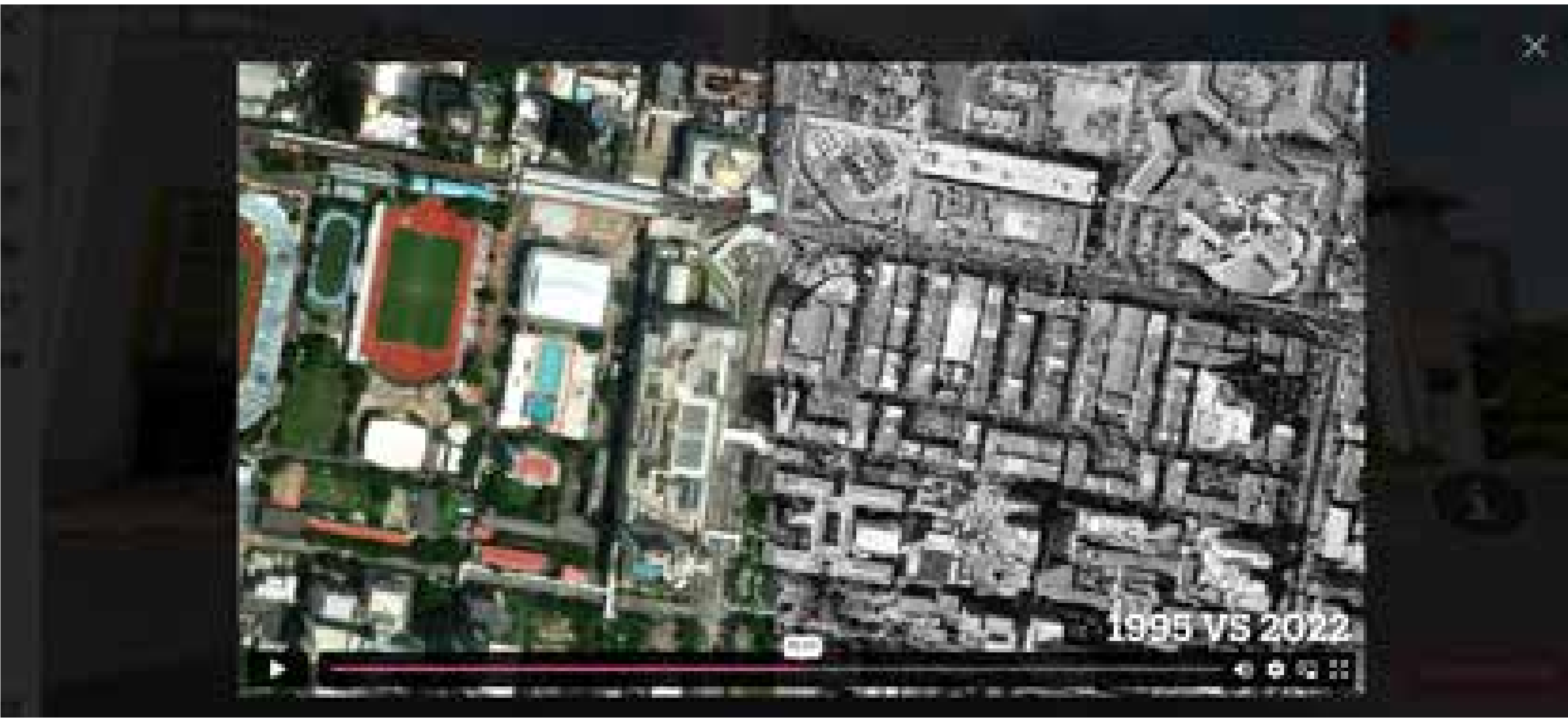
In some checkpoints, there is a button located in the bottom right corner of the virtual tour. Click on the button to access additional contents.

(Virtual Map / Street View)



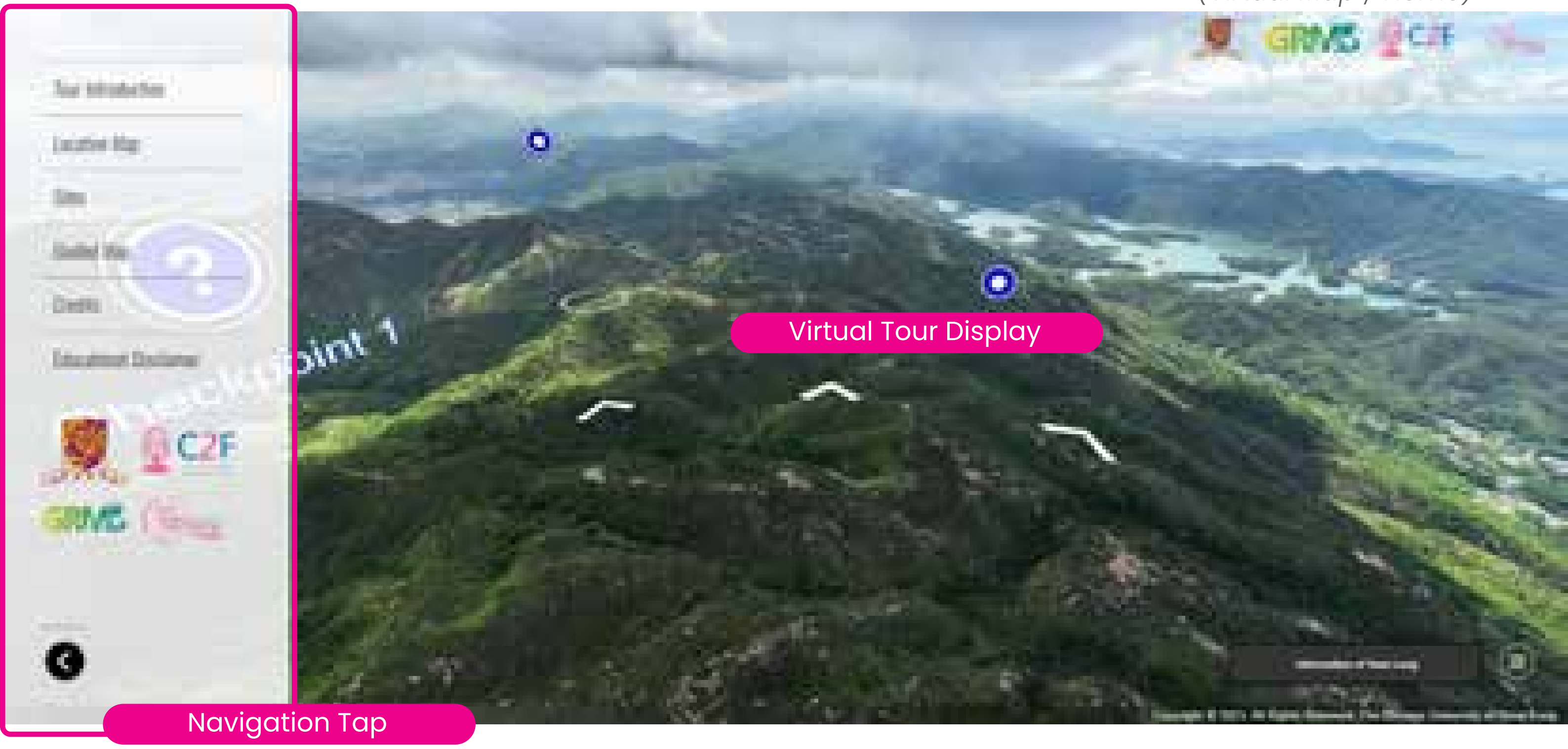
Click to watch video of area changed between 1995 and 2022

(Virtual Map / 1995 VS 2022)



5. OPERATIONAL INTERFACE OF HONG KONG VIRTUAL TOUR

(Virtual Map / Home)

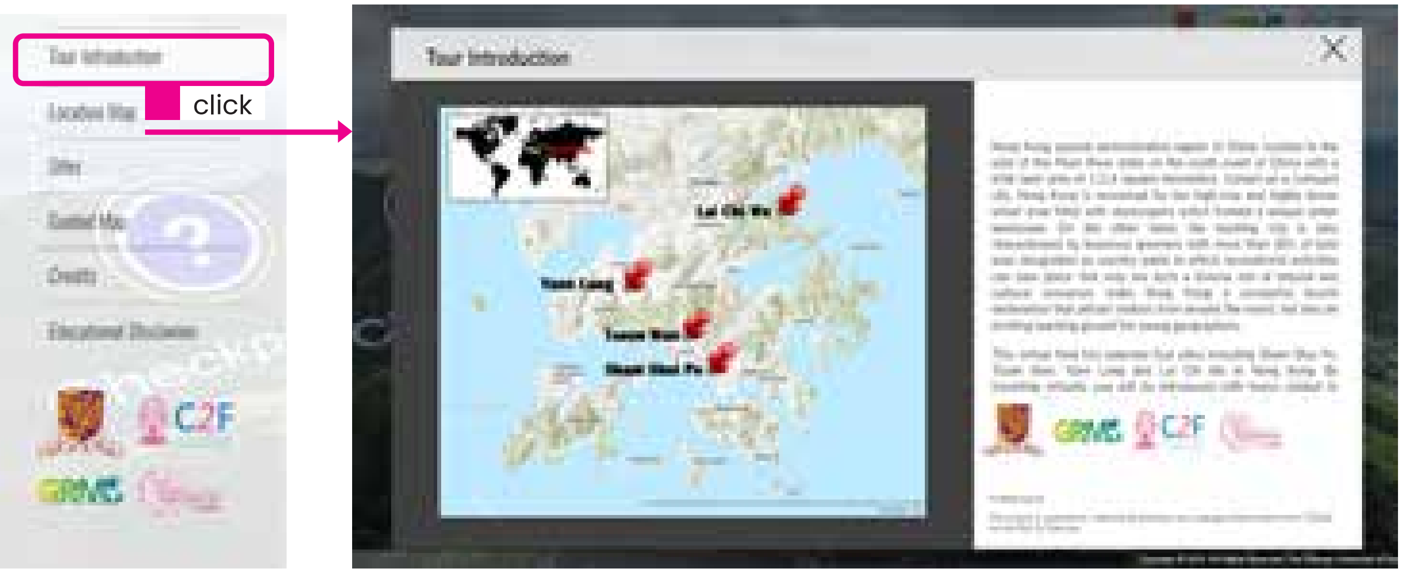

Tour Introduction
Location Map
Sites
Guided Map
Credits
Educational Disclaimer
Virtual Tour Display
Navigation Tap

5.1 NAVIGATION TAB

5.1.1 TOUR INTRODUCTION

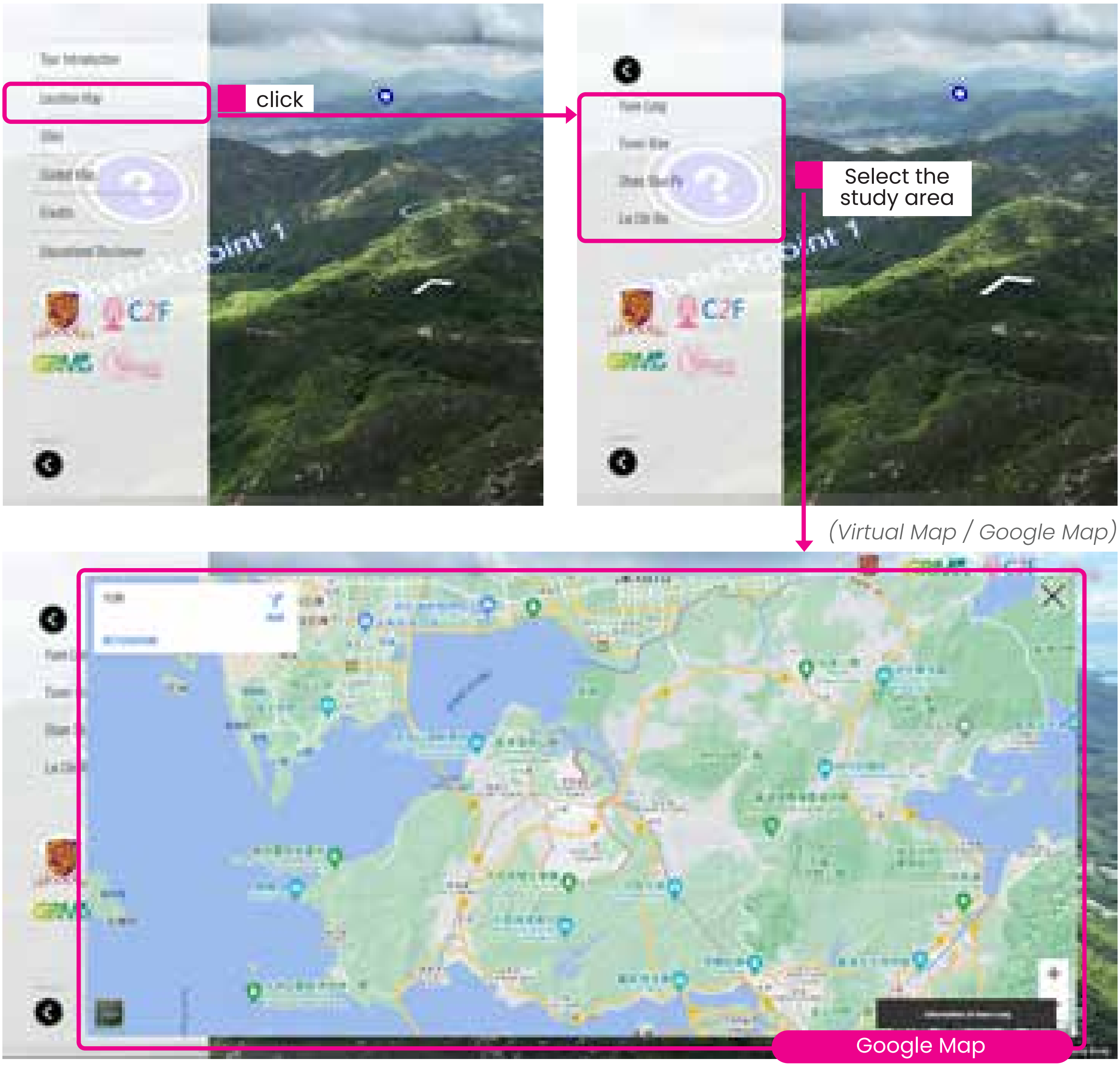
To read the introduction of the Virtual Tour in Hong Kong and check the location of the study area on the map, users can click on **TOUR INTRODUCTION**

(Virtual Map / Tour Introduction)


Tour Introduction
click
Location Map
Sites
Guided Map
Credits
Educational Disclaimer
Tour Introduction

5.1.2 LOCATION MAP

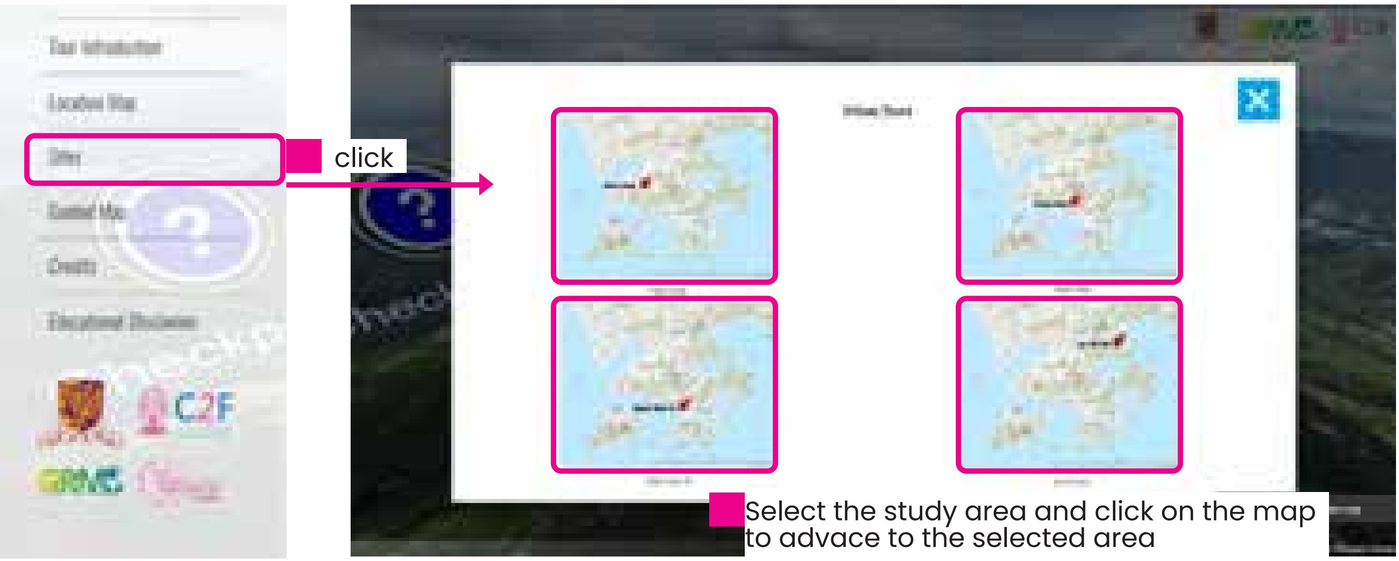
To view *the Google Map* of the chosen place, users can click on **LOCATION MAP**


click
Select the study area
(Virtual Map / Google Map)
Google Map

5.1.3 SITES

To view the location of each study area on the map, users can click on **SITES.** Additionally, users can click on each location on the map to embark on the virtual tour of the respective study area.

(Virtual Map / Site Tab)



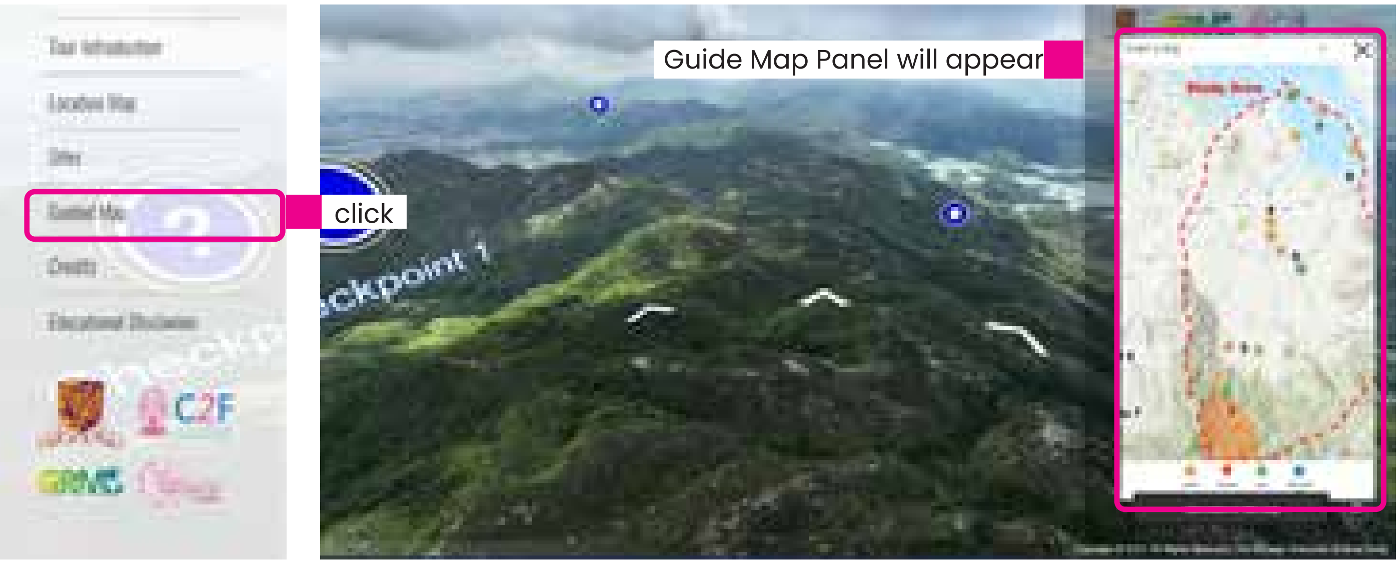
click

Select the study area and click on the map to advace to the selected area

5.1.4 GUIDE MAP

To view every checkpoint available, users can click on **GUIDED MAP** . Subsequently, users can click on the orange, red, green, and blue points to select the specific checkpoint they wish to visit.

(Virtual Map / Home)

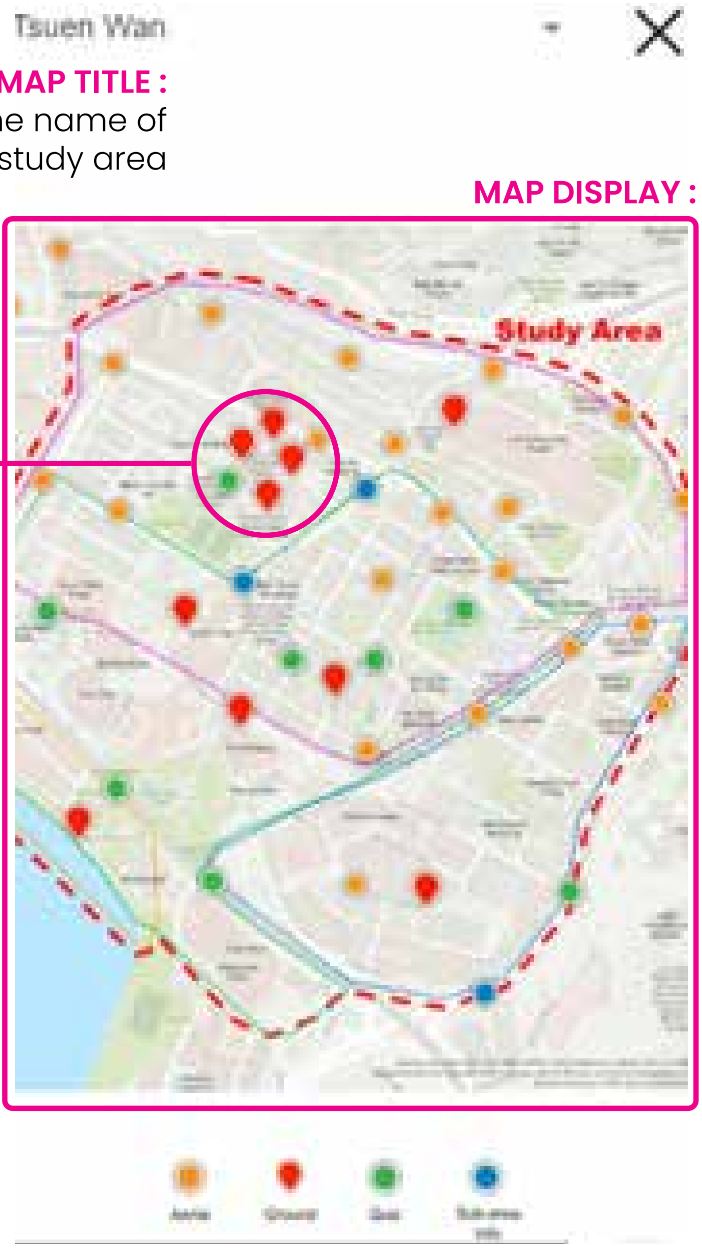


Guide Map Panel will appear

click

Within the **GUIDED MAP** panel, users have the ability to perform the following actions:

(Virtual Map / Guide Map Panel)



STUDY AREA MAP TITLE : display the name of the study area

CLOSE SIGN : click to close the *Map Guide* panel

MAP DISPLAY :

CHECKPOINT : click to access to the exact location in the virtual tour

CHECKPOINT LEGEND :

● **AERIAL**
This checkpoint would display as the aerial view

● **GROUND**
This checkpoint would display as the ground view

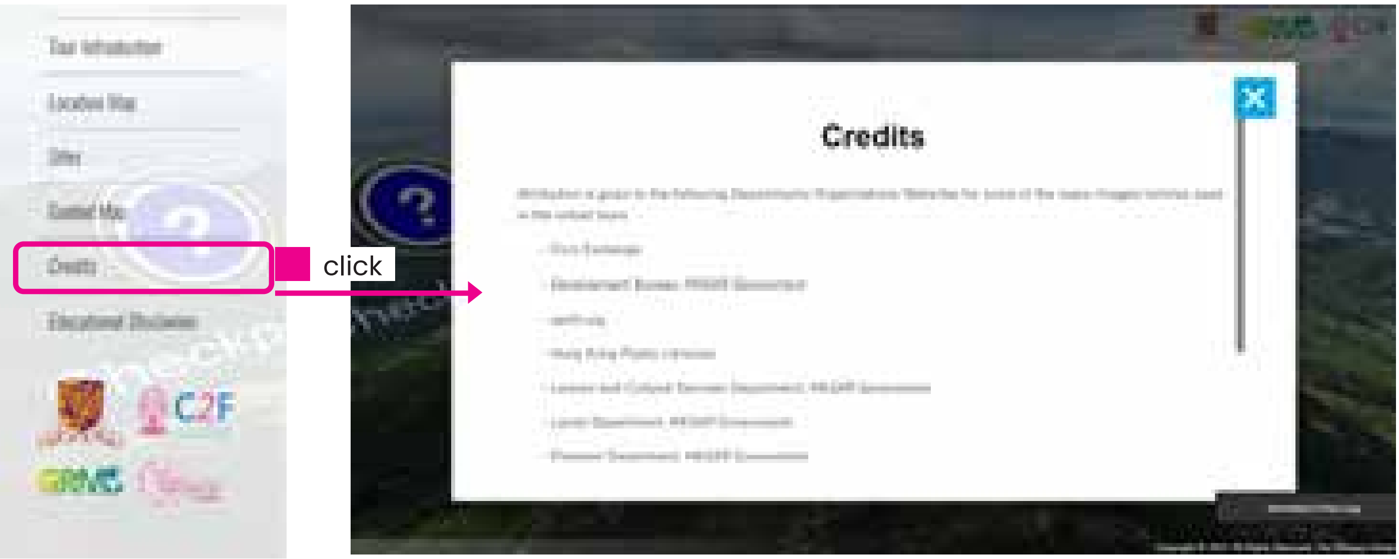
● **QUIZ**
This checkpoint would enable you to attend a quiz

● **SUB-AREA INFO**
This checkpoint would provide more information about the area

5.1.5 CREDITS

To view all credits associated with this Virtual Tour, users can click on **CREDITS**

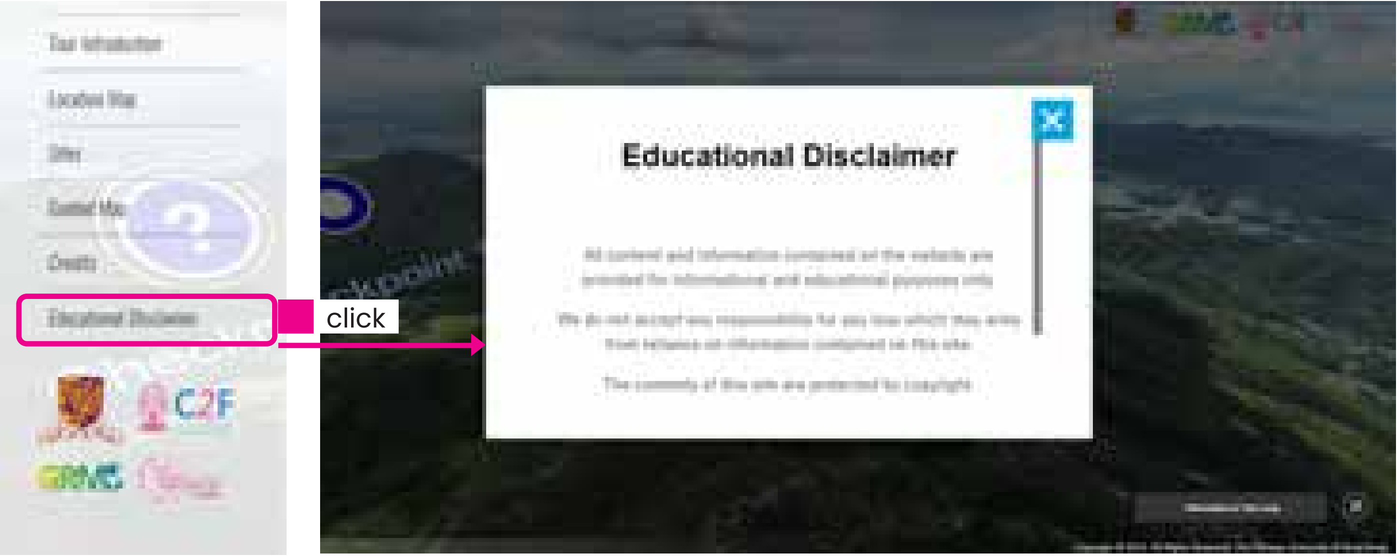
(Virtual Map / Credits)



5.1.6 EDUCATIONAL DISCLAIMER

To read the educational disclaimer of this Virtual Tour, users can click on **EDUCATIONAL DISCLAIMER**

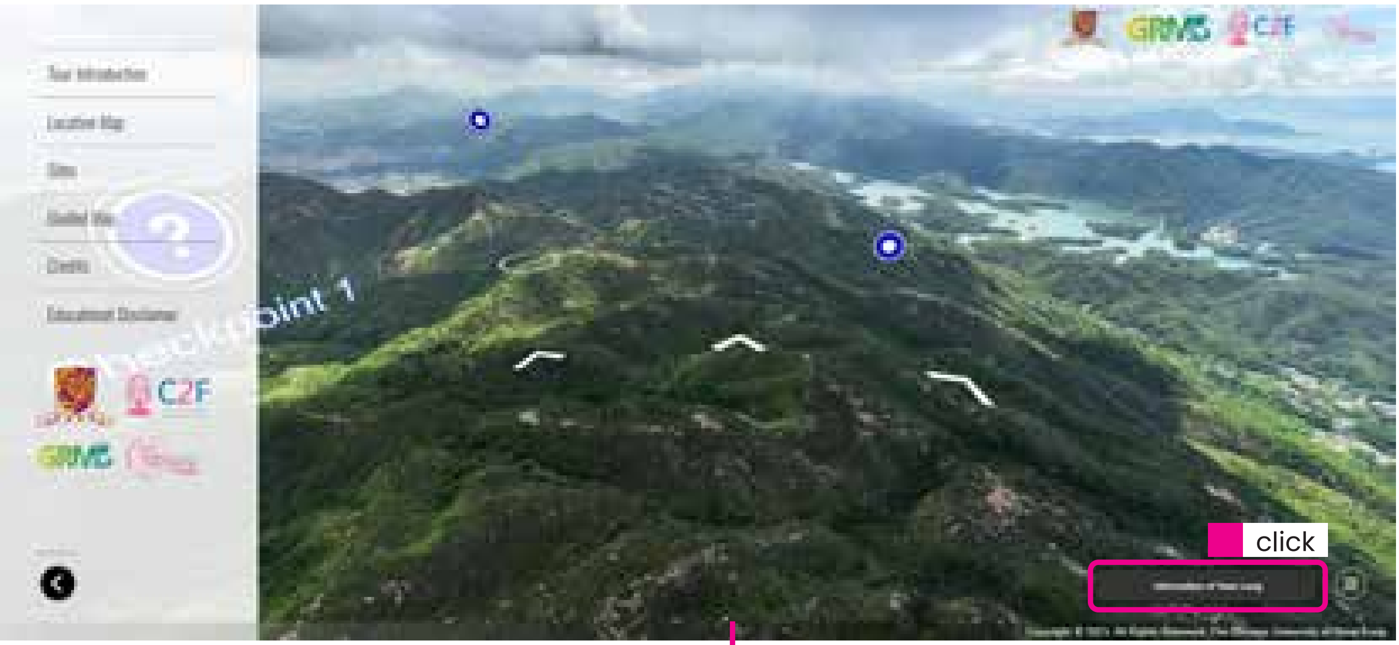
(Virtual Map / Educational Disclaimer)



5.2 INFORMATION BUTTON

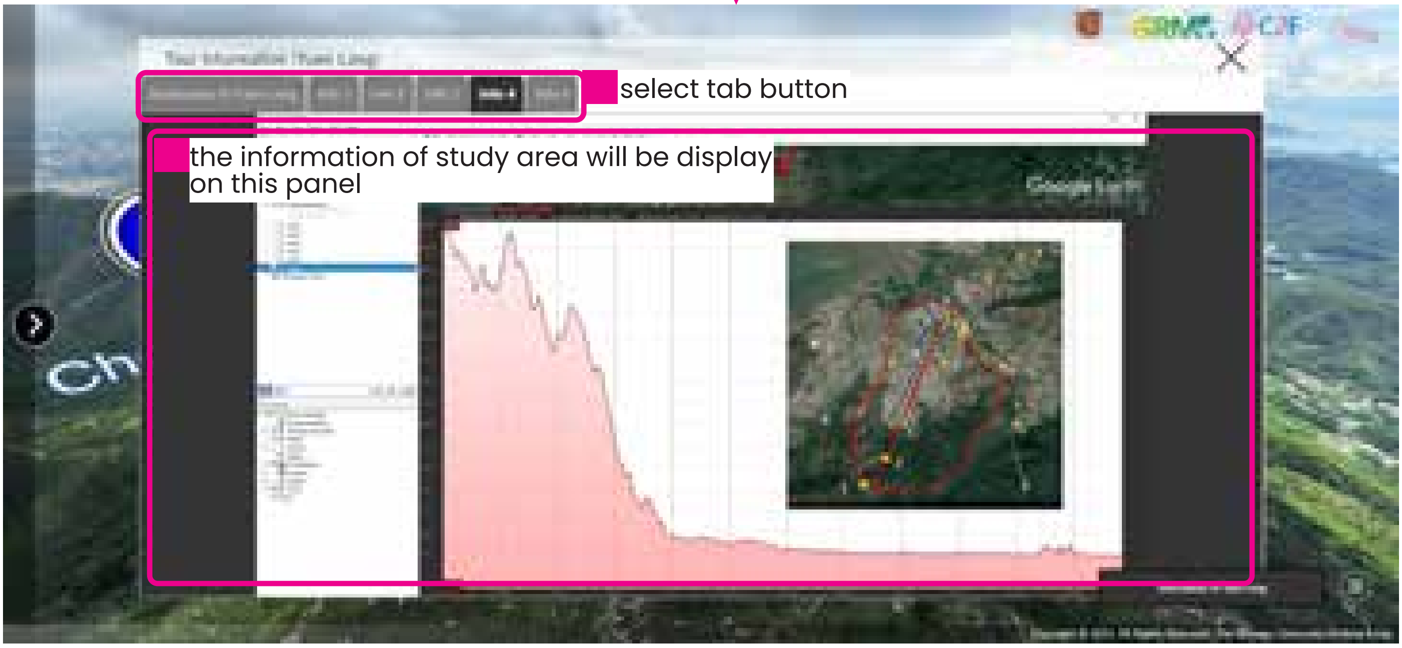
To access additional information about a specific place, users can click on **INFORMATION OF (STUDY AREA)** This will provide details such as the study area map, land use map, and graphs related to that particular location.

(Virtual Map / Home)



click

(Virtual Map / Information)

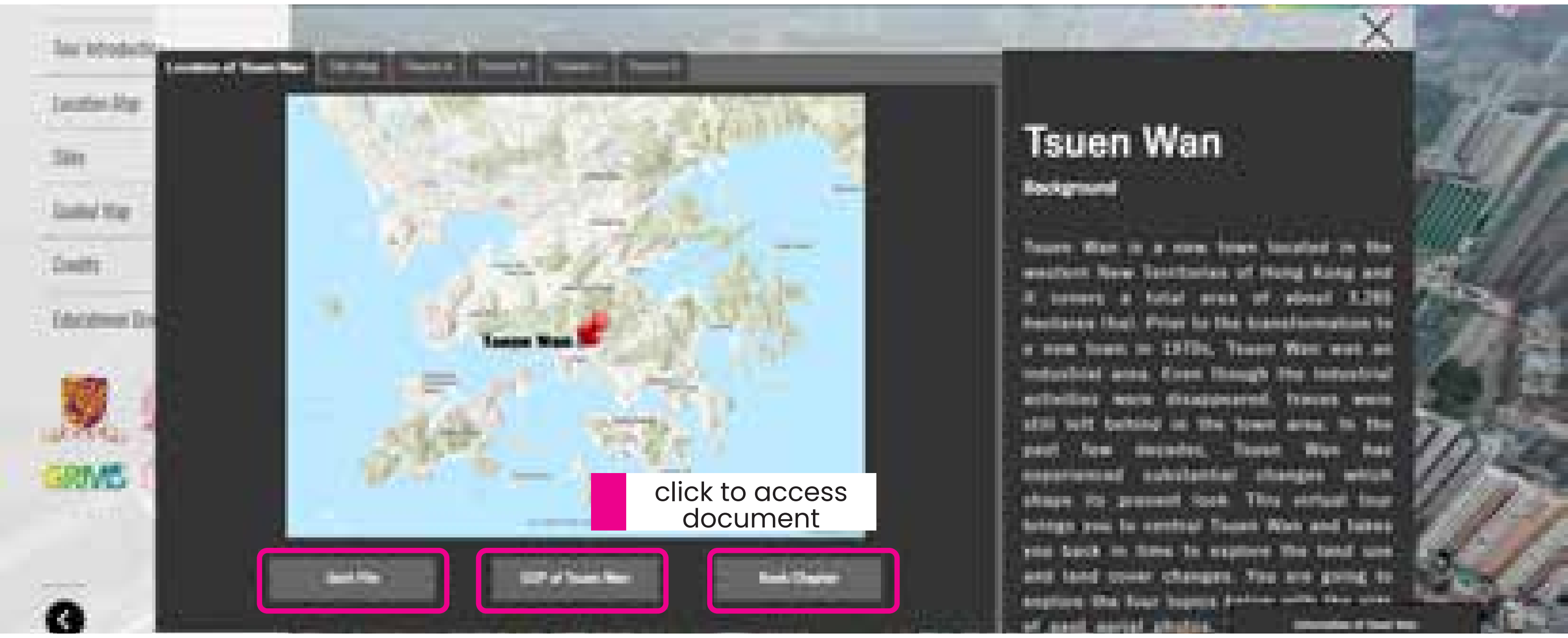


select tab button

the information of study area will be display on this panel

Certain Information tabs may contain various contents, including related literature, documents, quizzes, and more. Users can explore these tabs to access the specific information and resources associated with the selected topic or study area.

(Virtual Map / Information tab)

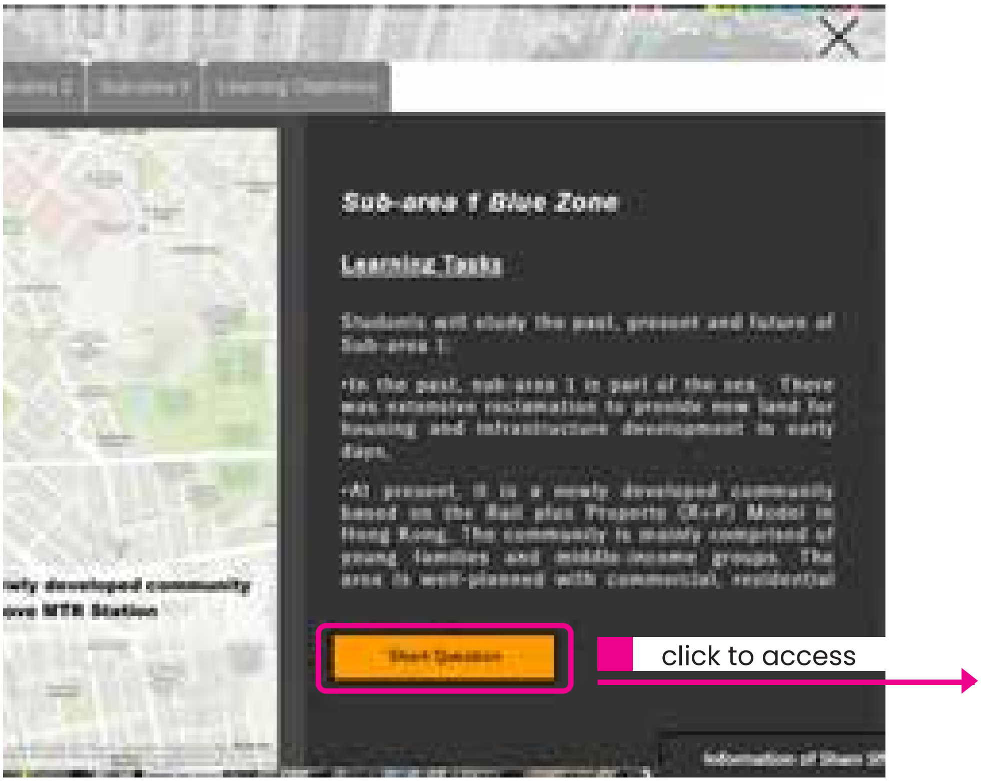


Tsuen Wan

Background

Tsuen Wan is a new town located in the western New Territories of Hong Kong and it covers a total area of about 3,285 hectares (ha). Prior to the transformation to a new town in 1970s, Tsuen Wan was an industrial area. Even though the industrial activities were disappeared, traces were still left behind in the town area. In the past few decades, Tsuen Wan has experienced substantial changes which shape its present look. This virtual tour brings you to central Tsuen Wan and takes you back in time to explore the land use and land cover changes. You are going to explore the four topics below with the use of past aerial photos.

(Virtual Map / Information tab)



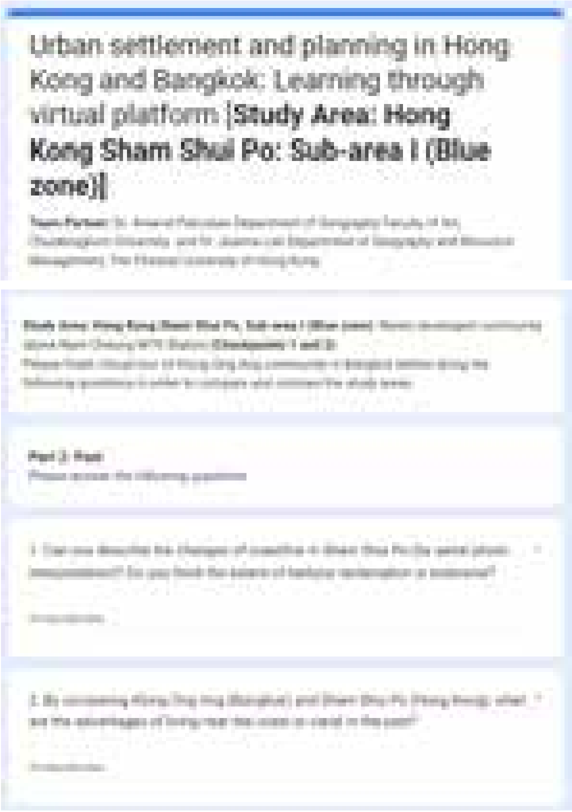
Sub-area 1 Blue Zone

Learning Tasks

Students will study the past, present and future of Sub-area 1.

•In the past, sub-area 1 is part of the sea. There was extensive reclamation to provide new land for housing and infrastructure development in early days.

•At present, it is a newly developed community based on the Rail plus Property (R+P) Model in Hong Kong. The community is mainly comprised of young families and middle-income groups. The area is well-planned with commercial, residential

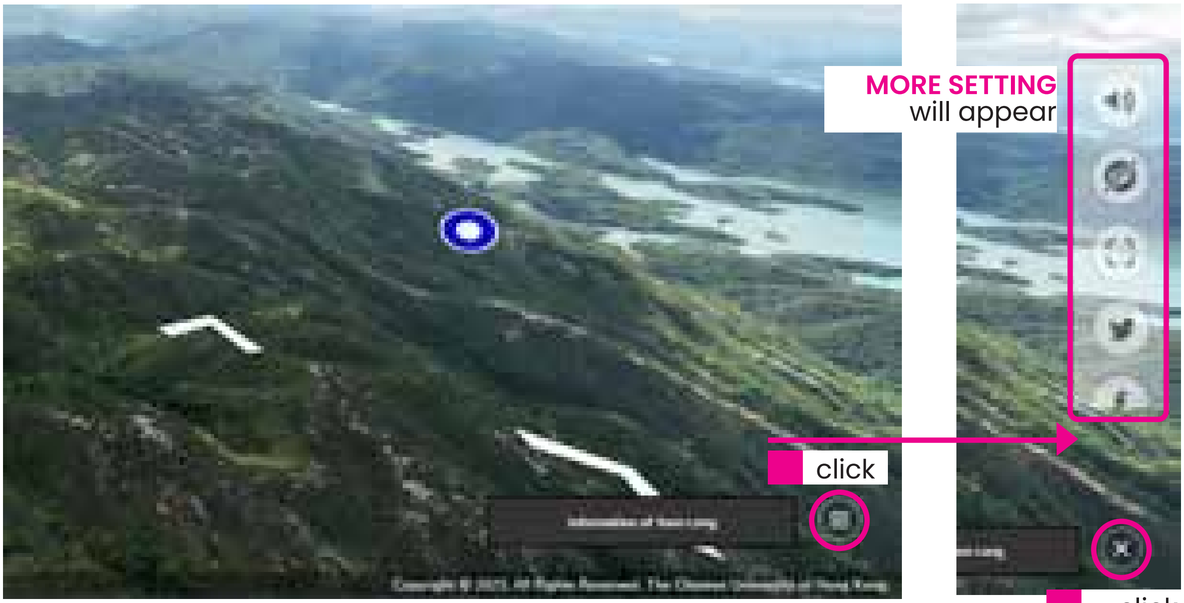


Urban settlement and planning in Hong Kong and Bangkok: Learning through virtual platform [**Study Area: Hong Kong Sham Shui Po: Sub-area I (Blue zone)**]

5.3 MORE SETTING

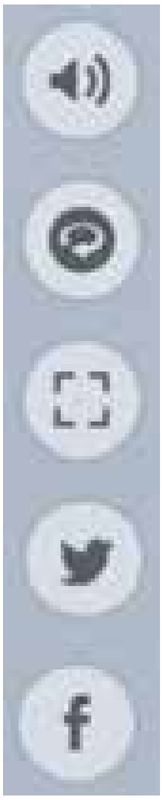
To access additional settings, click on the icon located at the bottom right of the display. The setting bar will appear, allowing users to perform the following actions:

(Virtual Map / Home)



click to hide
MORE SETTING

(Virtual Map / Setting More)

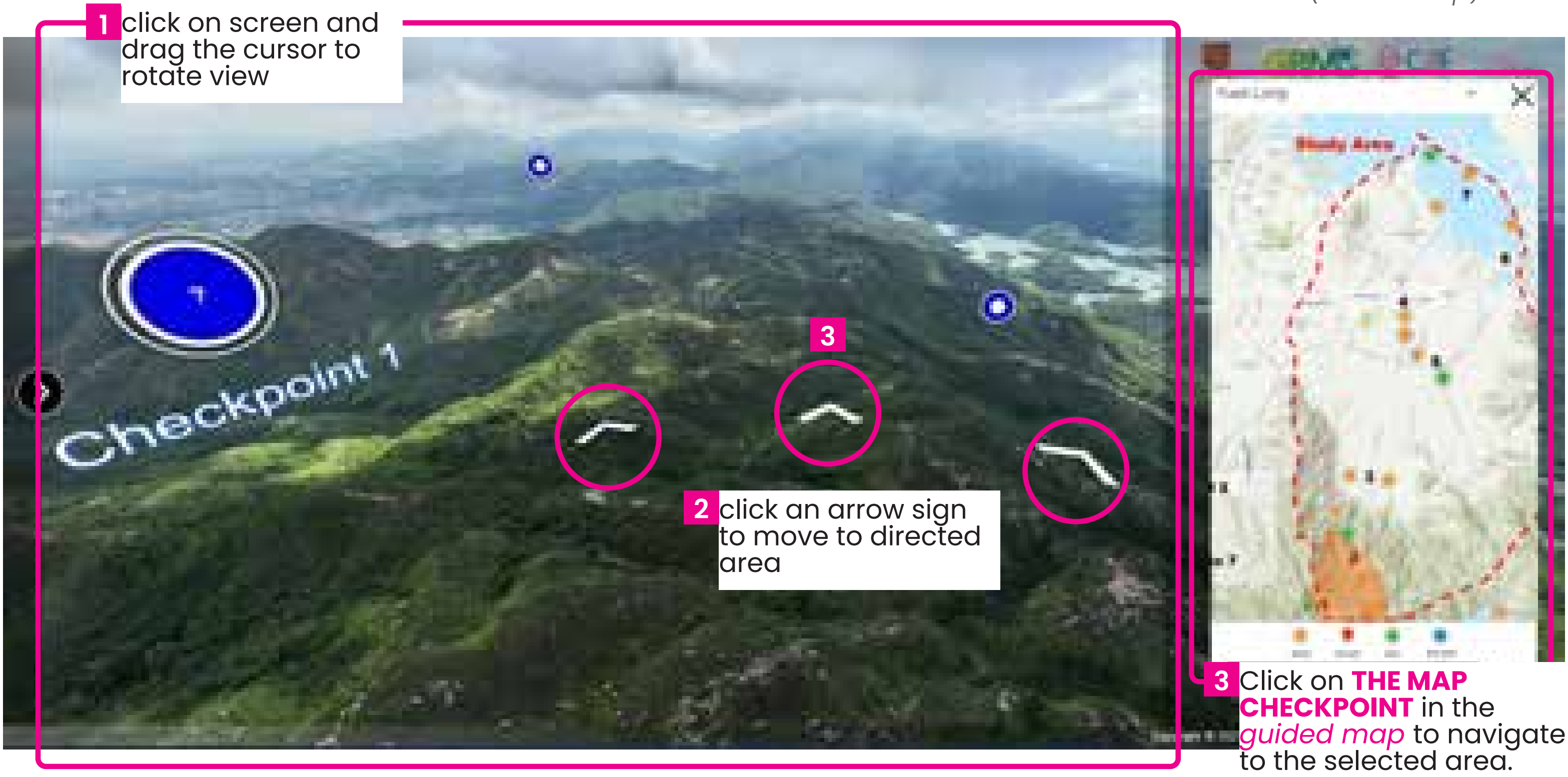


AUDIO	Click to turn on/off audio
ASSET ICON	Click to display / hide the asset icons in virtual tour
FULLSCREEN	Click to turn on/off fullscreen display
TWITTER ICON	Click to share *virtual tour* on "X" (formerly "Twitter")
FACEBOOK ICON	Click to share *virtual tour* on Facebook

6. CONTENTS IN HONG KONG VIRTUAL TOUR

6.1 NAVIGATION

(Virtual Map)



1 click on screen and drag the cursor to rotate view

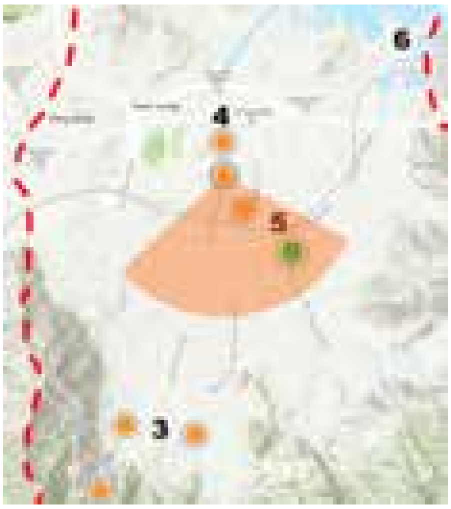
2 click an arrow sign to move to directed area

3 Click on **THE MAP CHECKPOINT** in the *guided map* to navigate to the selected area.

1 To rotate the view of the virtual tour, users can click on the virtual tour display area. After clicking, hold down the mouse button, and drag the cursor to rotate the camera view of the virtual tour.

2 To adjust the view of the virtual tour, users can follow these steps: click on the virtual tour display area, hold down the mouse button, and then drag the cursor to rotate the camera view as desired.

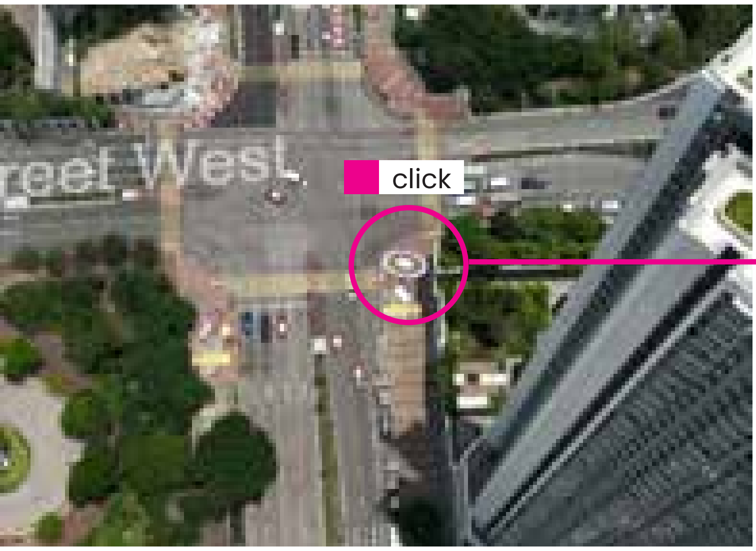
3 To navigate to a pinned location on the guided map panel, the user can click on the checkpoint icon corresponding to the desired place. This action will guide them to the specified location.



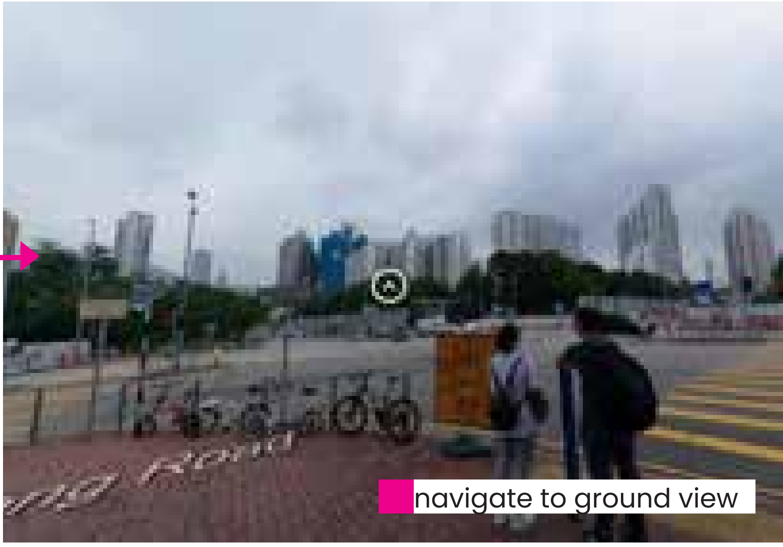
In *the guided map*, the orange shape denotes the camera's view zone in the virtual tour.

From the aerial view, click **A WHITE BORDER CONTAINING A WHITE CIRCLE ICON** to have to *the ground view* of the desired checkpoint.

(Virtual Map/ Arial View)

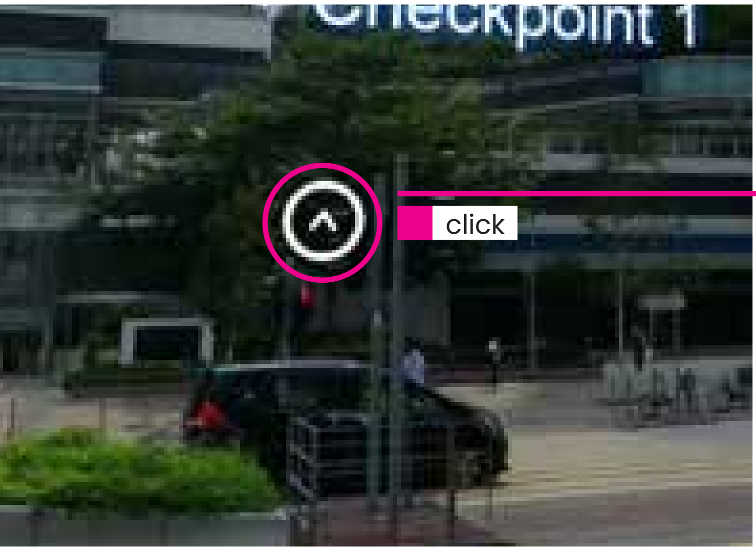


(Virtual Map/ Ground View)

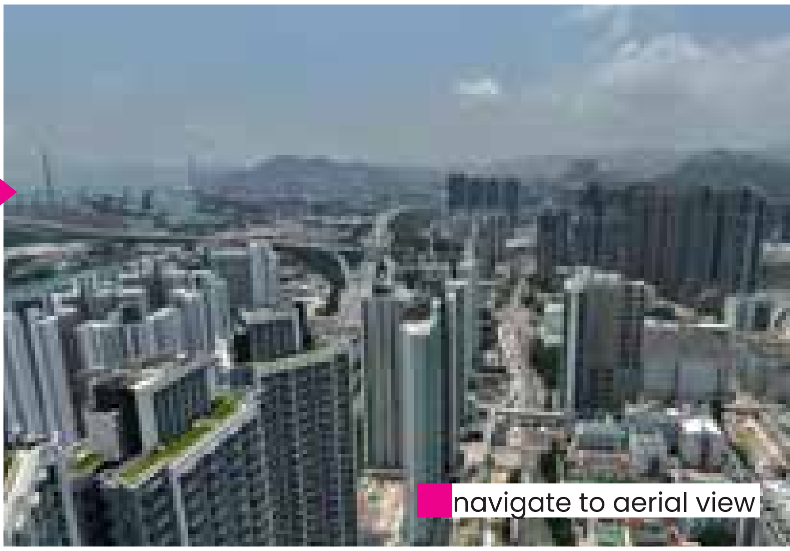

navigate to ground view

From the ground view, click **A WHITE BORDER CONTAINING A WHITE UP ARROW ICON** to return to *the aerial view* of the desired checkpoint.

(Virtual Map/ Ground View)


Checkpoint 1
click

(Virtual Map/ Arial View)


navigate to aerial view

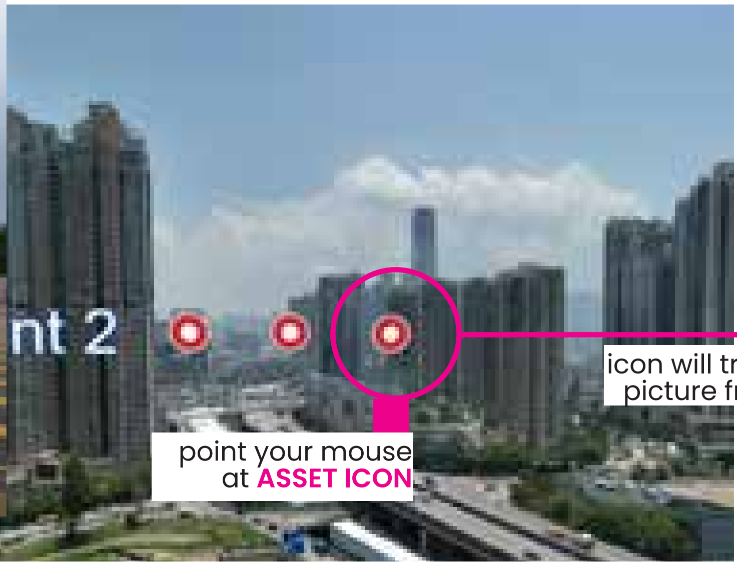
6.2 LEARNING POINTS/ MATERIALS

6.2.1 PHOTOGRAPHY

ASSET ICON

To access *photos*, hover over the **ASSET ICON**. Click **A PICTURE FRAME ICON** and view.

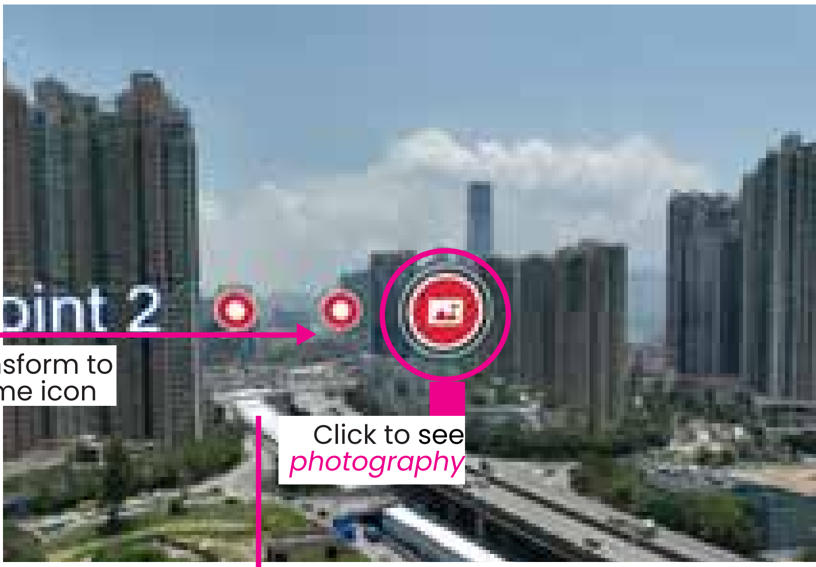
(Virtual Map)



point your mouse at **ASSET ICON**

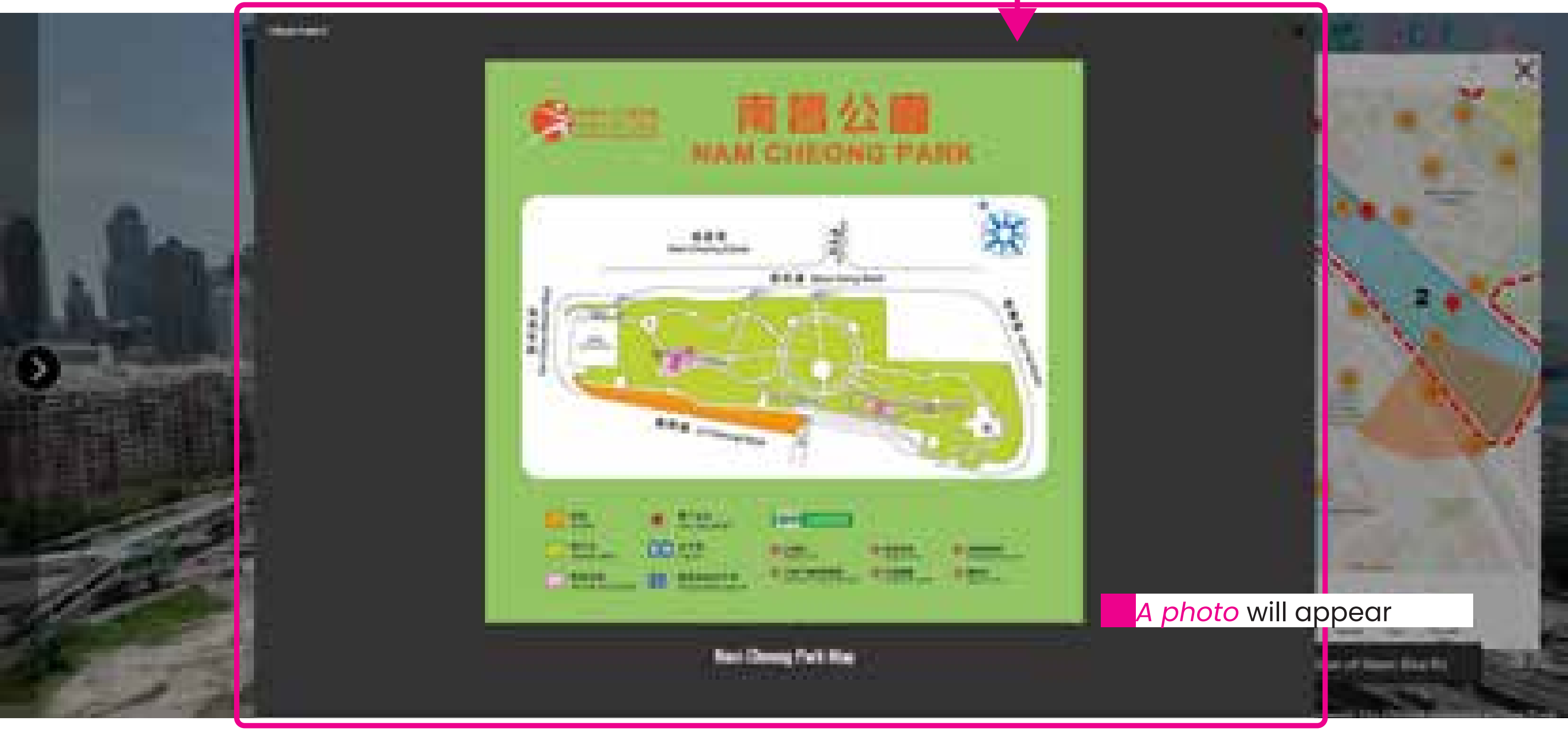
icon will transform to picture frame icon

(Virtual Map)



Click to see *photography*

(Virtual Map/ Photography)



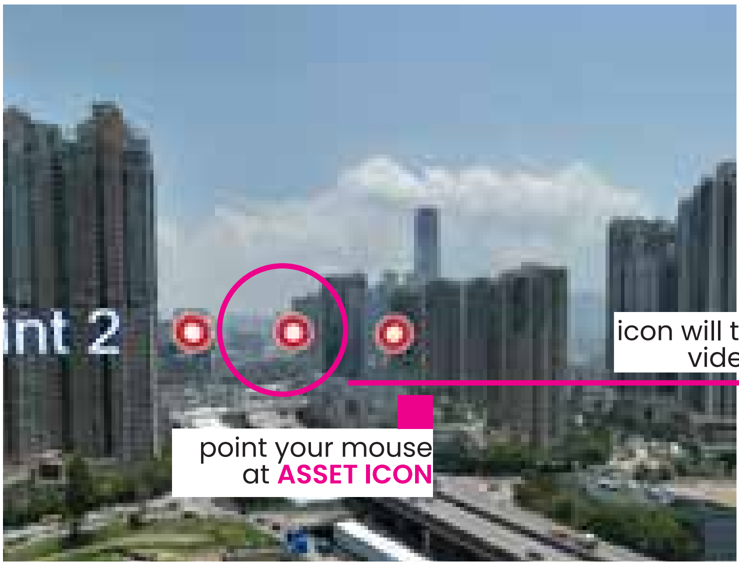
A photo will appear

6.2.2 VIDEO

ASSET ICON

To watch *videos*, hover over the **ASSET ICON**. Click **A VIDEO ICON** to play the video.

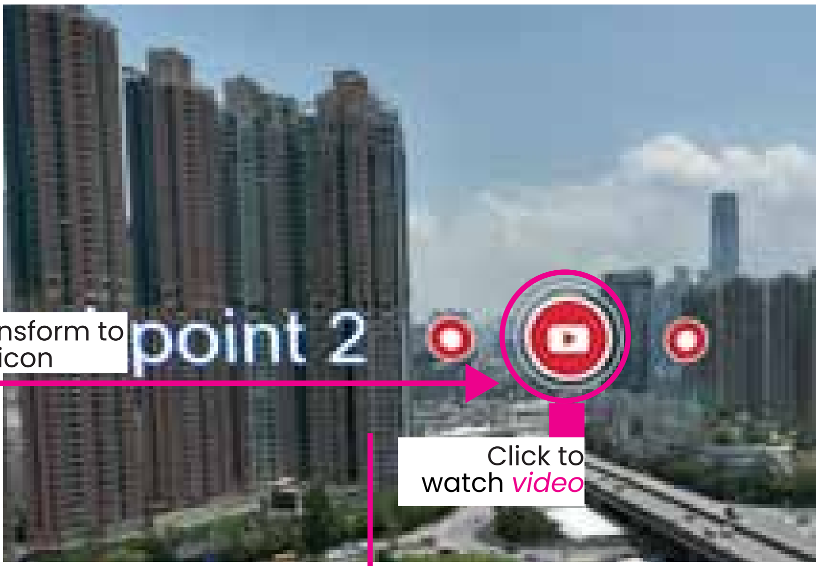
(Virtual Map)



point your mouse at **ASSET ICON**

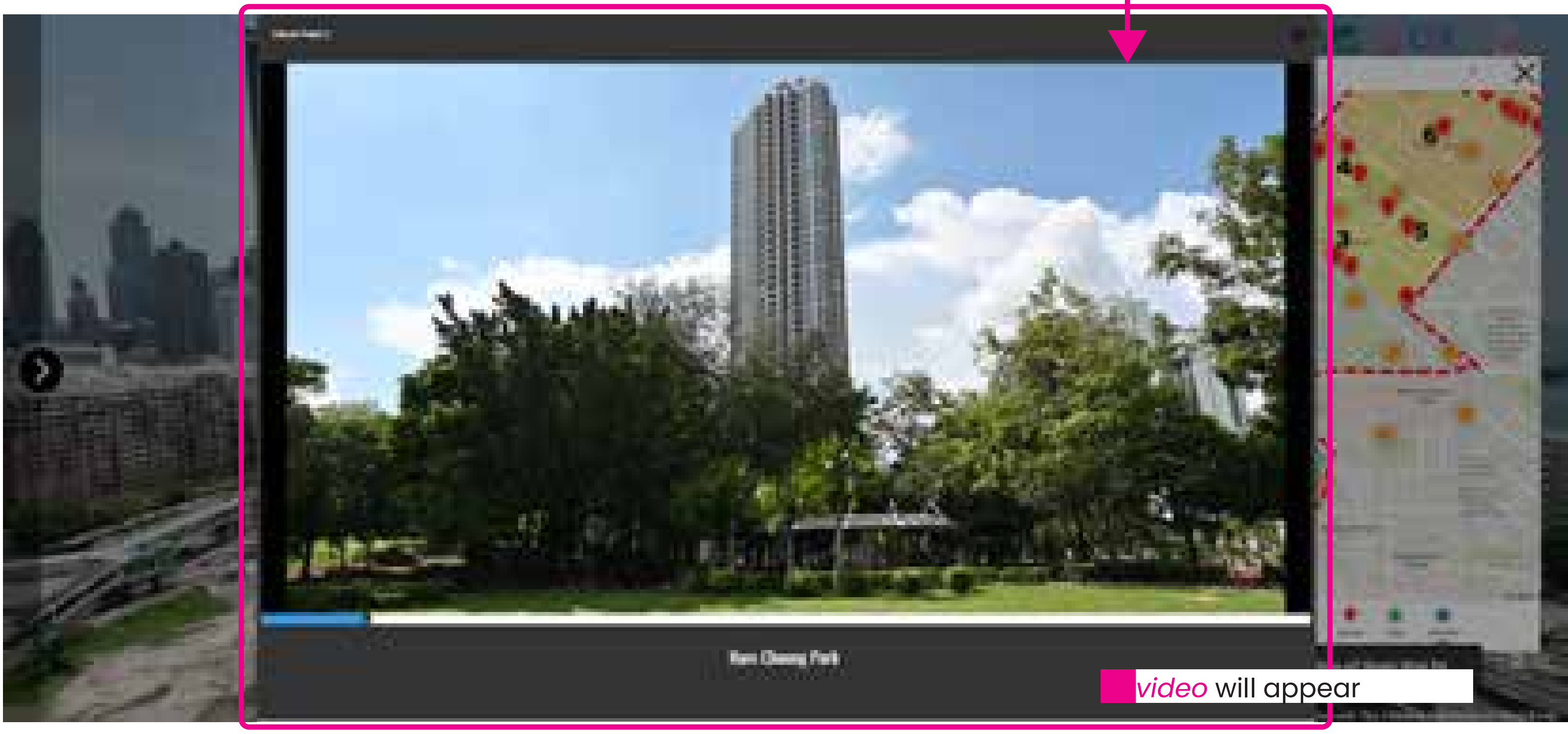
icon will transform to video icon

(Virtual Map)



Click to watch *video*

(Virtual Map/ Video)



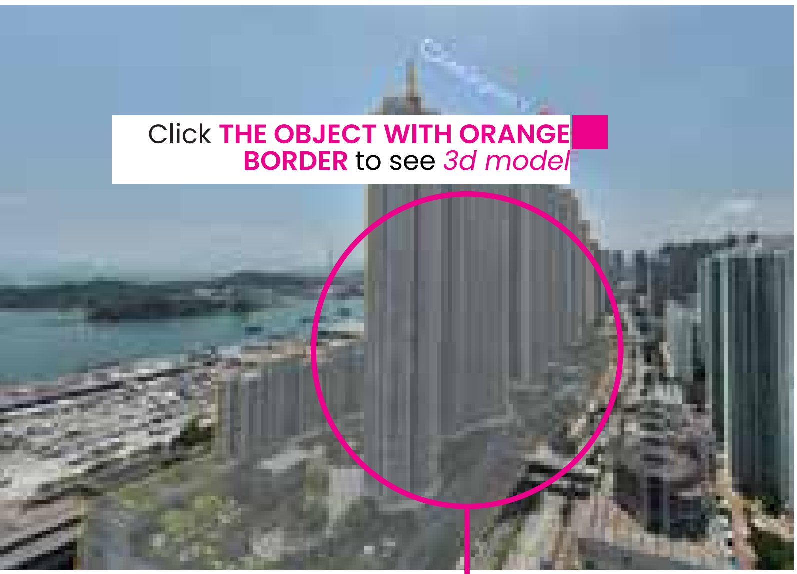
video will appear

6.2.3 3D MODEL

ASSET ICON

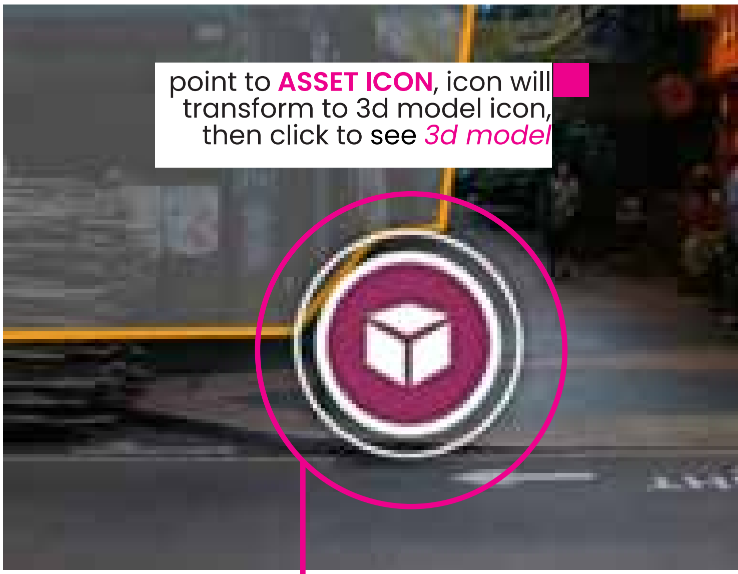
Users can access *the 3D model* content by hovering over **THE ASSET ICON.** Click on **THE 3D BOX ICON** to open *the 3D model content.* In addition, users can click **THE OBJECT WITH ORANGE BORDER** to access the *3D model content* to explore the 3D model.

(Virtual Map)



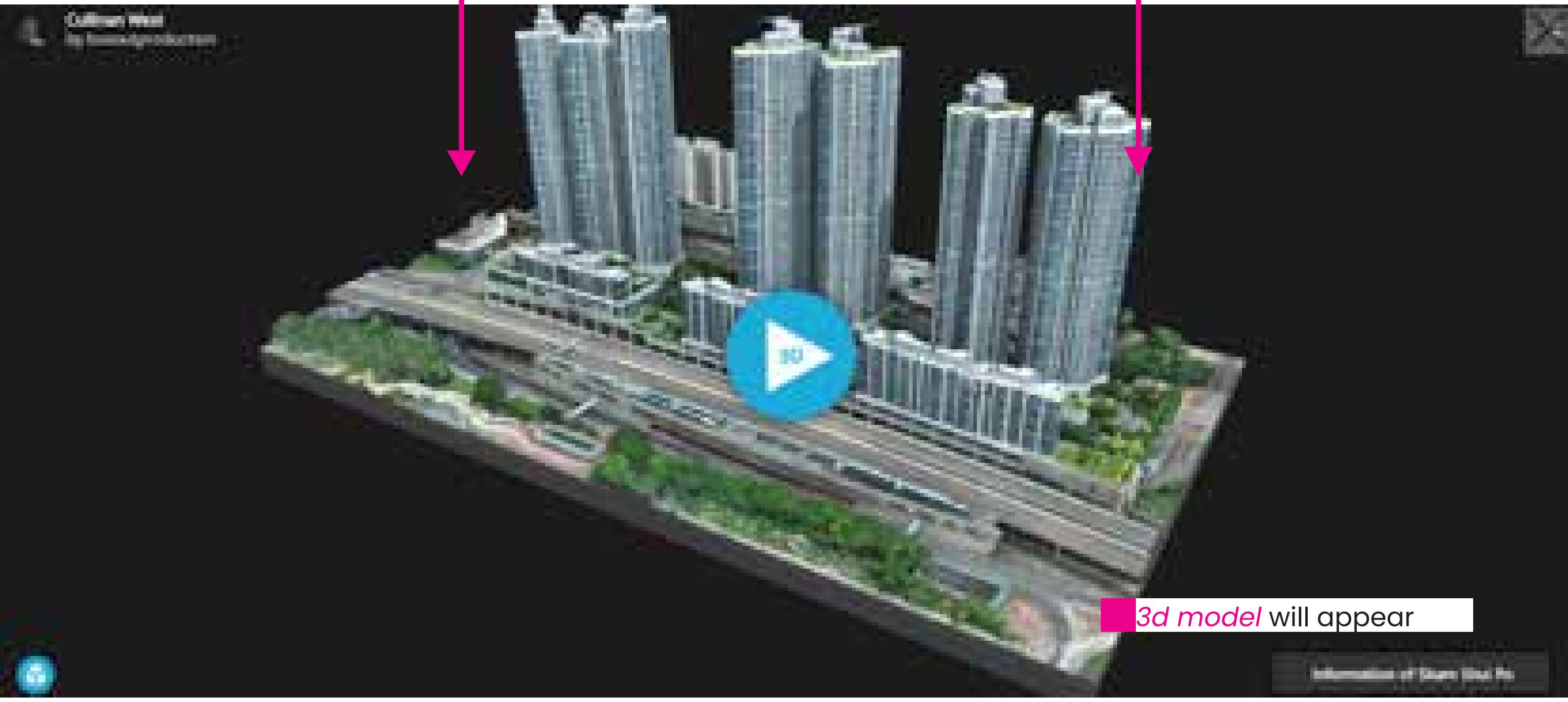
Click **THE OBJECT WITH ORANGE BORDER** to see *3d model*

(Virtual Map)



point to **ASSET ICON**, icon will transform to 3d model icon, then click to see *3d model*

(Virtual Map/3D Model)



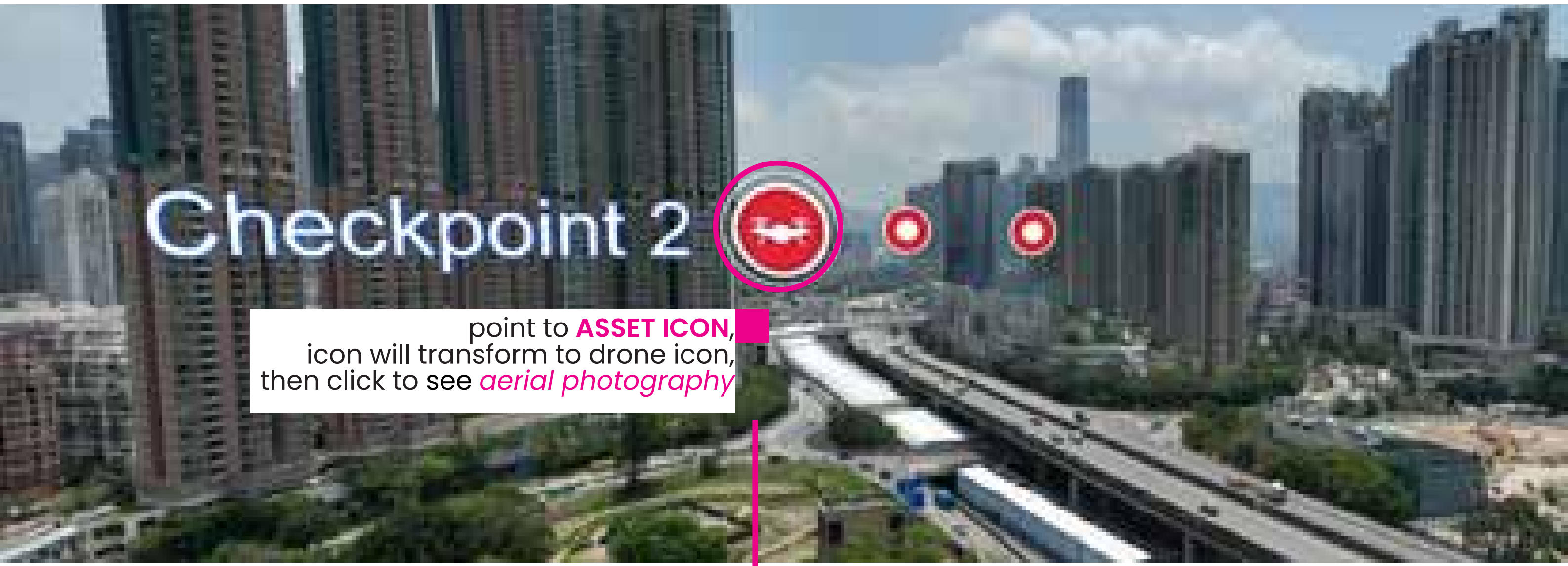
3d model will appear

6.2.4 AERIAL PHOTOGRAPHY

○ **ASSET ICON**

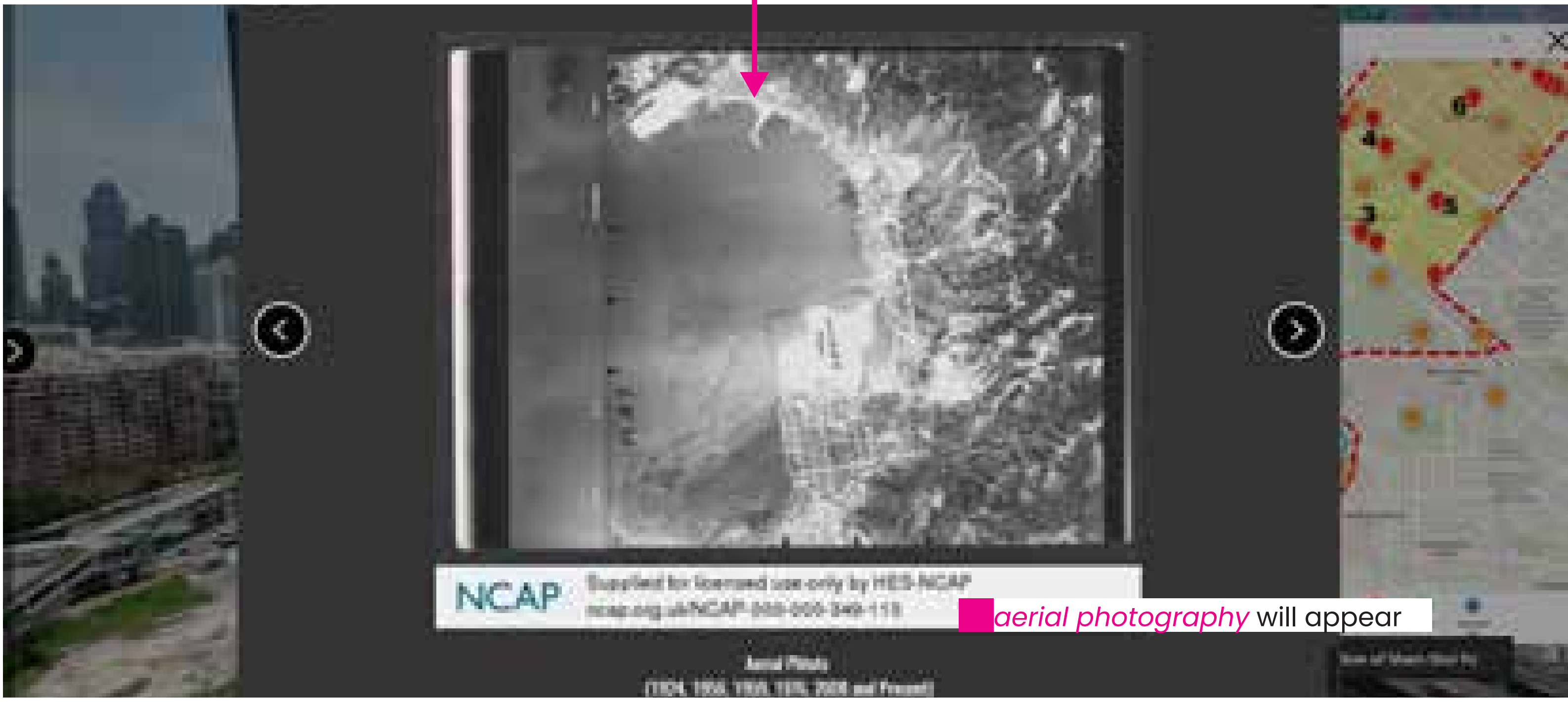
Users can access *the aerial photography* by hovering over **THE ASSET ICON**. Click **THE DRONE ICON** to open *the aerial photography content*

(Virtual Map)



point to **ASSET ICON**,
icon will transform to drone icon,
then click to see *aerial photography*

(Virtual Map/ Aerial Photography)



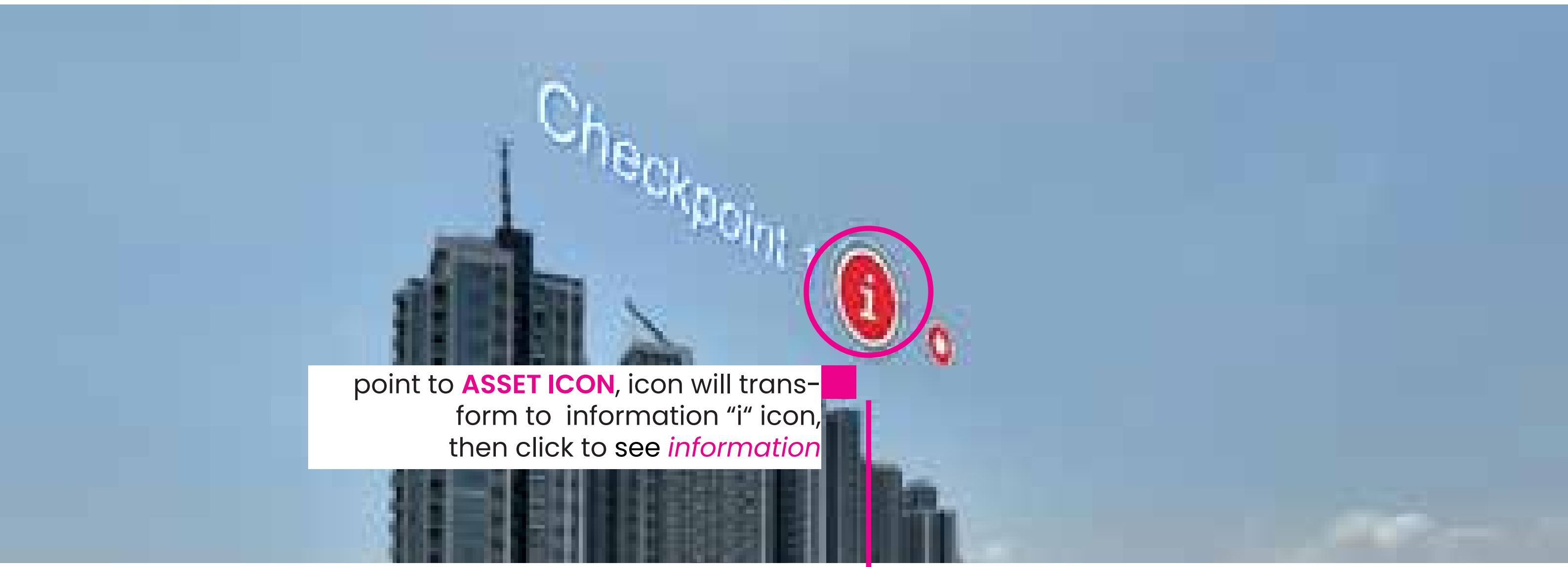
aerial photography will appear

6.2.5 INFORMATION

ASSET ICON

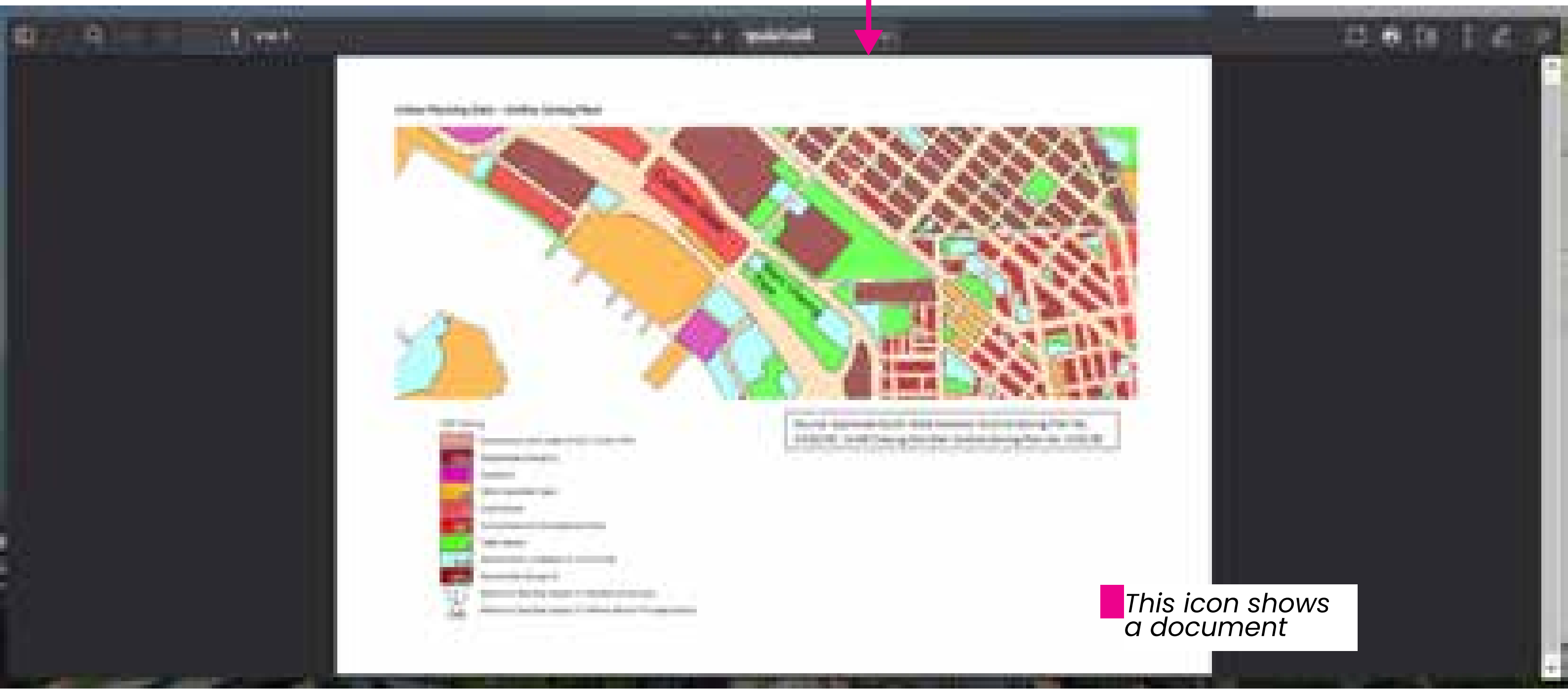
Users can access *the information document* by hovering over **THE ASSET ICON.** Click **THE "i" ICON** to open *the document* and read more information.

(Virtual Map)



point to **ASSET ICON**, icon will transform to information "i" icon, then click to see *information*

(Virtual Map/Information)



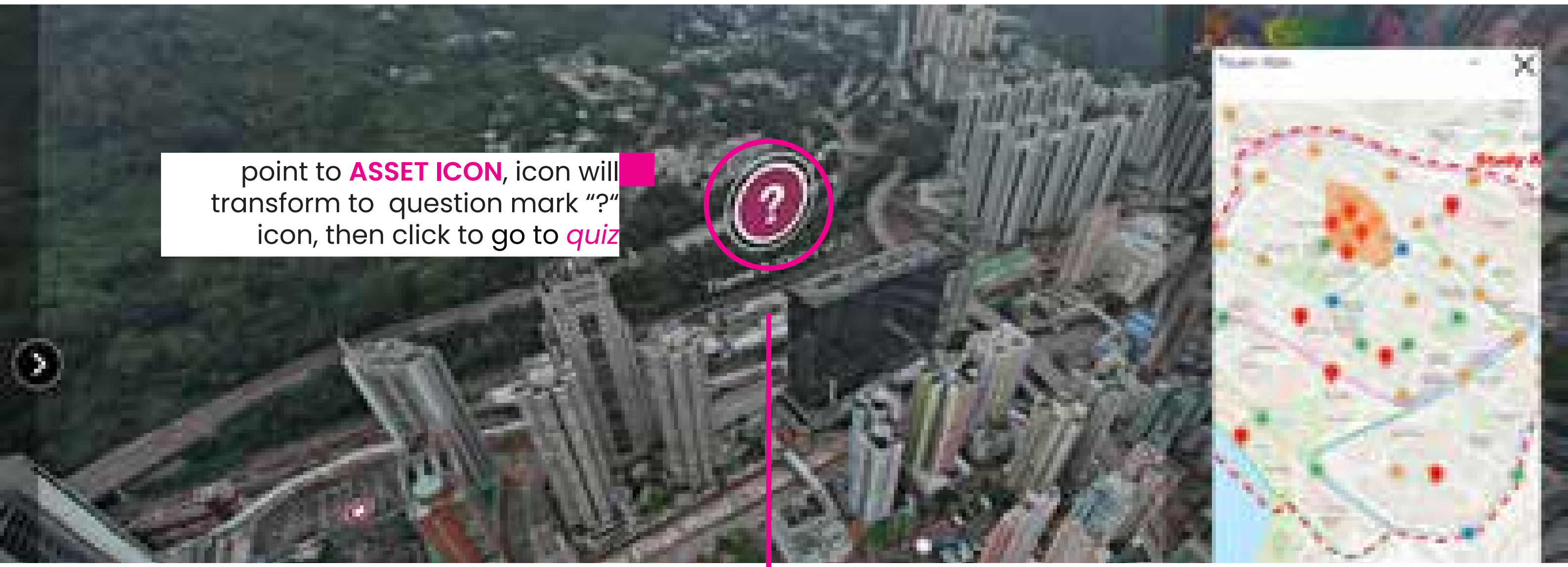
This icon shows a document

6.2.6 QUIZ

ASSET ICON

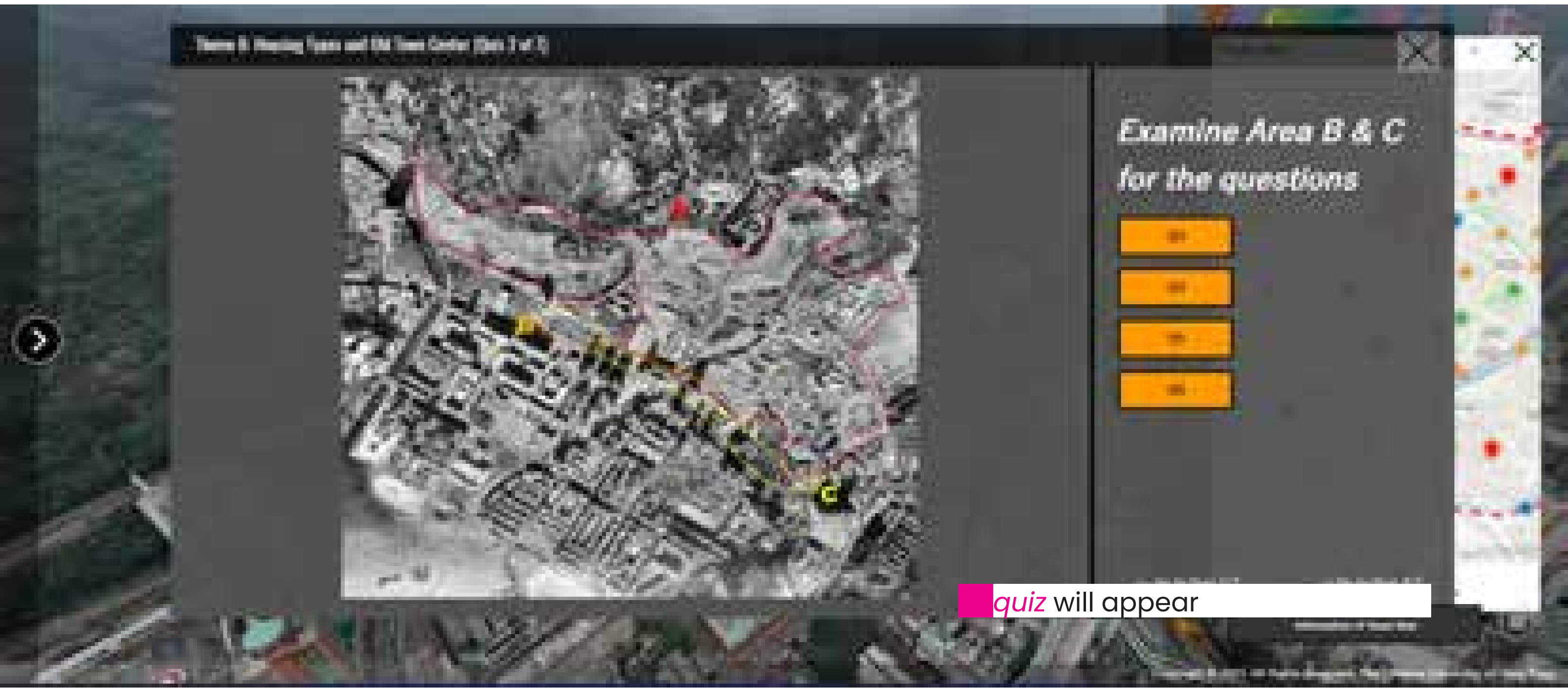
Users can access *the quiz content* by hovering over **THE ASSET ICON**. Click on **A QUESTION MARK ICON** to open *the quiz content* and embark on your quizzing journey. and test your understanding about the theme

(Virtual Map)



point to **ASSET ICON**, icon will transform to question mark "?" icon, then click to go to *quiz*

(Virtual Map/ Quiz)



Examine Area B & C for the questions

quiz will appear

VIRTUAL OVERSEAS FIELD TRIPS FOR GEOGRAPHY TEACHING AND LEARNING

The Virtual Overseas Field Trips for Geography Teaching and Learning Project. Funded by The Chinese University of Hong Kong and The Second Century Fund Chulalongkorn University (C2F).

CREDIT :

PRINCIPAL INVESTIGATOR (PI)

WONG Kwan Kit (PI-CUHK)
Pannee CHEEWINSIRIWAT (PI-Chula)

CO-PI

CHAN Chung-shing (CUHK)
LEE Wai Ying (CUHK)
WANG Lang (CUHK)
Thitirat PANBAMRUNGKIJ (Chula)
Ekkamol VANNAMETEE (Chula)
Areerut PATNUKAO (Chula)
Chanita DAUNGYIWA (Chula)

USER GUIDE GRAPHIC DESIGN

Krittin KLAIMEE

DEPARTMENTS

Department of Geography and Resource Management,
The Chinese University of Hong Kong (CUHK)

Department of Geography, Faculty of Arts,
Chulalongkorn University (Chula), Thailand.

PROJECT DURATION

24 months (from 1 July 2021 to 30 June 2023)

VIRTUAL OVERSEAS FIELD TRIPS FOR
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