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

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Presenter

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- Ministry of Culture, Monument Advisory Committee
- ICOMOS CIPA ISC Executive Committee
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- Expertise: Heritage Conservation and Reuse / Chinese Architecture History / Chinese Urban History / Architecture Design
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

<table>
<thead>
<tr>
<th>Category</th>
<th>Type</th>
<th>Quantity</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tangible heritage</strong></td>
<td>Monuments</td>
<td>921</td>
<td>2460</td>
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<tr>
<td></td>
<td>Historic Buildings</td>
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<td>Commemorative Buildings</td>
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<td>Groups of Buildings</td>
<td>13</td>
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<td>Archaeological Sites</td>
<td>47</td>
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<td>Historic Sites</td>
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<td></td>
<td>Cultural Landscapes</td>
<td>64</td>
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<tr>
<td></td>
<td>Antiquities</td>
<td>1791</td>
<td>1791</td>
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<tr>
<td><strong>Intangible heritage</strong></td>
<td>Traditional Performing Arts</td>
<td>190</td>
<td>536</td>
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<tr>
<td></td>
<td>Traditional Craftsmanship</td>
<td>148</td>
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<tr>
<td></td>
<td>Oral Traditions and Expressions</td>
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<tr>
<td></td>
<td>Folklore</td>
<td>180</td>
<td></td>
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<tr>
<td></td>
<td>Traditional Knowledge and Practices</td>
<td>18</td>
<td></td>
</tr>
</tbody>
</table>
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 >

<table>
<thead>
<tr>
<th>4Cs</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Credibility</td>
<td>Strengthen the Credibility of the World Heritage List;</td>
</tr>
<tr>
<td>Conservation</td>
<td>Ensure the effective Conservation of World Heritage Properties;</td>
</tr>
<tr>
<td>Capacity-building</td>
<td>Promote the development of effective Capacity-building in States Parties;</td>
</tr>
<tr>
<td>Communication</td>
<td>Increase public awareness, involvement and support for World Heritage through Communication.</td>
</tr>
<tr>
<td>Communities</td>
<td>Enhance the role of Communities in the implementation of the World Heritage Convention.</td>
</tr>
</tbody>
</table>

### 2007, 5Cs Strategy

Heritage and Democracy as key ingredients in a **people-based** approach to **sustainable development**
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 $\rightarrow$ mankind and nature as important heritage
(ii) 1998 Serial Properties $\rightarrow$ inclusion of biological and ecological issues
(iii) 2005 OG $\rightarrow$ merging Authenticity and Integrity
(iv) Since 2016, WHC advisory bodies, ICOMOS and IUCN cooperative conversation $\rightarrow$ 2017, the 19th ICOMOS GA
2、Key Concepts

(2) The Integration between **Tangible** and **Intangible** Values of Cultural Heritage

(i) 1994: **Nara** Document on Authenticity

(ii) 2003: World **Intangible Cultural Heritage Convention**

(iii) 2005 OG: **intangible** heritage value in the assessment pointers of the **authenticity** to cultural heritage.
2、Key Concepts

(3) Integration of the implementation strategy, 5Cs

- Credibility

- Conservation
  - Conservation of World Heritage properties

- Capacity-building
  - Promote the development of Capacity-building measures

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

- Community
  - Enhance the role of Communities in the implementation of the World Heritage Convention

5Cs strategy
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

- Historical Discourse
- Cultural Governance
- 6 Dimensions of RHS
- Cross-domain Integration
- Local Capacity-building
- Technical Aesthetics
- Contemporary Connection
4、Qionlin

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,
(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
(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 governance

- History: 1600-year traditional settlement and living Southern Fujian culture

- Re-presenting: Ancestor worship in Qionglin, seasonal events and festivals, folk life
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

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

- Large-scale aerial photography - route overlap
- Surround Shot of medium objects

Resolution

High

Low

copies
Digital Application - 3D GIS
Digital Application - Theme Story (Story Map)
Disaster Risk Management

Quin-Lin Settlement Heritage Disaster Prevention GIS
Disaster Risk Management