

RGC Ref. No.: UGC/IIDS25/E01/20 _____ (please insert ref. above)
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**RESEARCH GRANTS COUNCIL  
COMPETITIVE RESEARCH FUNDING SCHEMES FOR  
THE LOCAL SELF-FINANCING DEGREE SECTOR**

**INTER-INSTITUTIONAL DEVELOPMENT SCHEME (IIDS)**

**Completion Report**  
(for completed projects only)

<b><u>Submission Deadlines:</u></b>	1. The unspent balance, if applicable, and auditor's report: within <b>six</b> months of the approved project completion date.
	2. Completion report: within <b>12</b> months of the approved project completion date.

**Part A: The Project and Investigator(s)**

**1. Project Title**

Workshop cum Seminar on Resilient Cities – International Workshop on Urban Landscape  
(IWUL) 2021

**2. Investigator(s) and Academic Department(s) / Unit(s) Involved**

Research Team	Name / Post	Unit / Department / Institution
Principal Investigator	Prof. CHEN Hung Chi Leslie / Professor	Faculty of Design & Environment/THEi
Co-Principal Investigator(s)	Ms. Sylvia NG / Lecturer	Faculty of Design & Environment/THEi
Co-Investigator(s)	Mr. Jevi King Chung Kwok/Lecturer Ms. Ya Tung Tsai/Lecturer Mr. Bosco So/Lecturer	Faculty of Design & Environment/THEi
Others	N/A	

**3. Project Duration**

	Original	Revised	Date of RGC / Institution Approval (must be quoted)
Project Start Date	01/01/21	N.A.	N.A.

Project Completion Date	31/12/21	N.A.	N.A.
Duration ( <i>in month</i> )	12 months	N.A.	N.A.
Deadline for Submission of Completion Report	31/12/22	N.A.	N.A.

## **Part B: The Final Report**

### **5. Collaboration with Other Self-Financing Degree-Awarding Institutions**

	<b>Name of Institution(s)</b>	<b>% of Participation</b>	<b>Distinctive Element(s) of the Institution in Responsible Project</b>
<b>Applying Institution</b>	THEi	100%	
<b>Collaborating Institution(s) (If any) #</b>	N/A		
	N/A		
	N/A		
<b>Total:</b>			

# *If no other eligible local self-financing degree-awarding institutions are involved, please input "N/A" in this table.*

### **6. Project Objectives**

#### **6.1 Objectives as per original application**

The main objectives of the event are to enhance the research capabilities of academics in THEi's landscape programme, and keep up to pace with new developments and challenging research topics in the field of resilient cities, in order to achieve climatic defense and sustainable development goals.

The seminar, exhibition, and publications also aim to:

1. Serve as a platform for local and international professionals and academics to exchange novel ideas and share their experiences in sustainable landscape planning and design, and identify resilient cities for further discussion and development towards best practices;
2. Provide opportunities for teachers and students to exchange their experiences, good practices, and challenges with other universities in the area of urban landscape topics related to resilient cities;
3. Keep professionals, academics, and students updated on the latest technologies and theoretical development in the field of resilient design;
4. Promote climatic defense and sustainable development with due consideration to their site planning and design, and technological development of the industry;
5. Increase public engagement and awareness towards resilient cities and sustainable development;

The educational objectives of the workshop for students are:

6. To facilitate learning about the design process, including developing alternative concepts, developing general and detailed considerations at different levels, synthesis of final design solution, and creative ways of solving real-world problems;
7. To apply the knowledge acquired from other courses for the formulation of design strategy;

## 6.2 Revised objectives

Date of approval from the RGC: N.A.

Reasons for the change:

- 1.
- 2.
3. ....

## 6.3 Realisation of the objectives

*(Maximum 1 page; please state how and to what extent the project objectives have been achieved; give reasons for under-achievements and outline attempts to overcome problems, if any)*

1. Serve as a platform for local and international professionals and academics to exchange novel ideas and share their experiences in sustainable landscape planning and design, and identify resilient cities for further discussion and development towards best practices;
  - Seminars given by academics from 6 different countries, topics included phytoremediation, hydrology in a landscape design context, sustainable and resilient site design, post pandemic Asian cities; cultural heritage and neighborhood design; biophilia in cities; people empowerment through landscape restoration and the importance of design education.
  - Through engagement with the local communities at the project site at Pokfulam Village, students and practitioners from 5 countries worked together and produced practical short and long term design solutions for enhancing and improving the village.
  - Since it was online sharing for all seminars, all professionals and academics were able to share ideas through their presentations. Without face to face interaction nor post workshop activities, it was inevitable that discussion was limited.
2. Provide opportunities for teachers and students to exchange their experiences, good practices, and challenges with other universities in the area of urban landscape topics related to resilient cities
  - Workshop facilitated exchange of ideas: students proposed design schemes and presented, each student group included students from different universities

- Through the workshop, students and practitioners offered design solutions and advise and in return, the villagers and local NGO produced local cultural souvenirs for all participants. These souvenirs and a publication were sent back to all participants by post.
  - The exchange of knowledge also extended to a special design studio after the workshop where students continued to work with the locals on developing the future vision for the village. Students had a more in depth study on strategies to continue the resilience of the place as a unique living environment for both legal small houses and illegal squatters. They worked with the local villagers and NGO to build and develop their future visions as well as helping the villagers to physically built small shelters and signage.  
360 degree online virtual walk through via Matterport website for public to view:  
<https://my.matterport.com/show/?m=r3dQJHx3ZEm>
3. Keep professionals, academics, and students updated on the latest technologies and theoretical development in the field of resilient design;
    - With both the seminars and workshops, students; academics and professionals could share their local experiences and vision relating to resilient landscape designs.
    - Using Pokfulam village as a testing ground for all to give proposals which could in turn benefit the end users at the village.
    - For the locals from Pokfulam village, this was also an eye opening experience on the collaboration with landscape architects from all over the world. The collaboration inspired them on the leadership role of the landscape architect as a designer of the environment. Bringing together villagers and their heritage to their land through deeper understanding of the hydrology and ecology of their land.
  4. Promote climatic defense and sustainable development with due consideration to their site planning and design, and technological development of the industry;
    - Through the collaboration, student work introduced design solutions for the village to improve their drainage system; possibility on combining rain water harvesting to playground; ideas on promoting their cultural heritage through gameboard design; mobile app design show casing their village current cultural activities and by bringing their presence onto the digital platform. All these new activities will provide revenue for the village cultural heritage organization which in turn will benefit the livelihood of the village.
  5. Increase public engagement and awareness towards resilient cities and sustainable development;
    - Through public exhibition, guided tours and free publications for local villagers and outside visitors. A 360 degree online virtual exhibitions were created under Matterport website for sharing to others:
      - i. Dairy Farm workers club space:  
<https://my.matterport.com/show/?m=6BTnTpDmbpG>
      - ii. Historical House space:  
<https://my.matterport.com/show/?m=aMfLgHdY4KE>
    - The workshop booklet is also downloadable for free at issuu.  
[https://issuu.com/monikajong/docs/20211125\\_iwul\\_booklet](https://issuu.com/monikajong/docs/20211125_iwul_booklet)
    - The workshop postcard sets is downloadable for free at issuu.  
[https://issuu.com/poadesign/docs/20210921\\_leaflet\\_postcards](https://issuu.com/poadesign/docs/20210921_leaflet_postcards)
    - Throughout the collaboration, the workshop engaged Pokfulam Villagers; local NGO, Caritas and Drainage Services Department representatives currently working at the village.
  6. To facilitate learning about the design process, including developing alternative concepts,

- developing general and detailed considerations at different levels, synthesis of final design solution, and creative ways of solving real-world problems;
- During the semi online workshop, students work together from the 5 universities but because it was online, only limited interaction and partial understanding of site Pokfulam village. THEi HK students took a lot of effort to guide the overseas and online teammates in order to complete the design tasks. THEi team also provided detailed videos of the site and “live” zoom gatherings whenever possible to involve as many overseas participants as possible. However, all students and participants would have benefitted more if the workshop was entirely face to face from start to finish.
  - THEi Students had further studied the revitalization of the 2 historic Dairy Farm staff quarters building blocks. Currently, they are owned by Dairy Farm Company till 2031 and the PFLV is looking into revitalization schemes. Students have done some proposals for the village for their review.
  - THEi Students also worked with the local conditions and designed special street furnishings prototypes. They worked with the local villagers and Caritas to deal with the lack of places for sharing village information by design and built 3 signage proposals. Dealing with the growing number of elderly in the village and many steep and narrow slopes, students built a foldable wall mount bench prototype for the villagers.
7. To apply the knowledge acquired from other courses for the formulation of design strategy;
- THEi Students have modules where they study detailed design and materials and construction which equipped them to understand different types of building materials; joinery options and durability as well as different method of construction.
  - Students designed and built signages with bamboo; thread; zinc plates and plexiglass for the village.
  - Students used upcycled Acacia wood from a yard waste lumber yard and built the prototype foldable chair for the staircase zone in the village.
  - For the shelter in the community garden, students worked with the local bamboo craftsman and built a shelter made of bamboo. 360 degree online virtual walk through via Matterport website for public to view:  
<https://my.matterport.com/show/?m=r3dQJHx3ZEm>

## Summary of objectives addressed to date

<b>Objectives</b>	<b>Addressed</b> <i>(please tick)</i>	<b>Percentage Achieved</b> <i>(please estimate)</i>
1. Serve as a platform for local and international professionals and academics to exchange ideas on sustainable and resilient landscape architecture.	Yes	95%
2. Provide opportunities for teachers and students to exchange their experiences, good practices, and challenges with other universities in the area of urban landscape topics related to resilient cities	Yes	100%
3. Keep professionals, academics, and students updated on the latest technologies and theoretical development in the field of resilient design	Yes	100%
4. Promote climatic defense and sustainable development with due consideration to their site planning and design, and technological development of the industry;	Yes	100%
5. Increase public engagement and awareness towards resilient cities and sustainable development;	Yes	100%
6. To facilitate learning about the design process, including developing alternative concepts, developing general and detailed considerations at different levels, synthesis of final design solution, and creative ways of solving real-world problems;	Yes	95%
7. To apply the knowledge acquired from other courses for the formulation of design strategy;	Yes	100%

## 6.4 Project progress

<b>Original Implementation Schedule</b>	<b>Revised Implementation Schedule (Date of RGC's Approval)</b>	<b>Updated Progress</b>
Publication dissemination stage: 01/01/21-31/03/21	N/A	Completed
IWUL preparation stage: 01/01/21-31/03/21	N/A	Completed
IWUL development & promotion stage: 01/04/21-31/07/21	N/A	Completed
IWUL implementation stage: 01/08/21-31/08/21	N/A	Completed
Exhibition of workshop: 01/09/21-30/09/21	N/A	Completed
Exhibition of workshop + relevant scope and way forward: 01/12/21-30/12/21	N/A	Completed

## 6.5 Speaker(s)

<b>Title / Name (Surname in Capital Letters)</b>	<b>Post / Institution</b>	<b>Title / Topic of Presentation / Course</b>	<b>Previous Research Links with Hong Kong Institutions (Nature and Date (Month / Year))</b>
Prof. Makoto YOKOHARI	Professor/The University of Tokyo	Urban Agriculture	N/A
Prof. Ariya ARUNINTA	Professor/Chulalongkorn University	Blue infrastructure *	N/A
Prof. Gintaras STAUSKIS	Professor/Vilnius Gediminas Technical University, Lithuania	Landscape Architecture for Sustainable Sites*	N/A
Prof. SueAnne WARE	Professor/The University of Newcastle, Australia	Landscape remediation *	N/A
Prof. Leon Wei Leong LOH	Professor/Kyu-shu University	Design Education*	N/A
Prof. Kazuo ASAHIRO	Professor/Kyu-shu University	Landscape Conservation	N/A
Prof. TAN Puay Yok	Professor/National University of Singapore	Transdisciplinary approach for landscape design *	N/A
Dr. Alessio RUSSO	Senior Lecturer/University of Gloucestershire	Designing Nature-Based Solutions for Urban Resilience **	N/A

\* Title changed from original submission: There was a slight change in the title for some of the talks because the speakers adjusted their lectures to be more relevant to the Pokfulam Village site. This slight change was welcomed because they set the scene for the workshop appropriately.

\*\* Change of speaker: Dr Russo was invited to replace Professor Pavinee at the last minute because she decided not to participate at the end.

- 6.6 Please provide details of the activities organized, including the theme / objectives of the activities, targeted participants, attendance, analysis of participants, e.g. country of origin, research background, etc., evaluation forms of the activities and a summary of the participants' evaluation. (Photos of the activities are preferred.)

The workshop was a 7 day workshop from 2<sup>nd</sup> Aug 2021 – 10<sup>th</sup> Aug 2021. We organized 2 key seminars per day for 5 days; together with daily studio workshop, tutorials and presentations. Please refer to Annex report I(a); I(b) and II(a) for the detailed workshop schedule and seminar excerpts. We had a total of 50 participants; 100% participation rate from all 5 universities. Some local Pokfulam villagers and some internal and external THEi tutors also joined.

Activities organized:

- Online public seminars – 8 distinguished speakers of academia and professionals from 6 countries, Thailand; Japan; Lithuania; UK; Singapore; Australia, gave insightful presentations on resilient landscape and cities. Please refer to ANNEX I(b); I(d);
- Online workshop – We provided video and ppt background information of Pokfulam village site for all participants and predetermined 5 themes. Refer to Annex II (d). Each team consisted of tutors and students from each University which provided a successful platform for all to exchange ideas and discussion. Each thematic group worked together and prepared a presentation with design ideas on the last day. Refer to Annex III. A lot of interesting ideas were generated and THEi team brought the presentations back to share with the Pokfulam village. All ideas were very well received by the villagers. Refer to Annex III(a). We also had a closing ceremony at the end of the workshop. Refer to Annex III(c). All students received a certificate after the workshop. We prepared also a video highlight of the workshop, refer to link:  
[https://drive.google.com/drive/folders/1hjuXVcH97T7jNqaxpkNL0ZAsUMR0I2qQ?usp=share\\_link](https://drive.google.com/drive/folders/1hjuXVcH97T7jNqaxpkNL0ZAsUMR0I2qQ?usp=share_link)
- Online virtual site visit – Professional drone and interview videos were made from Pokfulam village to provide all participants with the background. Refer to the link for the videos -  
[https://drive.google.com/drive/folders/15HzSmAyMnDj4YMw1GtxRIyD0z2C5qUIN?usp=share\\_link](https://drive.google.com/drive/folders/15HzSmAyMnDj4YMw1GtxRIyD0z2C5qUIN?usp=share_link)
- Public exhibition (THEi and Pokfulam Village) – 2 exhibitions were held after the workshop. One was held at THEi exhibition hall (refer to Annex IV(a).) and the other one on site at the Pokfulam Village historic buildings (refer to Annex IV(b)). The intention to hold one exhibition at THEi was to engage all universities again online to see the exhibition as well as to meet online some of the invited villagers to exchange ideas. The on site exhibition was to engage local villagers as well as the general public to visit Pokfulam village to see the design outcome of the workshop. It also brought awareness for the general public on topics of landscape architecture; resilient; sustainable design solutions and cultural heritage at the Pokfulam village. The Pokfulam village exhibitions created an online virtual exhibition via a web based platform where participants could do a walk-thru.  
<https://my.matterport.com/show/?m=6BTnTpDmbpG>  
<https://my.matterport.com/show/?m=aMfLgHdY4KE>
- Guided tours (Pokfulam Village) – Students and THEi tutors brought the guided tours to introduce the general public on resilient landscape at Pokfulam village (refer to Annex IV(d))



- Post Workshop Studio – Thei students of 12 had a studio based project on Pokfulam village after the workshop. Students did role play as village stake holders and had a better understanding on the needs of the village.(Refer to Annex V(a)) They also engaged in designing and making of signages (Refer to Annex V(b))and bamboo shade structures for the village . Refer to Annex V(e) and a link to the “walk thru” <https://my.matterport.com/show/?m=r3dQJHx3ZEM>
- Students also did a revitalization design project for the village. (Refer to Annex V(d))

Analysis of participants:

Students and teachers from Turkey, Japan, Korea, Thailand and Hong Kong - ~50 participants.

Speakers from the UK, Lithuania, Singapore, Australia, Thailand and Japan - Pokfulam Village and Caritas participants. – 6 participants from the village.

Evaluation forms: Despite the online nature of the workshop, the outcome of the workshop was extremely successful and all participants felt that the experience was a very fruitful one. They also gave high praises on the organization and execution of the whole workshop; exhibitions (actual and virtual). Village representatives also had high praises on the professionalism of the students and THEi and thought that the collaboration was one of their best experiences in school collaborations throughout the years. Please refer to Annex VII for email excerpts from the workshop participants.

## 7. Research-Related Outcome

- 7.1 Potential for development into research proposal and the proposed course of action  
(*Maximum half a page*)  
NA

- 7.2 Research collaboration achieved  
(*Please give details on the achievement and its relevant impact*)

Through this workshop, we have collaborated with our IWUL partners successfully, despite the online nature of the workshop. We have reinforced our ties with these international partners which will ensure the annual workshop as a meaningful event for the students at THEi. Throughout the week, we learnt a lot from all the seminars and workshops with all the international students on the topic of resilient city. Resilient city design solutions could be applied on many different scales, such as regional; district and site scale. Since the workshop was online, it was appropriate to pick a site that is a smaller in size but with enough layers of complexities which helped to generate different design outcome and discussions relating to resiliency in landscape architecture. With Pokfulam village being the workshop site, THEi has developed a new connection with the Pokfulam Cultural Landscape Conservation group as well as Pokfulam village based Caritas Community Development Service. This connection could lead to future collaboration and perhaps internships for students who wished to do work on cultural landscape; public driven design related projects.

- 7.3 Any new development and/or challenging research topic(s) has / have been identified and any new initiative(s) for future research has / have been inspired.

With the connection with the Pokfulam Village Cultural group, we could have further research opportunities in the future. Apart from collaboration in learning and teaching, we could also give students internship opportunities to work for the village.

## **8. The Layman's Summary**

*(Describe in layman's language the nature, significance and value of the research activities, in no more than 200 words)*

The “Resilient Cities” workshop was held on 2<sup>nd</sup> Aug – 10<sup>th</sup> Aug 2021 in Hong Kong in collaboration with the “International Workshop on Urban Landscapes” (IWUL) members. Members consist of 5 participating Universities, namely Technological & Higher Education Institute of HK (THEi) ; Tokyo City University; Chulalongkong University; University of Seoul; Istanbul Technical University. Originally it was a face to face workshop but due to Covid-19, the entire workshop was conducted online with online softwares. Apart from the 5 collaborative partnering Universities, we also had other professionals and academic participated through their sharing seminar sessions during the workshop. The 7 days workshop was a combination of seminars; live streaming site visit at the project site, Pokfulam Village. The IWUL 2021 focused on “resilient cities” which integrated with 8 seminars, 7 days workshop and concluded with 2 exhibitions – one at THEi, Hong Kong and the other one on site at Pokfulam Village, Hong Kong and a final publication which summarized the whole event. There was also post workshop design studio collaboration with the Pokfulam village and the whole event was extremely fruitful both for the participating Universities; students as well as the Pokfulam Village.

**Part C: Research Output****9. Recognized Conference(s) Paper(s) Related To This Project Was / Were Delivered (As Applicable)***(Please attach a copy of each conference abstract)*

<b>Month / Year / Place</b>	<b>Title</b>	<b>Conference Name</b>	<b>Submitted to RGC</b> <i>(indicate the year ending of the relevant progress report)</i>	<b>Attached to this Report</b> <i>(Yes or No)</i>	<b>Acknowledged the Support of RGC</b> <i>(Yes or No)</i>
	NIL				

**10. Research Personnel Trained (As Applicable)**

<b>Name</b>	<b>Capacity</b>
NIL	

**11. Other Impact (As Applicable)***(e.g. prizes, collaboration with other research institutions, technology transfer, etc.)*

NIL

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**12. Statistics on Research Outputs**

	<b>Peer-reviewed Journal Publications</b>	<b>Conference Papers</b>	<b>Scholarly Books, Monographs and Chapters</b>	<b>Patents Awarded</b>	<b>Other Research Outputs (please specify)</b>	
<b>No. of outputs arising directly from this project</b>	NIL				Type	No.

**13. Public Access Of Completion Report**

*(Please specify the information, if any, that cannot be provided for public access and give the reasons.)*

<b>Information that Cannot Be Provided for Public Access</b>	<b>Reasons</b>
NIL	