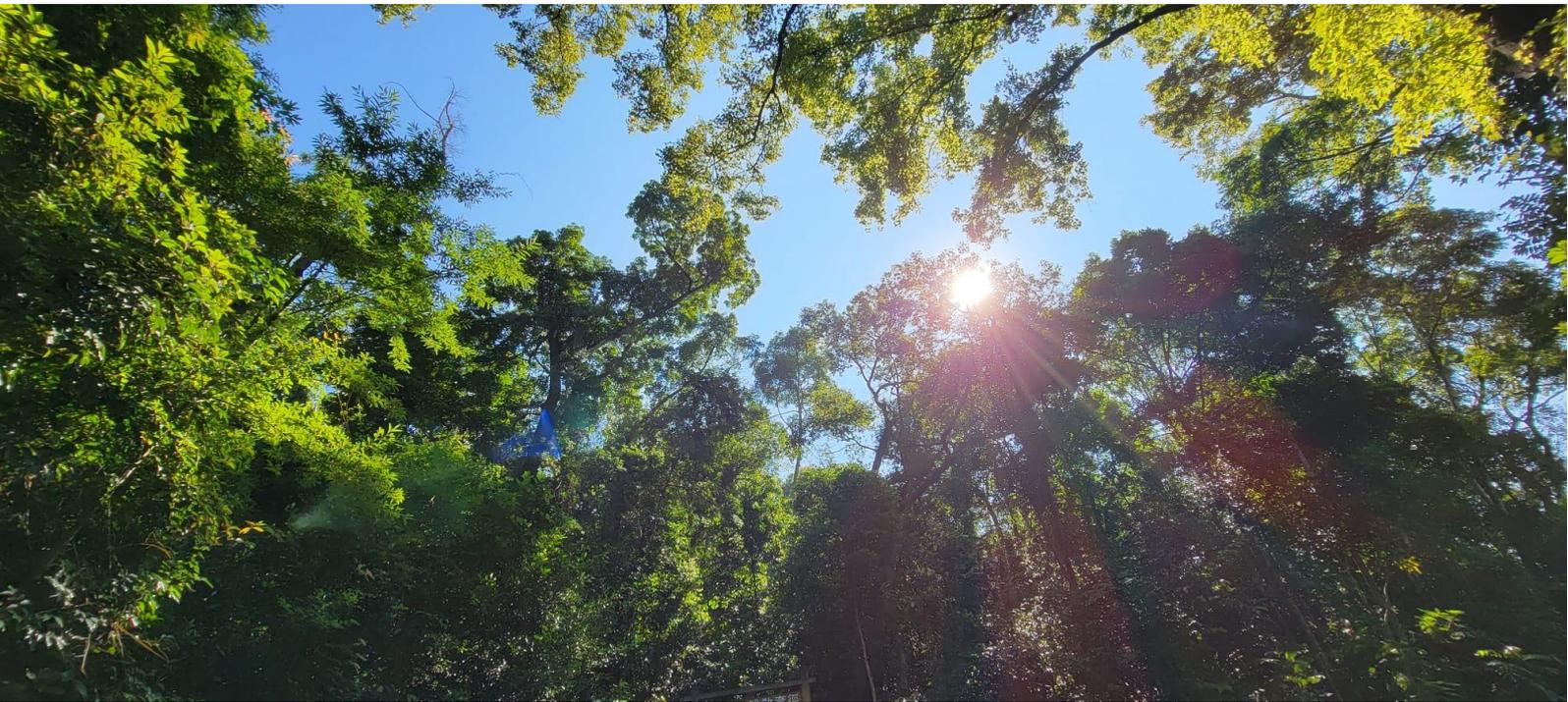


Manual on using EduVenture® VR to develop virtual field trip teaching materials in geography



香港中文大學 學習科學與科技中心

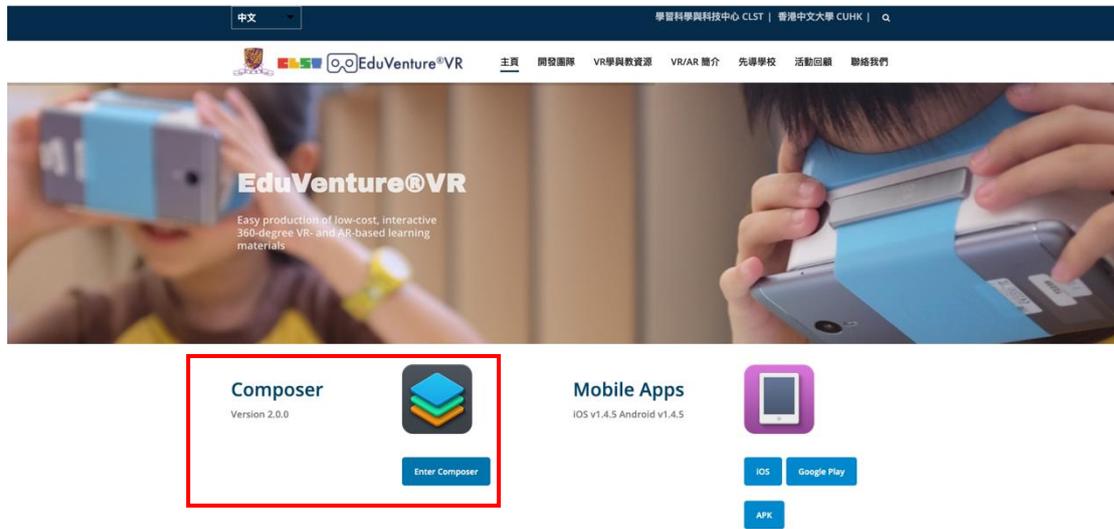
Curriculum Development Institute, Education Bureau

e-Learning in Geography Series (22):

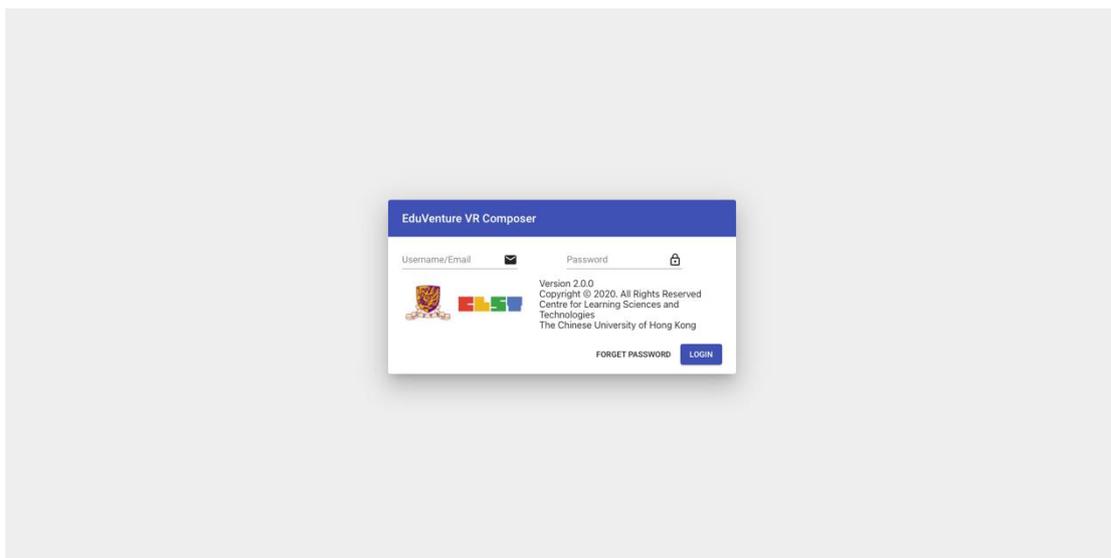
Workshops on using information technology to develop geography virtual fieldwork materials on forests (Refreshed)

1. Enter EduVenture® VR Website <http://vr.ev-cuhk.net/zh/>

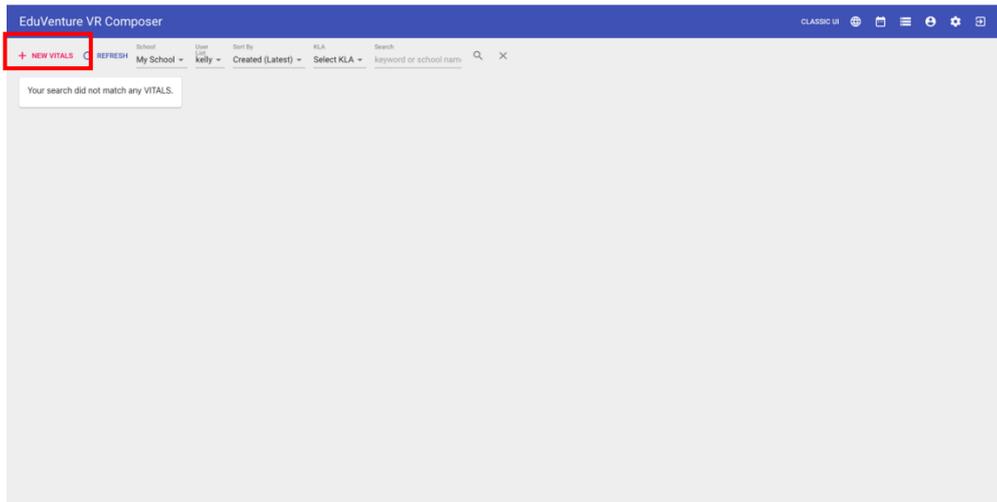
2. Click “Enter Composer”



3. Login to EduVenture® VR Composer



4. Click “New Vitals”



5. Enter the information of the new VITALS:

Name: Tai Po Kau and vicinity VR Field Trip (Plants)

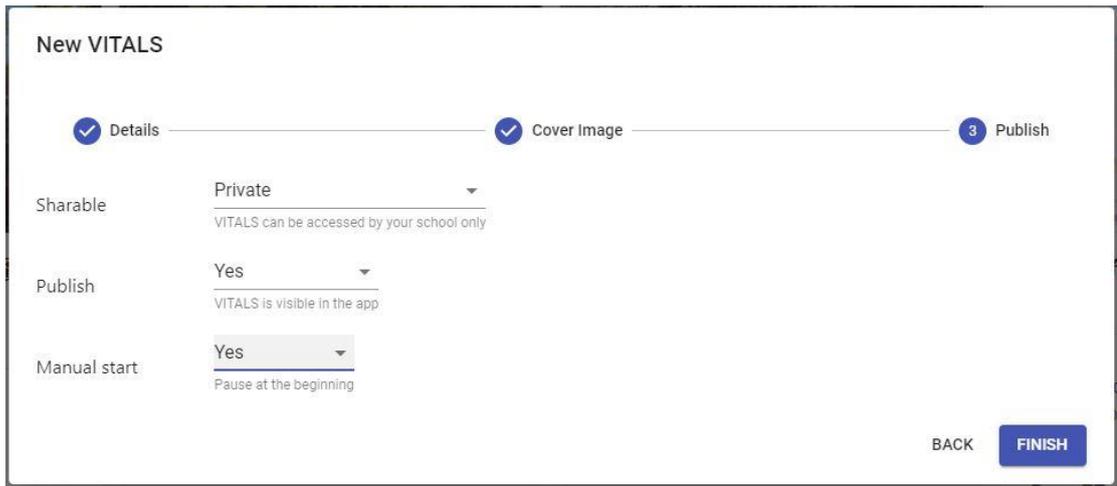
Description: The relationship between the slope aspect and the number of plants and characteristics

KLA: P.S.H.E.

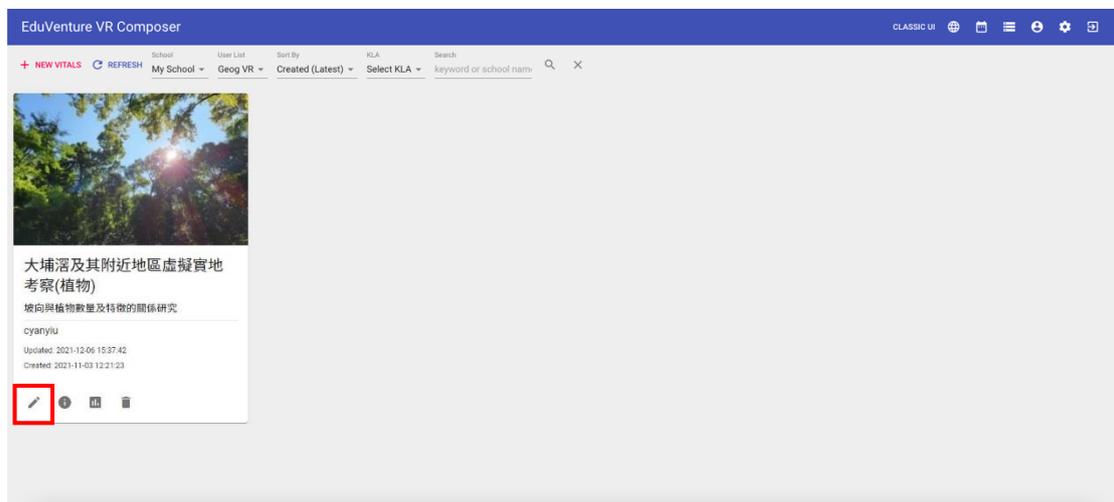
A screenshot of the 'New VITALS' form. The form is titled 'New VITALS' and has a progress indicator with three steps: '1 Details', '2 Cover Image', and '3 Publish'. The 'Details' step is active. The form contains three input fields: 'Name', 'Description', and 'KLA'. The 'KLA' field is a dropdown menu with the text 'Select KLA'. At the bottom right, there are two buttons: 'CANCEL' and 'NEXT'.

6. Insert a cover photo

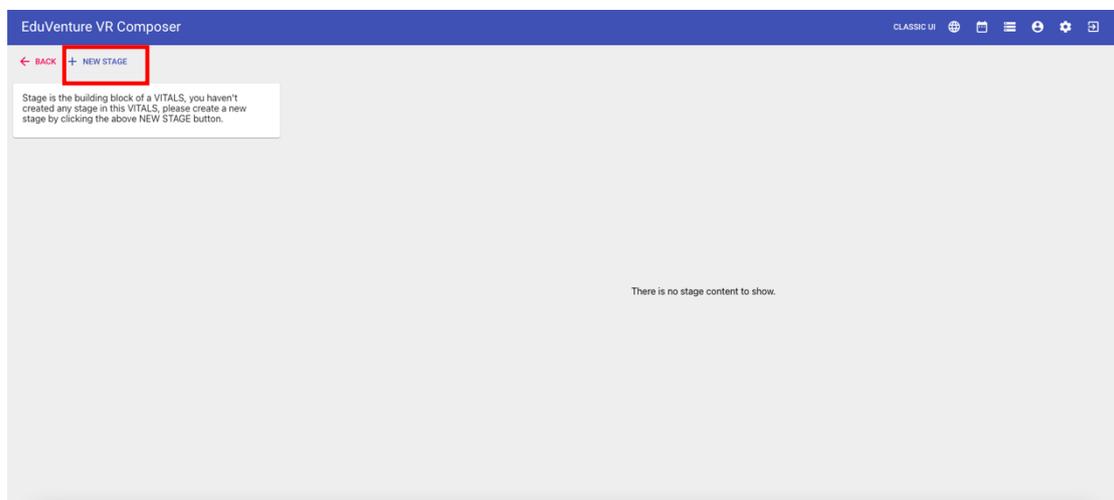
A screenshot of the 'New VITALS' form, now on the 'Cover Image' step. The progress indicator shows '1 Details' as completed and '2 Cover Image' as active. A photo of a sunlit forest scene is displayed in a central area. Below the photo, there is a text label 'Supported file type: jpg / jpeg / png' and a 'DELETE' button. At the bottom right, there are two buttons: 'BACK' and 'NEXT'.

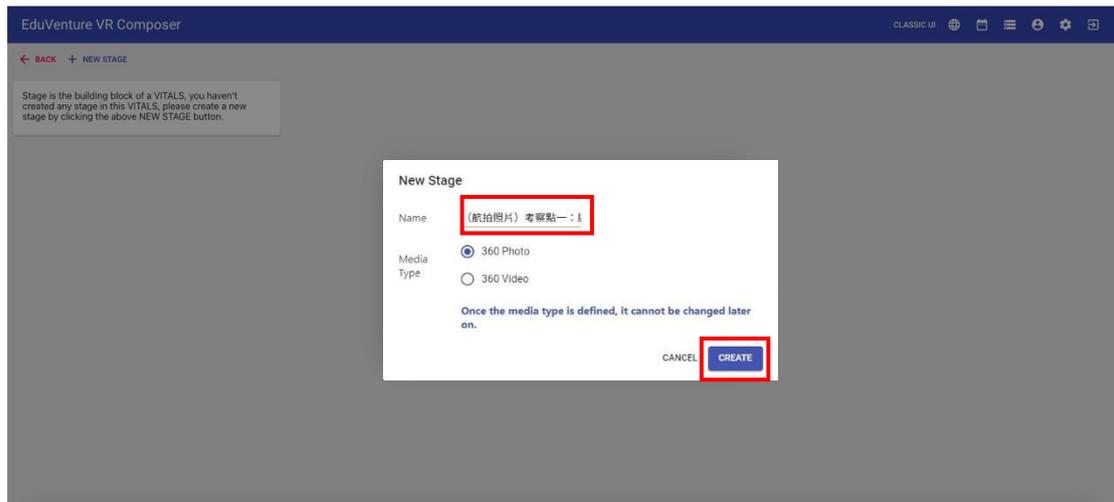


7. Click “Edit”

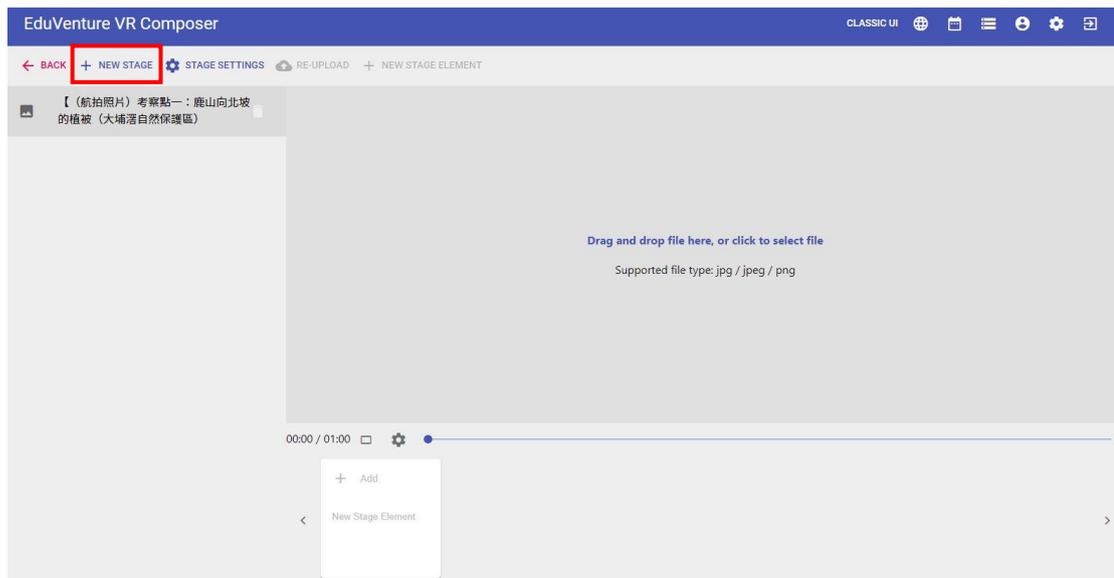


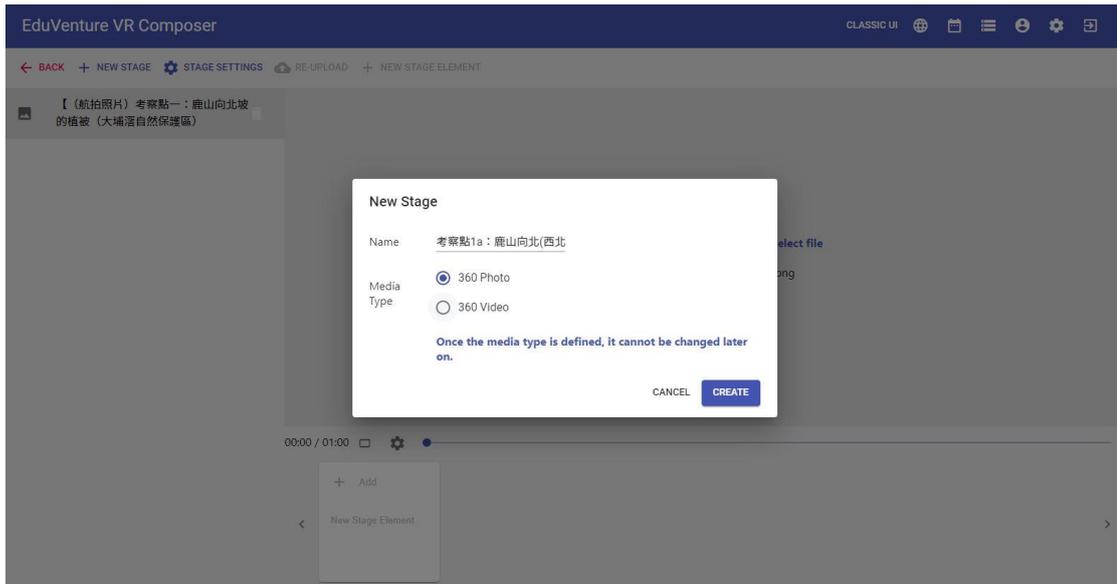
8. Create a new stage and type its name 【(Aerial photos) Field site 1a : Plants in a north-facing slope (North-West) in Luk Shan (Inside the Tai Po Kau Nature Reserve)】 . Choose “360 Photo” for media type, and press “Create”



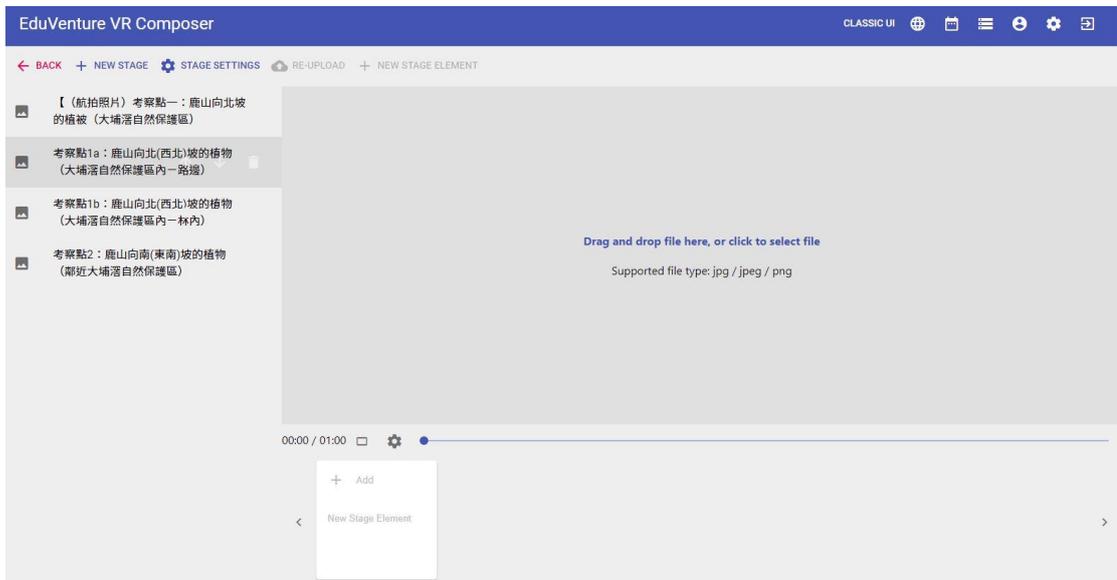


9. Create another new stage again and type its name 【Field site 1a : Plants in a north-facing slope (North-West) in Luk Shan (Tai Po Kau Nature Reserve – Road side)】 . Choose “360 Photo” for media type, and press “Create”





10. Repeat the above steps to create stages for **【 Field site 1b : Plants in a north-facing slope (North-West) in Luk Shan (Tai Po Kau Nature Reserve – Inside a woodland)】** , **【 Field site 2 : Plants in a south-facing slope (South-East) in Luk Shan (adjacent to Tai Po Kau Nature Reserve)】**



11. Choose **【(Aerial photos) Field site 1a : Plants in a north-facing slope (North-West) in Luk Shan (Inside the Tai Po Kau Nature Reserve)】**
Upload the 360 aerial photo of Field site 1a, and repeat the above steps for all field sites.

EduVenture VR Composer CLASSIC UI

← BACK + NEW STAGE STAGE SETTINGS RE-UPLOAD + NEW STAGE ELEMENT

- (前拍照片) 考察點一：鹿山向北坡的植被 (大埔滘自然保護區)
- 考察點1a：鹿山向北(西北)坡的植物 (大埔滘自然保護區內一路邊)
- 考察點1b：鹿山向北(西北)坡的植物 (大埔滘自然保護區內一林內)
- 考察點2：鹿山向南(東南)坡的植物 (鄰近大埔滘自然保護區)

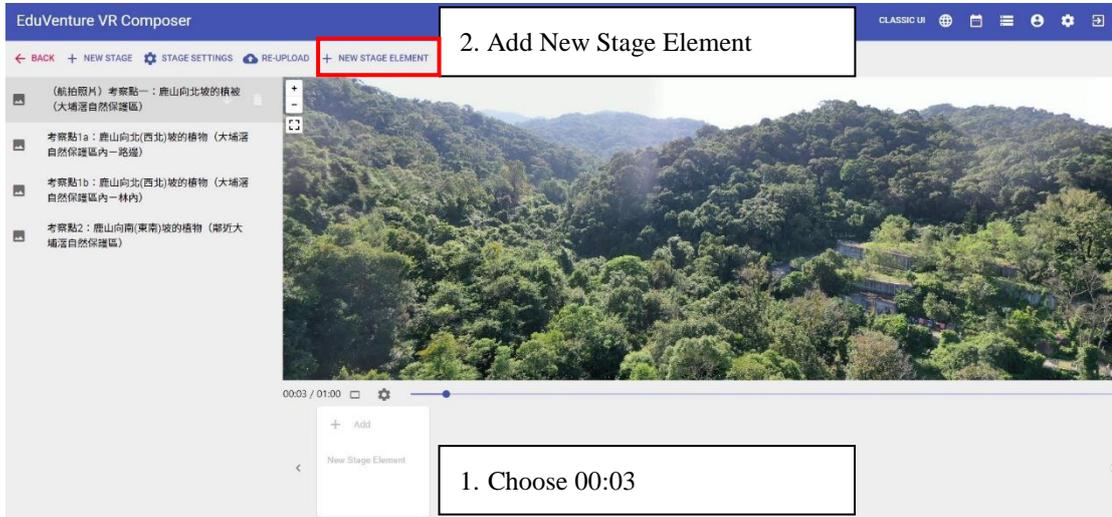


Upload Field site 1a 360 Aerial photo

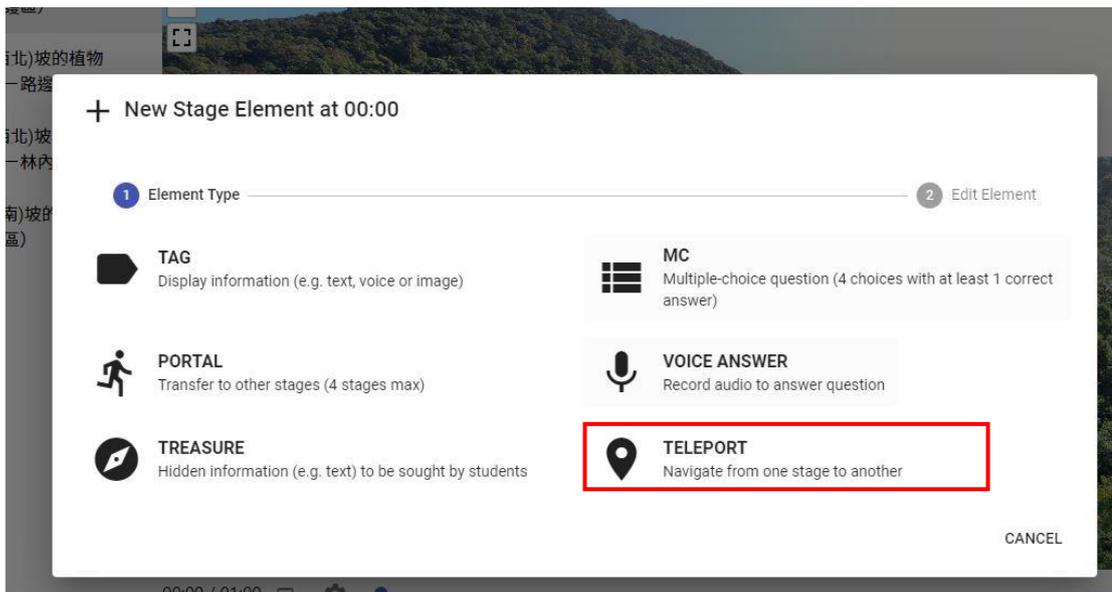
00:00 / 01:00

12. Choose 【(Aerial photos) Field site 1a : Plants in a north-facing slope (North-West) in Luk Shan (Inside the Tai Po Kau Nature Reserve)】

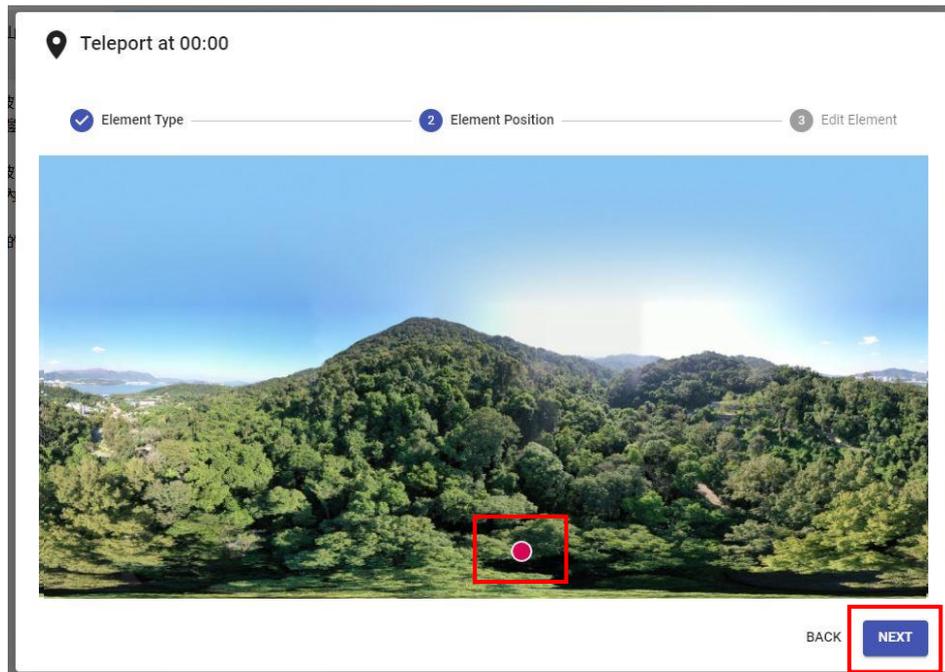
Add New Stage Element at 00:03.



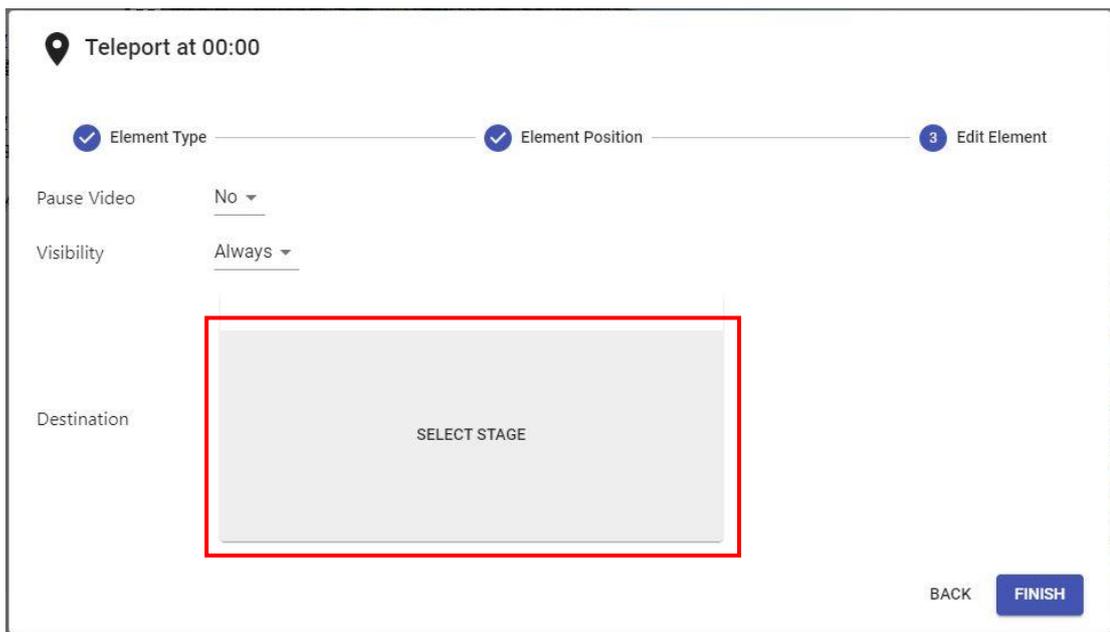
13. Choose “TELEPORT”



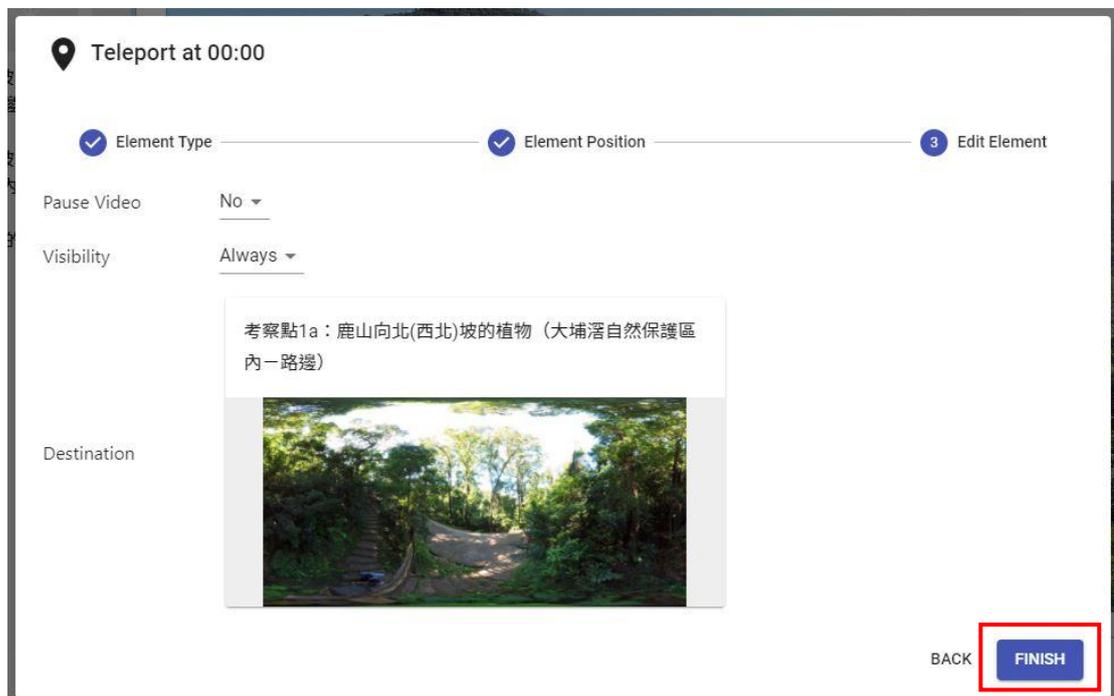
14. Locate the tag with a red dot, and then press “NEXT”



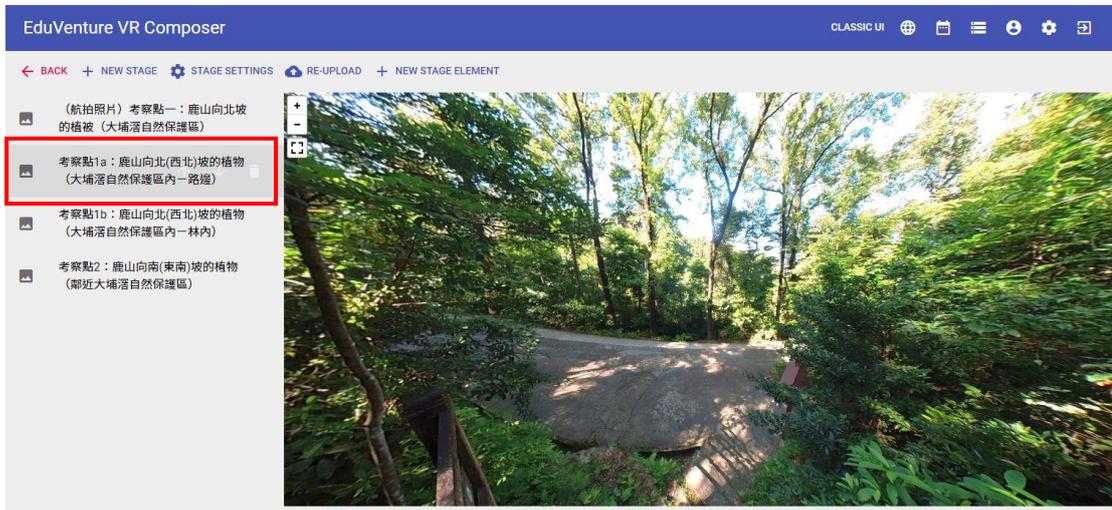
15. Choose “SELECT STAGE”



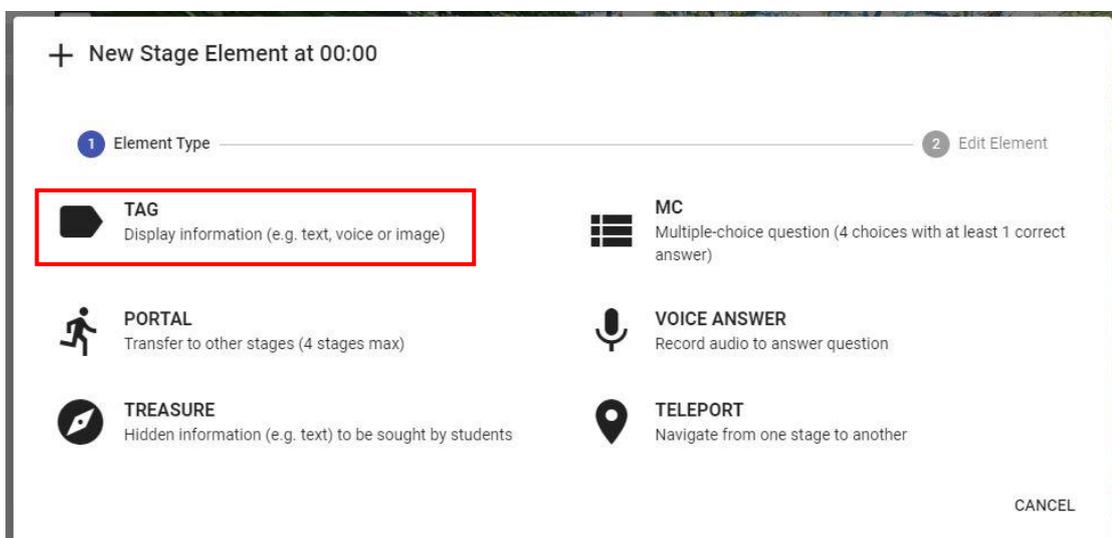
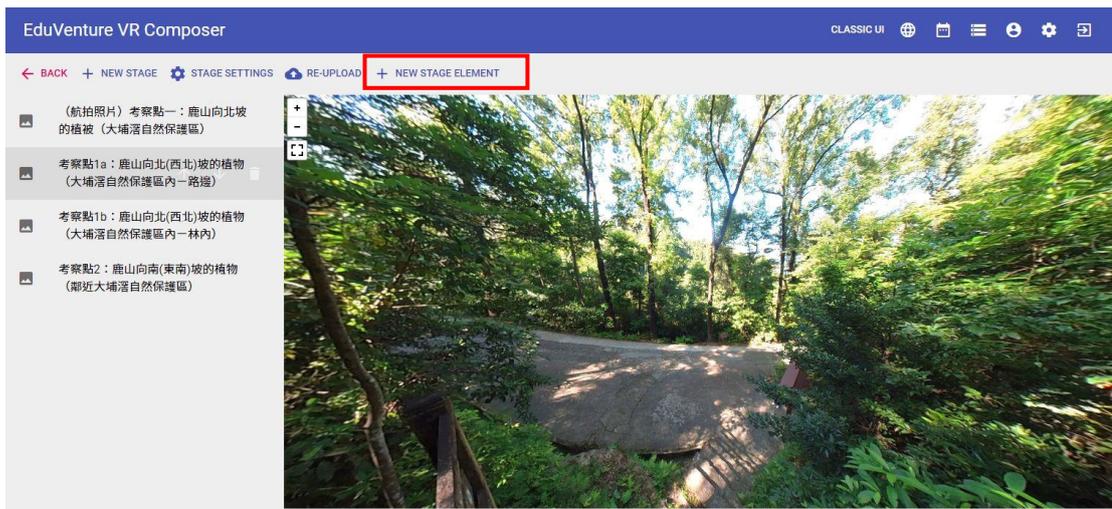
16. Choose the next destination 【Field site 1a : Plants in a north-facing slope (North-West) in Luk Shan (Tai Po Kau Nature Reserve – Road side)】, and press “FINISH”.



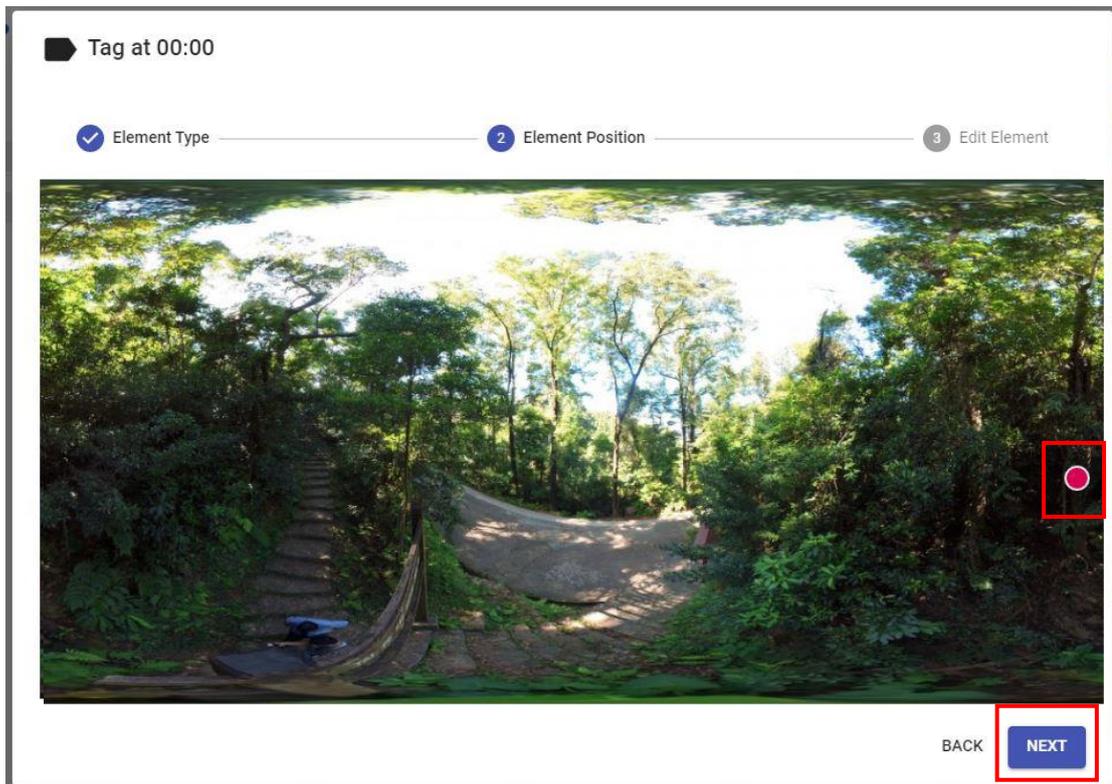
17. Go to 【Field site 1a : Plants in a north-facing slope (North-West) in Luk Shan (Tai Po Kau Nature Reserve – Road side)】



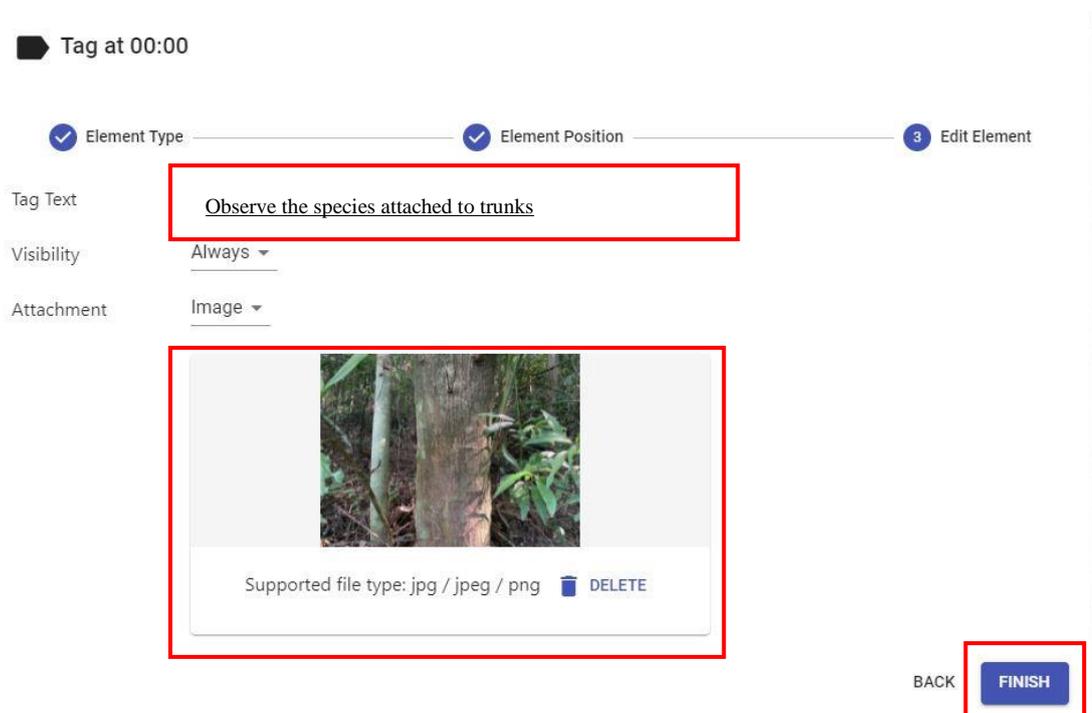
18. Add a new stage element and choose “TAG”



19. Locate the tag with a red dot, and then press “NEXT”



20. Input 【Observe the species attached to trunks】 , attach a photo in attachment, press “FINISH”.



21. The icon means a successful data input.



22. Repeat step 18-21 to input the data at Field site 1a.

Field site 1a : Plants in a north-facing slope (North-West) in Luk Shan (Tai Po Kau Nature Reserve – Road side)

23. Input the data below at Field site 1a: 【Crown width and shape】 , 【Observe the tree height (m)】 , 【Observe the species attached to trunks】 , 【Observe the circumference】 , 【Observe the plant shape】 , 【Observe the buttress roots】 , 【Observe the light intensity】 , 【Observe the particulate matter PM2.5】 , 【Observe the data (Wind speed, Temperature, Air pressure, Altitude, CO2)】 , 【Observe the data (Soil temperature, Soil moisture)】 , 【Observe the soil nitrates】 , 【Observe the soil calcium】 , 【Observe the soil electrical conductivity】 , 【Observe the soil pH value】

24. Repeat step 17-21 to input the data at Field site 1b.

Field site 1b : Plants in a north-facing slope (North-West) in Luk Shan (Tai Po Kau Nature Reserve – Inside a woodland)

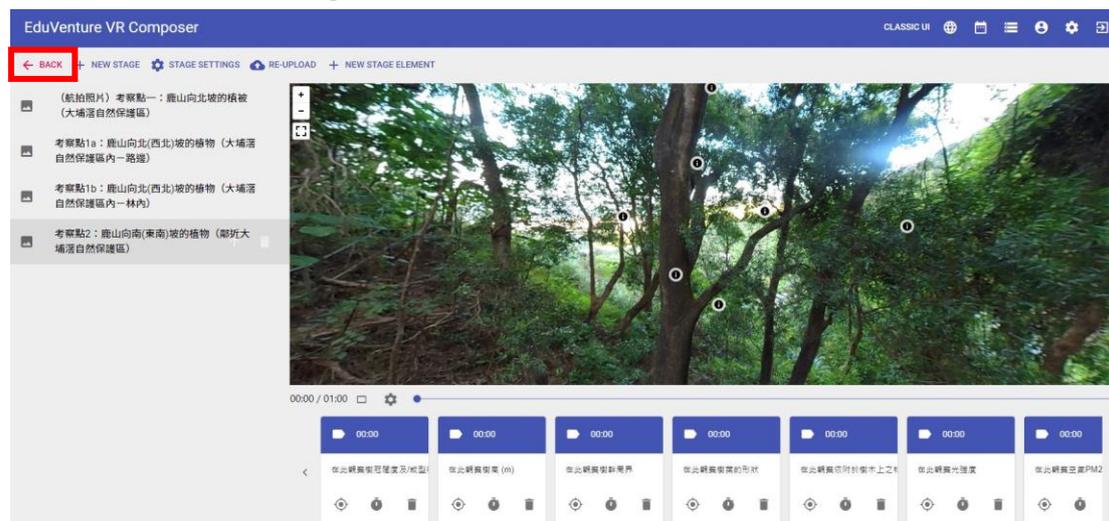
Input the data below at Field site 1b: 【Crown width and shape】 , 【Observe the Tree Height (m)】 , 【Observe the species attach to trunks】 , 【Observe the circumference】 , 【Observe the plant shape】 , 【Observe the buttress roots】 , 【Observe the light intensity】 , 【Observe the particulate matter PM2.5】 , 【Observe the data (Wind speed, Temperature, Air pressure, Altitude, CO2)】 , 【Observe the data (Soil temperature, soil moisture)】 , 【Observe the soil Nitrates】 , 【Observe the soil Calcium】 , 【Observe the soil electrical conductivity】 , 【Observe the soil pH value】

25. Repeat step 17 – 21 and add the data at Field site 2.

Field site 2 : Plants in a south-facing slope (South-East) in Luk Shan (adjacent to Tai Po Kau Nature Reserve)

Suggestion of adding the below data at field site 2: 【Crown width and shape】 , 【Observe the Tree Height (m)】 , 【Observe the data (Wind speed, Temperature, Air pressure, Altitude, CO2)】 , 【Observe the plant shape】 , 【Observe the species attached to trunks】 , 【Observe the circumference】 , 【Observe the Soil】 , 【Observe the Light intensity】 , 【Observe the Particulate matter PM2.5】

26. To share this teaching kit to students, click “BACK”



27. Choose “View/Edit Details”



28. Choose "Public" and share the link

Edit - 大埔滘及其附近地區虛擬實地考察(植物)

DETAILS COVER IMAGE PUBLISH

Sharable Public

Publish Yes
VITALS is visible in the app

Manual start Yes
Pause at the beginning

Link: eduventure.vr://?6c6f63610f093a30=657676725a554646

QR Code

CANCEL UPDATE

29. Download the teaching kit:

29.1 Download EduVenture VR App



EduVenture VR

29.2 Download EduVenture VR App at the following links

iOS	Android
https://apps.apple.com/hk/app/eduventure-vr/id1481552336	https://play.google.com/store/apps/details?id=cuhk.clst.evvr&hl=zh_HK&gl=US
	

29.3 Using a tablet or mobile phone, download Tai Po Kau and vicinity VR Field Trip (Plants) teaching kit from EduVenture VR App.

EduVenture VR teaching kit : Tai Po Kau and vicinity VR Field Trip (Plants)

Link: eduventure.vr://?6c6f63610f093a30=657676725a554646

(Note: This link is only applicable to tablets/mobile phones)

*To download the VR tour, please scan the QR code after installing EduVenture VR application

