



CULTURE: Conserving it Together

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An ICOMOS conference on heritage conservation across the Pacific

Integrative conservation under the 5Cs Strategy – Case Study of Qionlin

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文化空間保存再利用與產業經營技術研發中心

Center for Cultural Sites Rehabilitation and Development

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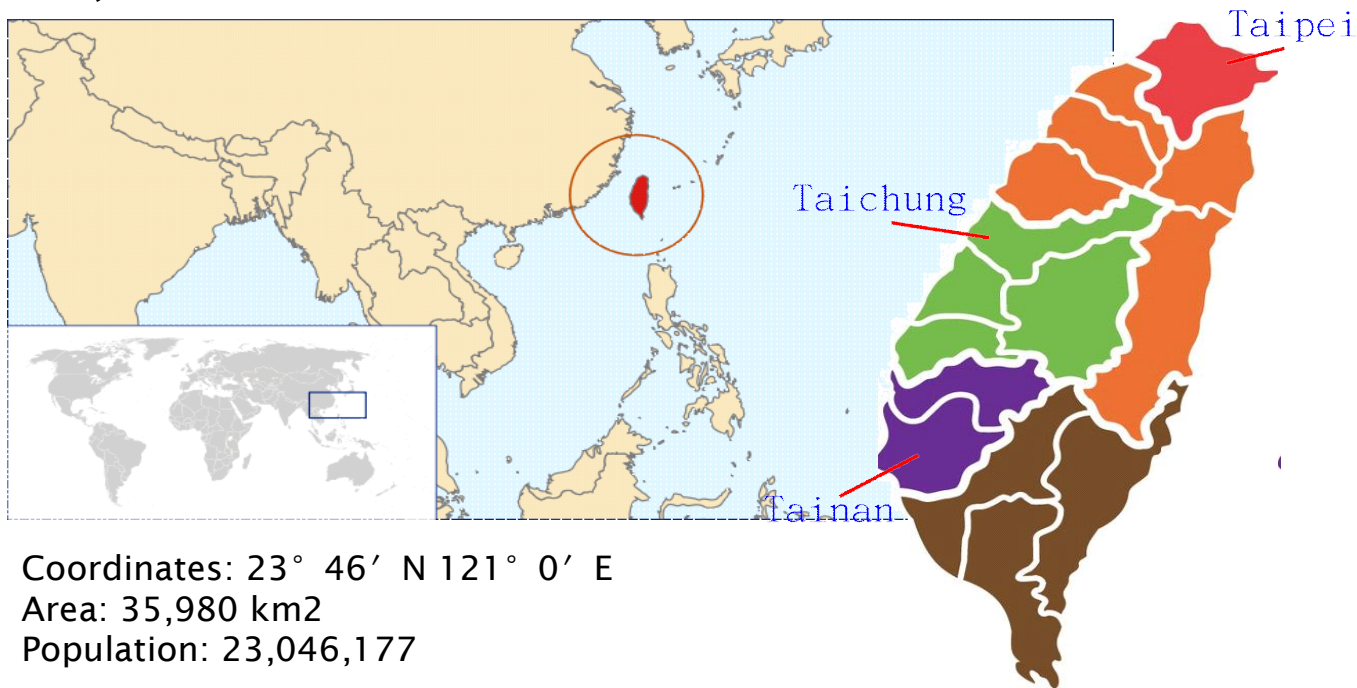


Outline

- 1) Introduction
- 2) Key Concepts
- 3) Regeneration of Historic Sites Program
- 4) Qionlin Settlement, Kinmen
- 5) Re-presenting the Glory of Thousand-year Settlement in Qionlin – the 5Cs Strategy
- 6) Conclusion: Towards A More Challenging Environment

1、Introduction

Taiwan, ROC



Coordinates: 23° 46' N 121° 0' E

Area: 35,980 km²

Population: 23,046,177

1、Introduction

□ Cultural Heritage in Taiwan

2018.09

Category	Type	Quantity	Total
Tangible heritage	Monuments	921	2460
	Historic Buildings	1412	
	Commemorative Buildings	3	
	Groups of Buildings	13	
	Archaeological Sites	47	
	Historic Sites	0	
	Cultural Landscapes	64	
	Antiquities	1791	1791
Intangible heritage	Traditional Performing Arts	190	536
	Traditional Craftsmanship	148	
	Oral Traditions and Expressions	0	
	Folklore	180	
	Traditional Knowledge and Practices	18	

1、Introduction

3、The Development of Taiwan Heritage

The Amendment of Cultural Heritage Act

- 1982-Legalization.....Exploring
- 2000-921 Earthquake.....Adding technology
- 2005-Shifting Conception.....Enhance Management and Maintenance
- 2016-International Connection....Integrated Conservation

1、Introduction

Budapest Declaration On World Heritage, 4Cs < World Heritage Operational Guidelines > ,

1. **C**redibility

Strengthen the Credibility of the World Heritage List;

2. **C**onservation

Ensure the effective Conservation of World Heritage Properties;

3. **C**apacity-building

Promote the development of effective Capacity-building in States Parties;

4. **C**ommunication

Increase public awareness, involvement and support for World Heritage through Communication.

5. **C**ommunities

Enhance the role of Communities in the implementation of the World Heritage Convention.

2007, 5Cs Strategy

➔ **Heritage and Democracy** as key ingredients in a **people-based** approach to **sustainable development**

1、Introduction

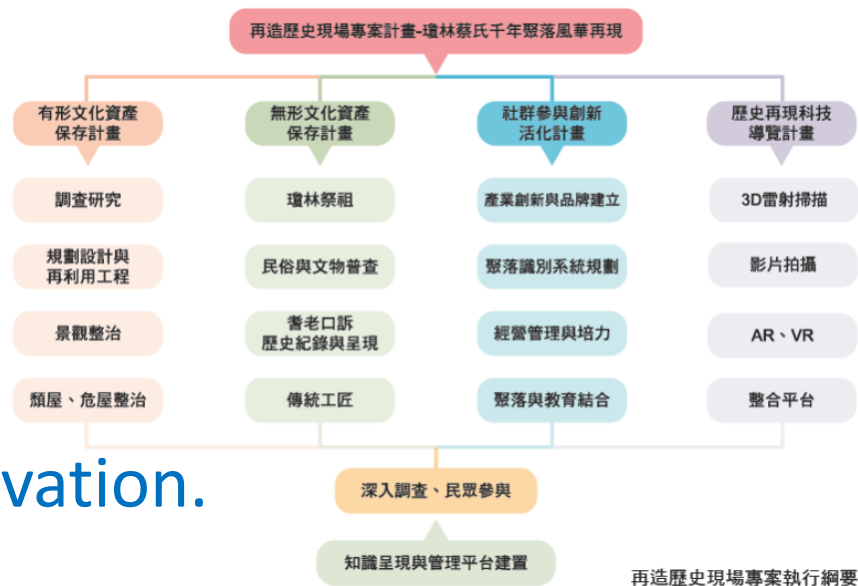
Taiwan released Cultural Heritage Preservation Act since 1982 and was amended in 2016,

1. The classification system **tangible, intangible**
2. The **Value Priority Concept** was announced in Act

1、Introduction

2016, Regeneration of Historic Sites program (RHS)

1. 3 years, 20 million USD.
2. 28 on-site projects,
3. integrative policy,
4. local-culture-based conservation.



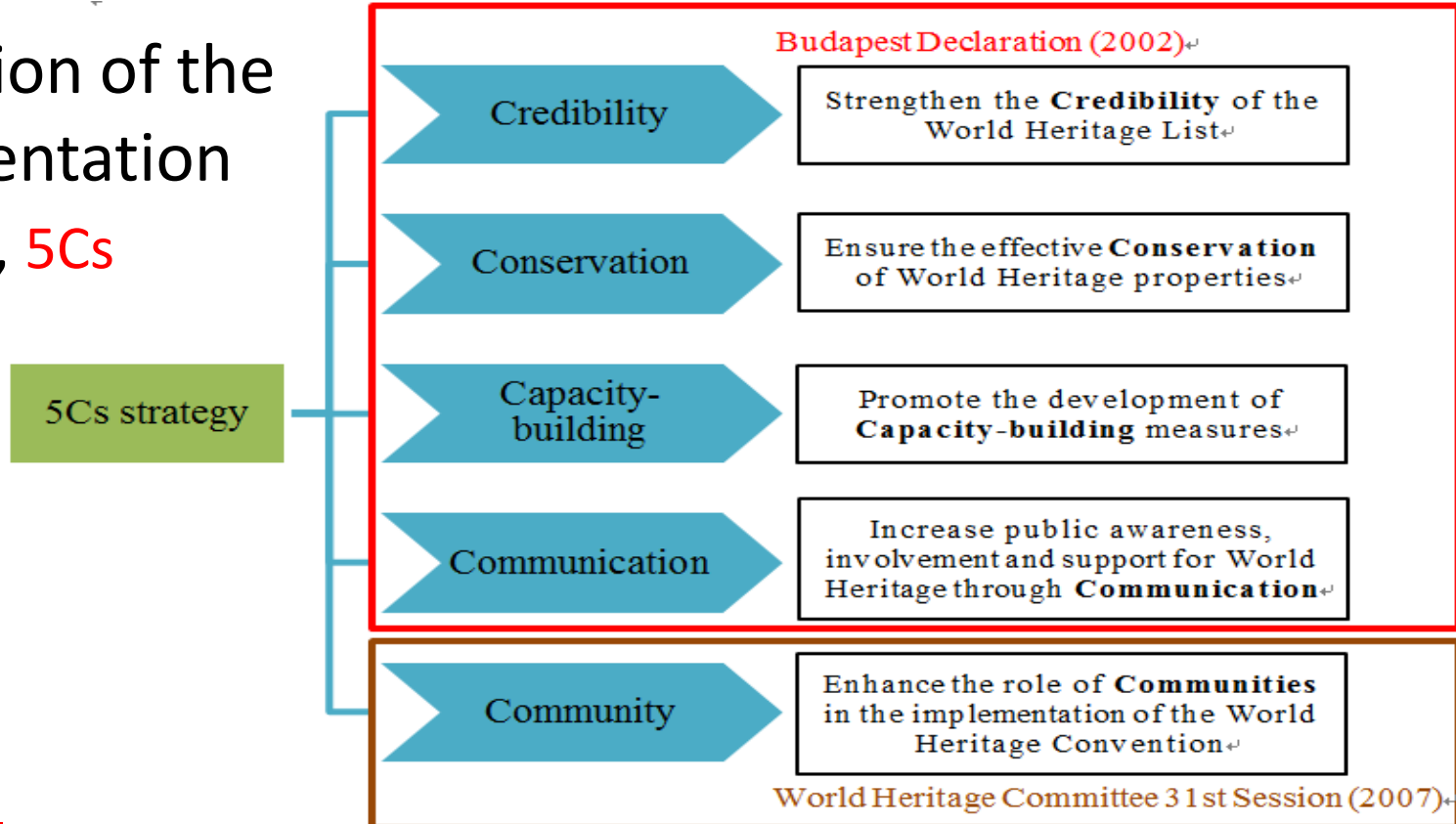
2 · Key Concepts

(1) The Integration between Cultural and Natural Heritage

- (i) 1992, **Cultural Landscape** → mankind and nature as important heritage
- (ii) 1998 **Serial Properties** → inclusion of biological and ecological issues
- (iii) 2005 OG → merging **Authenticity and Integrity**
- (iv) Since 2016, WHC advisory bodies , **ICOMOS and IUCN** cooperative conversation → 2017, the 19th ICOMOS GA

2 · Key Concepts

(3) Integration of the implementation strategy, 5Cs



2 · Key Concepts

(4) Integration of **tradition** and **modern** technology

(i) Conservation Science and Technology

(ii) **Digital CH**

High Efficiency and Accuracy,
Value-added applications (AR, VR, MR),
Educations and Disseminations



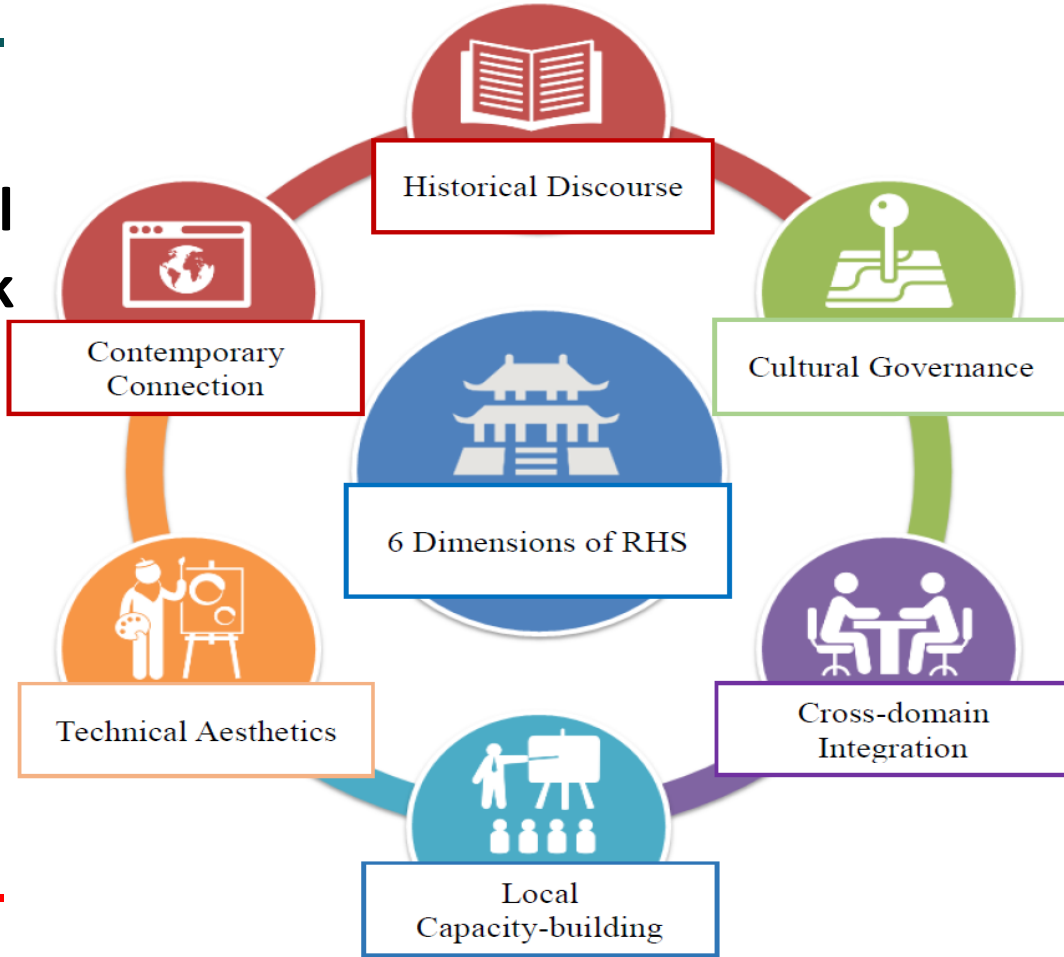
3 、 Regeneration of Historic Sites Program

Main objectives:

- (1) To create attractive and high-quality urban and rural environment through the **space strategy** based on cultural heritage.
- (2) To take the **history and geography** of Taiwan as the basis of humanistic landscape, and strengthen the connotation of **cultural innovation**.
- (3) To combine cultural heritage with **technology**, expand the field of cultural heritage and construct a depth of **value-added application**.

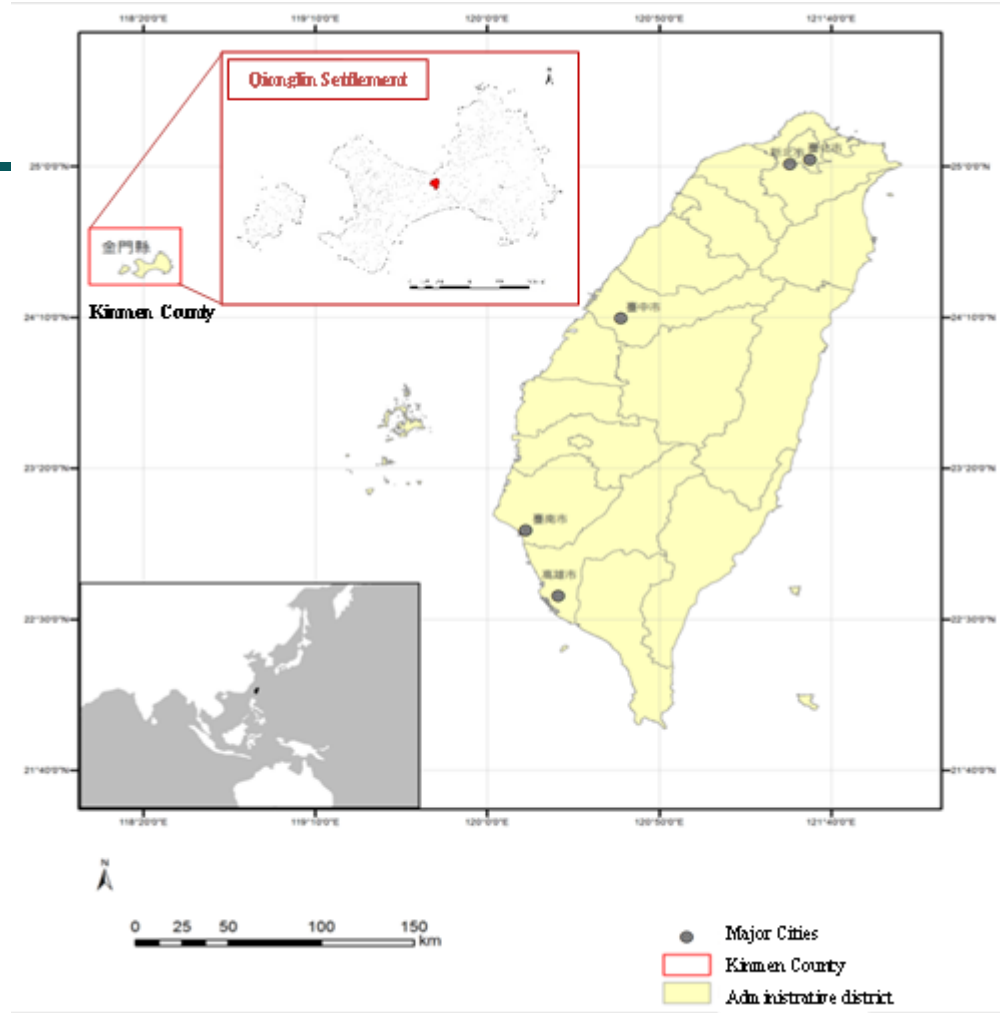
3 · Regeneration of Historic Sites Program

■ The Conceptual Framework of the RHS Program



4、Qionlin

Qionlin Settlement, Kinmen



4 · Qionlin Settlement, Kinmen

(1) Historical Background of Kinmen

- Chinese traditional culture mixed with
 1. Clan-based values,
 2. Military conflicts during past 600 years,
 3. Influence by Oversea Chinese traditions since mid 19c,



4 · Qionlin Settlement, Kinmen

(1) Qionlin

A single-clan Tsai family village,
Immigration since 900 AD,
Clan-based traditions.



4 · Qionlin Settlement, Kinmen

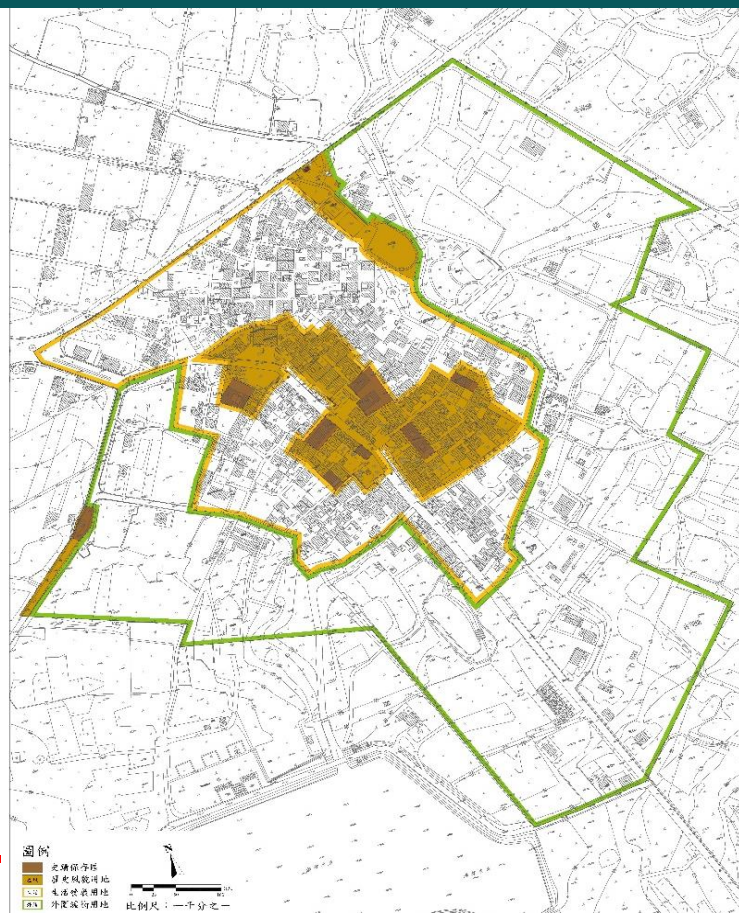
(1) Qionlin

- 8 national monuments
- 1 county designated monument
- 2 historic buildings
- Ancestral Worship in Tsai Clan Family Temple and Wind Lion Lord



4 · Qionlin Settlement, Kinmen

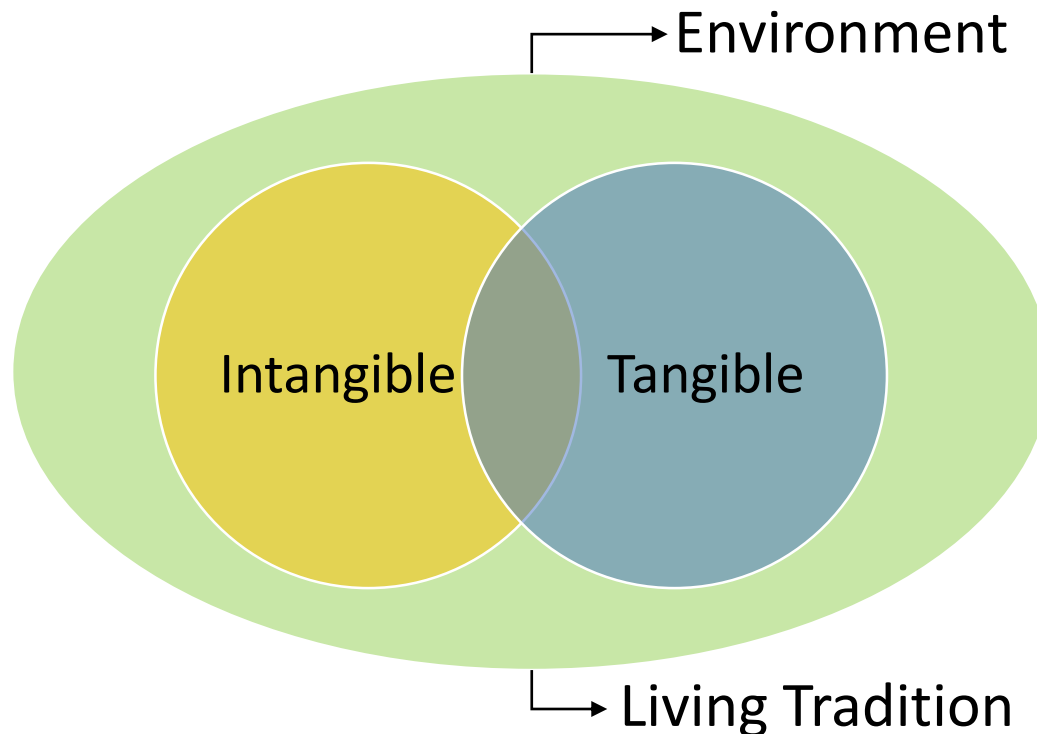
- Living Southern Fujian Cultural Settlement
- National Park



4 · Qionlin Settlement, Kinmen

(2) Cultural Resources

- Environment,
- Tangible, Intangible CH,
- Living Tradition.



4 · Qionlin Settlement, Kinmen

(3) The main achievement before RHS

- (i) 2010, Qionlin is one of 12 Potential World Heritage sites in Taiwan
- (ii) 2012, Qionlin is listed as historic settlement



4 · Qionlin Settlement, Kinmen

(3) The main achievement before RHS

(iii) 2013, Conservation and Re-development Plan was approved by Qionlin Settlement

- In 2015, the Underground Pipeline Engineering Works
- Since 2015, comprehensive review on the National Park Plan
- Since 2016, the Biological and Microbial Control Plan for the traditional buildings
- Since 2016, the Bird Control Plan for the National Monument
- Since 2016, the Risk Management and Monitoring Plan

4、Qionlin Settlement, Kinmen

“Re-presenting the Glory of Thousand-year Settlement in Qionlin”

Further promote the Qionlin Settlement
Benefit to the heritage conservation and residents’
participation across the whole county

5 · Re-presenting the Glory of Thousand-year Settlement in Qionlin– the 5Cs Strategy

(1) The ideas and strategies of the Project

- a. To strengthen the interdisciplinary integration
- b. To implement the locals' engagement
- c. To establish the integrity of the basic data and digital archives
- d. To safeguard intangible cultural heritage and folk activities
- e. To develop the digital preservation of cultural heritage
- f. To share the experience of Regeneration of Historic Sites

5 · Re-presenting the Glory of Thousand-year Settlement in Qionlin– the 5Cs Strategy

(2) The contents of the Project

- a. **Historical Scene:** Settlements, Thousand-year Relics, Living Heritage
- b. **Value Conservation:** Tangible, Intangible Heritage, Historical Environment and Community Living Intelligence.
- c. **The Existing Basic:** Pre-plan – Conservation and Re-development Plan, Kinmen County” and the relevant studies.
- d. **Implementation:** to strengthen the interdisciplinary integration between the public and private sectors, and the community engagement.
- e. **Re-presenting:** the integrative demonstration by 4 major plans and 14 sub-plans.

5 · Re-presenting the Glory of Thousand-year Settlement in Qionlin– the 5Cs Strategy

(3) Implementation and Action

- a. The structure of the Project



- Scene: Qionglin settlement, 8 national monuments, 400 traditional buildings, battlefield governance⁴
- History: 1600-year traditional settlement and living Southern Fujian culture⁴
- Re-presenting: Ancestor worship in Qionglin, seasonal events and festivals, folk life⁴

5 · Re-presenting the Glory of Thousand-year Settlement in Qionlin– the 5Cs Strategy

(3) Implementation and Action

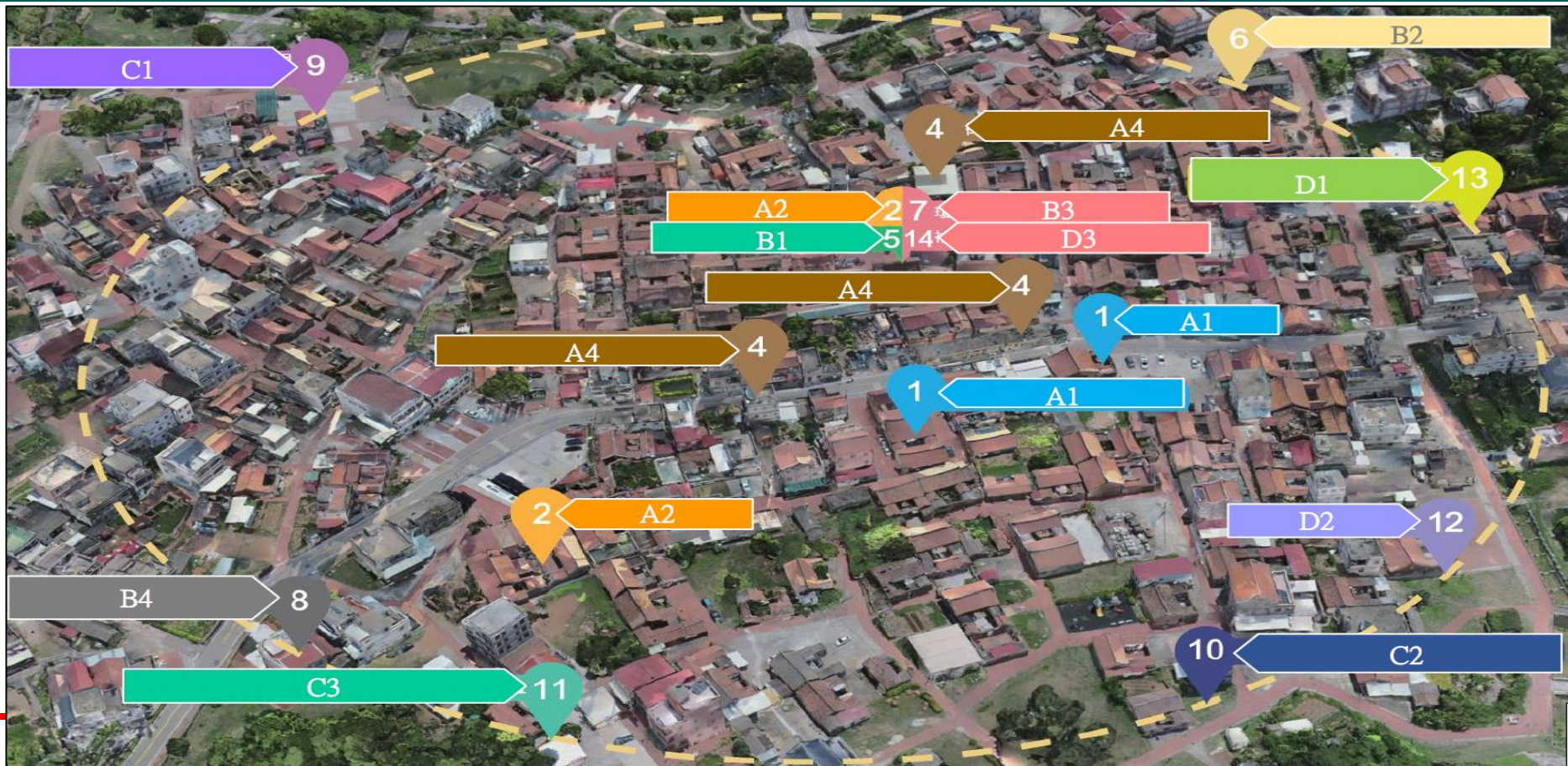
- b. The contents of the Project

- i. Plan A- **Tangible** cultural heritage conservation plan
- ii. Plan B - **Intangible** Cultural heritage conservation plan
- iii. Plan C - **Community engagement** and innovative revitalization plan
- iv. Plan D - **Technological guiding** of re-presenting history plan

5 · Re-presenting the Glory of Thousand-year Settlement in Qionlin– the 5Cs Strategy

Plan	Sub-plan Project	5Cs Policy
Plan A	A-1 The restoration and reuse of national monument, Qionglin	Conservation
	A-2 The restoration and reuse plan for cultural heritage (resources) in Qionglin	Conservation
	A-3 The biological and microbial control plan for Qionglin settlement	Conservation
	A-4 The restoration and reuse plan for traditional shop-houses	Capacity-building, Communication
Plan B	B-1 The inheritance plan for Qionglin ancestor worship	The coordination and participation of the residents (Community)
	B-2 The importing plan of traditional folk customs	Credibility
	B-3 The representing plan for local intangible cultural heritage	Credibility
	B-4 The inheritance plan for local traditional craftsman system	Conservation
Plan C	C-1 Regional industrial innovation and digital value-adding plan	The coordination and participation of the residents (Community)
	C-2 The integrated plan between settlement conservation and education	The coordination and participation of the residents (Community), Communication
	C-3 The training plan for strengthening the settlement management	The coordination and participation of the residents (Community), Communication
Plan D	D-1 The development plan of digital resources	Capacity-building
	D-2 The development plan of navigation platform	Capacity-building, Communication
	D-3 The training plan for digital value-adding and guiding talent	The coordination and participation of the residents (Community)

5 · Re-presenting the Glory of Thousand-year Settlement in Qionlin– the 5Cs Strategy



5 · Re-presenting the Glory of Thousand-year Settlement in Qionlin– the 5Cs Strategy

(3) Implementation and Action - Annual strategy of implementation

- 2017, improvement of basic works, participatory planning and management training
- 2018, the transformation of knowledge and capability, and the cooperative construction
- 2019, capability transformation of residents' operation, and the synchronized completion between hardware and software

6. Conclusion

-Towards A More Challenging Environment

- The diversification of heritage, the value of diversity, and the emerging issues of politics, economy and disaster risk make the current conservation projects more complicated
- A globally challenge which needs to deal with together

6. Conclusion

-Towards A More Challenging Environment

- Continuously strengthen the capacity of conservation
- Qionlin is an on-going project
- Thanks to the long-term assistance from the AusHeritage



Thanks for your attention.

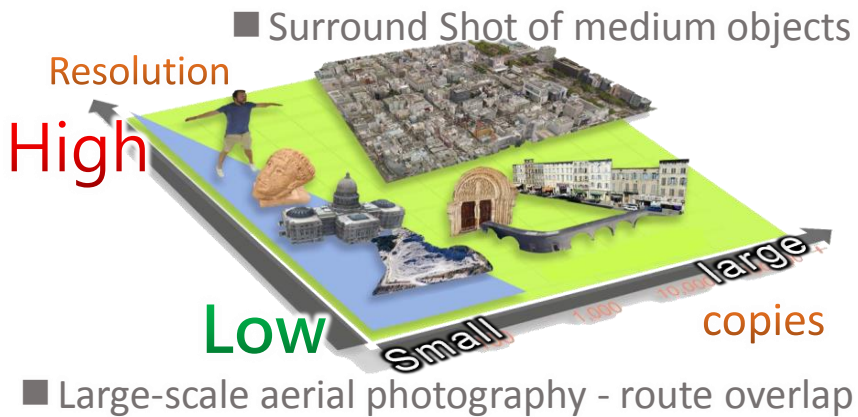


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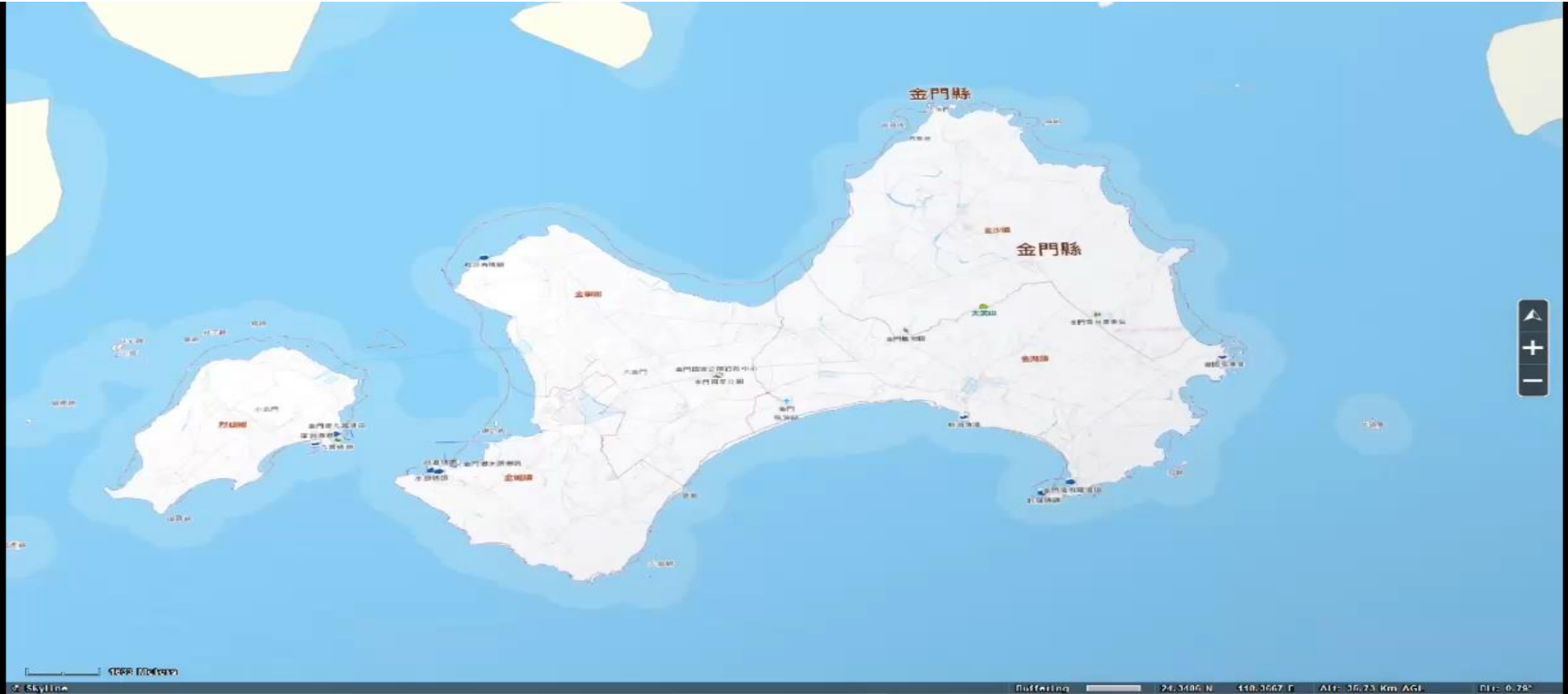


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Center for Cultural Sites Rehabilitation and Development

Kinmen Qion-Lin Settlement Photogrammetry 3D Model




Digital Application-3D GIS



Digital Application-Theme Story(Story Map)

有形文化資產

A story map    

互動式動態導覽 720環景導覽 三維視覺化呈現 建物飛覽影片 文資建物概述

建物類型 - 綠林_道路_polygon


文化資產 - 國縣定古蹟歷史建築編號

文化資產 - 怡慶堂

文化資產 - 歷史建築point

文化資產 - 國定古蹟

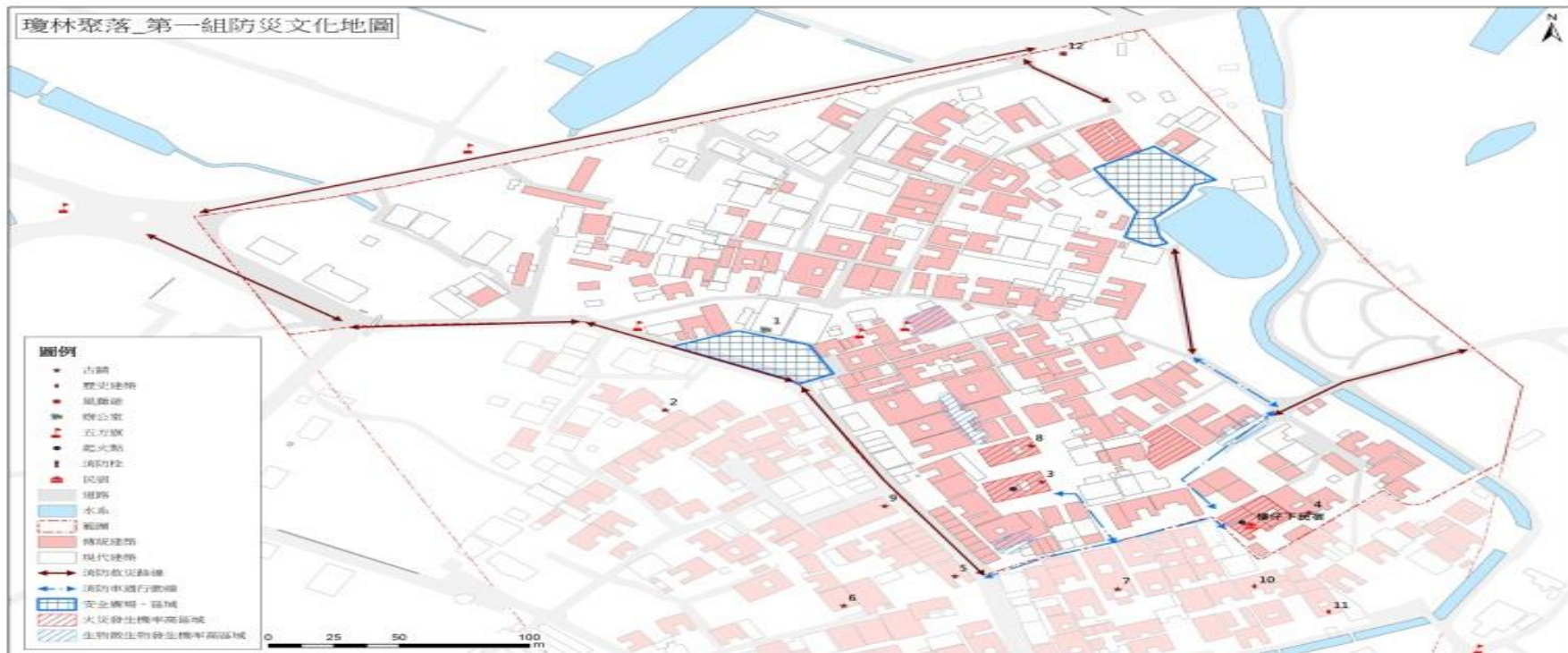
文化資產 - 縣定古蹟




Map data © OpenStreetMap contributors, CC-BY-SA 

Disaster Risk Management

Quin-Lin Settlement Heritage Disaster Prevention GIS



Disaster Risk Management



金門縣文化局
CULTURAL HERITAGE BUREAU OF KINMEN COUNTY

文化資產風險管理與安全防災整合監控系統
Cultural Assets Integration Monitoring System of Risk Management and Disaster Prevention

全球屏GIS

CUTE

登出

專案管理
Project Management

設施維護
Facility Management

防災監測
Disaster Monitoring

防災評估報告
Safety Evaluation Report

監測月報表

甲乙檢査圖

微氣候評估報告

行動巡檢(APP)
APP

節能監測資訊
Energy Monitoring Data

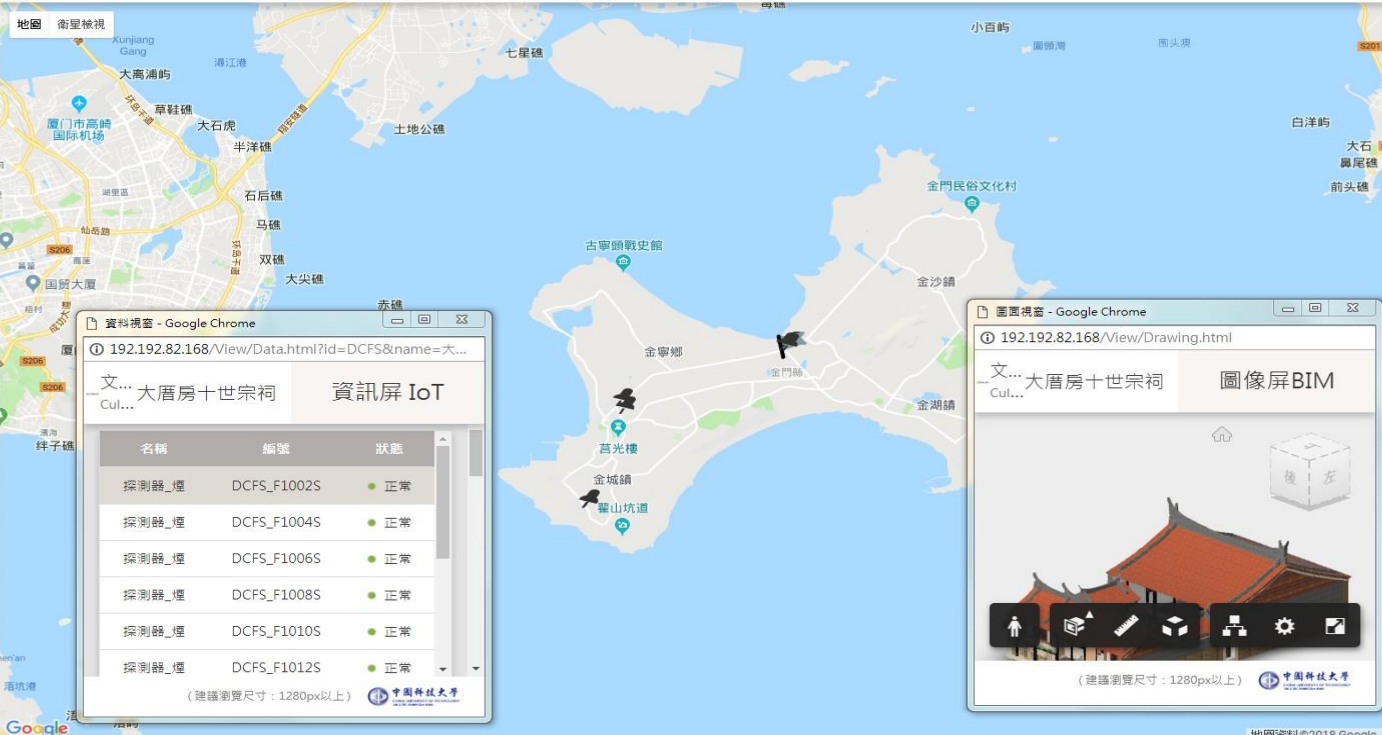
節能報告管理
Energy Report Management

link 1

link 2

link 3

link 4



地圖 衛星檢視

資料視窗 - Google Chrome

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文... 大厝房十世宗祠 資訊屏IoT


名稱	編號	狀態
探測器_煙	DCFS_F1002S	● 正常
探測器_煙	DCFS_F1004S	● 正常
探測器_煙	DCFS_F1006S	● 正常
探測器_煙	DCFS_F1008S	● 正常
探測器_煙	DCFS_F1010S	● 正常
探測器_煙	DCFS_F1012S	● 正常

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畫面視窗 - Google Chrome

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文... 大厝房十世宗祠 圖像屏BIM



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氣象站監測
Weather Station Observation

格致樓 +

光復樓 +

蔡氏宗祠 +

大厝房十世宗祠 ×

01 ▾

選擇

新倉上二房十一世宗祠 +

坑兜六世宗祠 +

邱良功母節孝坊 +

潘伯宗祠 +

金門朱子祠 +

前庭房六世宗祠 +

處江曠臥亭 +

文臺寶塔 +

新倉下二房六世·十世宗祠 +

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