

Rebuilding Namasia - A Case of Green building to Increase Climate Resilience

Chiu Tzu-Jung
Delta Electronics foundation, Taiwan
2017/07/18



從2009年八八風災開啟的故事....



Photo: bio-architecture Formosana







August 8th 2009 Typhoon Morako



Life must go on...

2010 四月 13 上午 10:34

民權台地

Location : Namasia Ming-Chung Tableland

Square measure : 2.9 hectare

Altitude : 830m



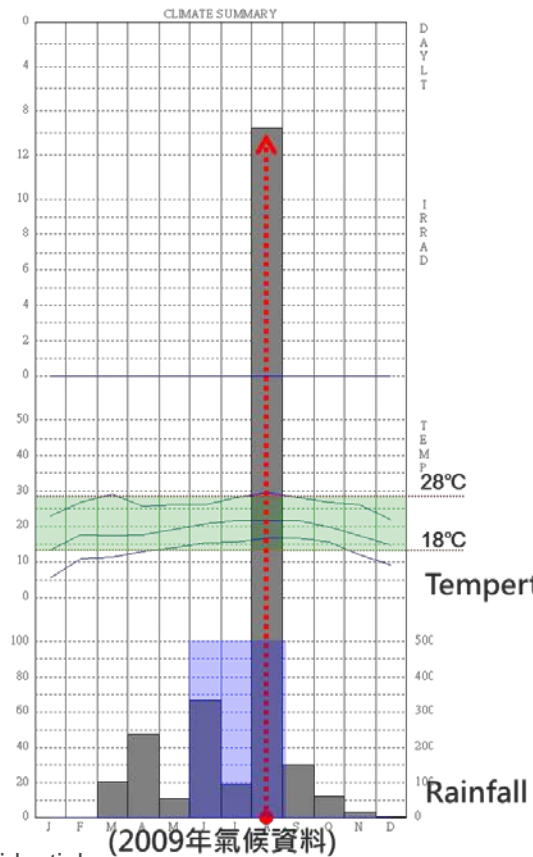


Photo: bio-architecture Formosana

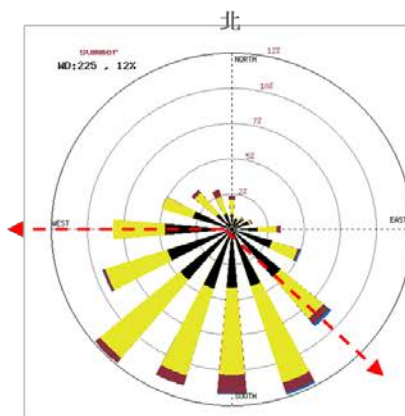




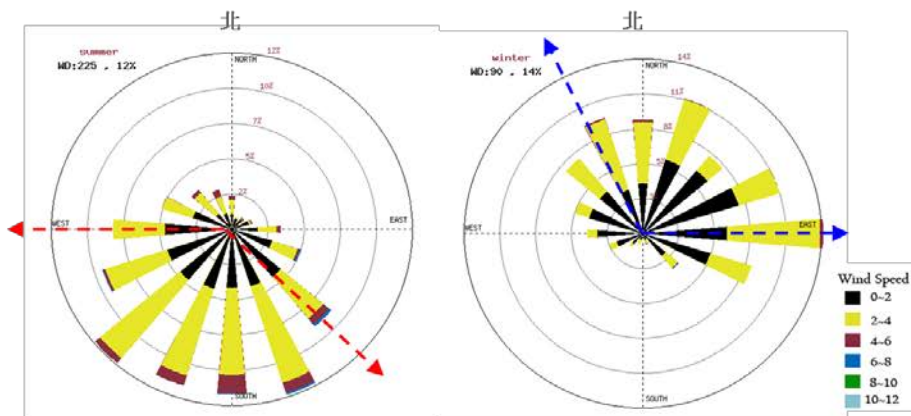
“THE FUTURE” is our children.



Wind in Summer

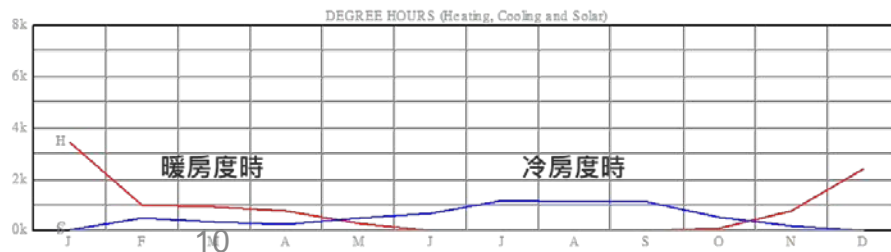


Wind in Winter



(林憲德教授提供)

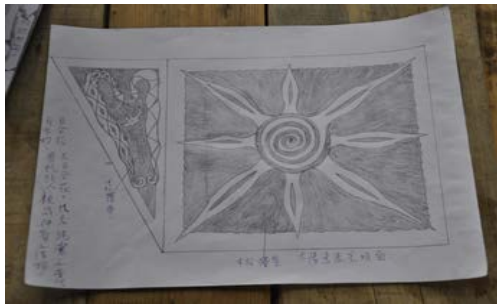
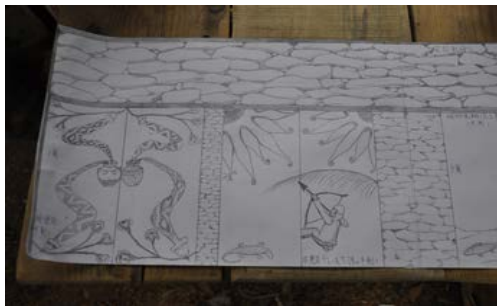
冷暖房度時統計分析







原民文化藝術







Main Building

- Consider the traditional type of residence of Bunun and Kanakanafu.
- Make the school become a big house.



Solar Panel System

- 10.5kWp
- Contribute 11,000kwh in 2012



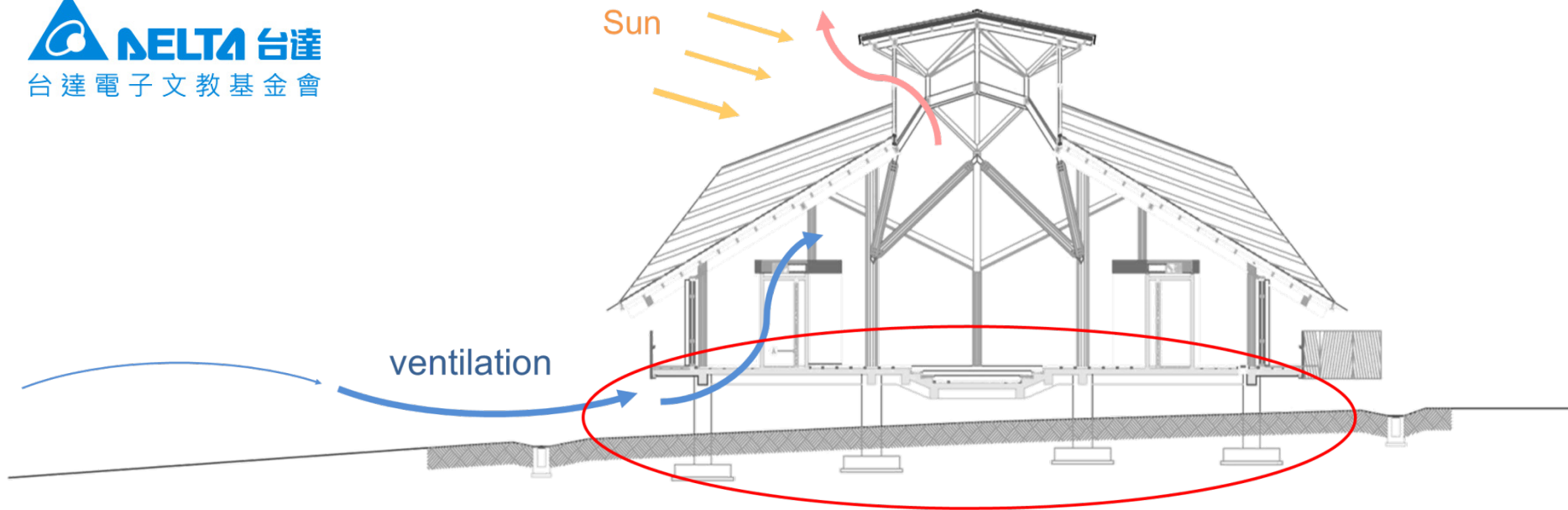
Photo: bio-architecture Formosana





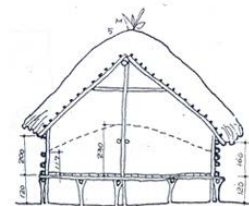
Biodiversity

- 生態池
- 生態綠網

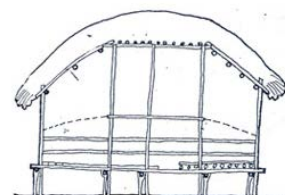


The Feet

- The Library – Kanacnavu Cakuru transformed



A-A剖面圖



B-B剖面圖

N



Library

- 善用自然採光、節能燈具和通風的圖書館



環保小學校園導覽第六站 能源監測系統

相較於相同規模的校舍，新校舍預估可以達到65%的節能成效，與今年剛取得美國綠建築LEED白金認證的成大孫運璿健康研究大樓，有異曲同工之妙。學校是節能減碳的重要場域，能源監測系統是節能減碳的重要工具，透過發電的數據與能源的消耗等，讓師生能學習更聰明地使用能源。

能源監控系統-隨時隨地了解學校用電

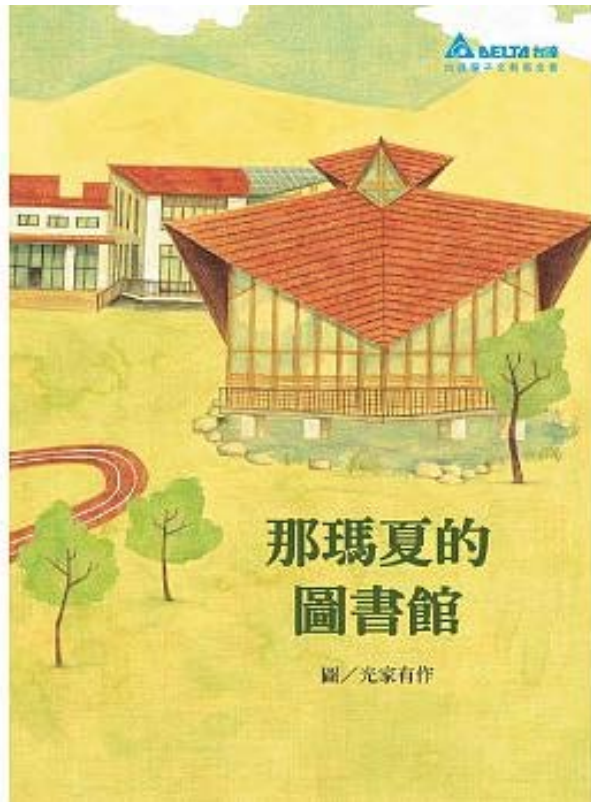
快樂學習的綠建築校園



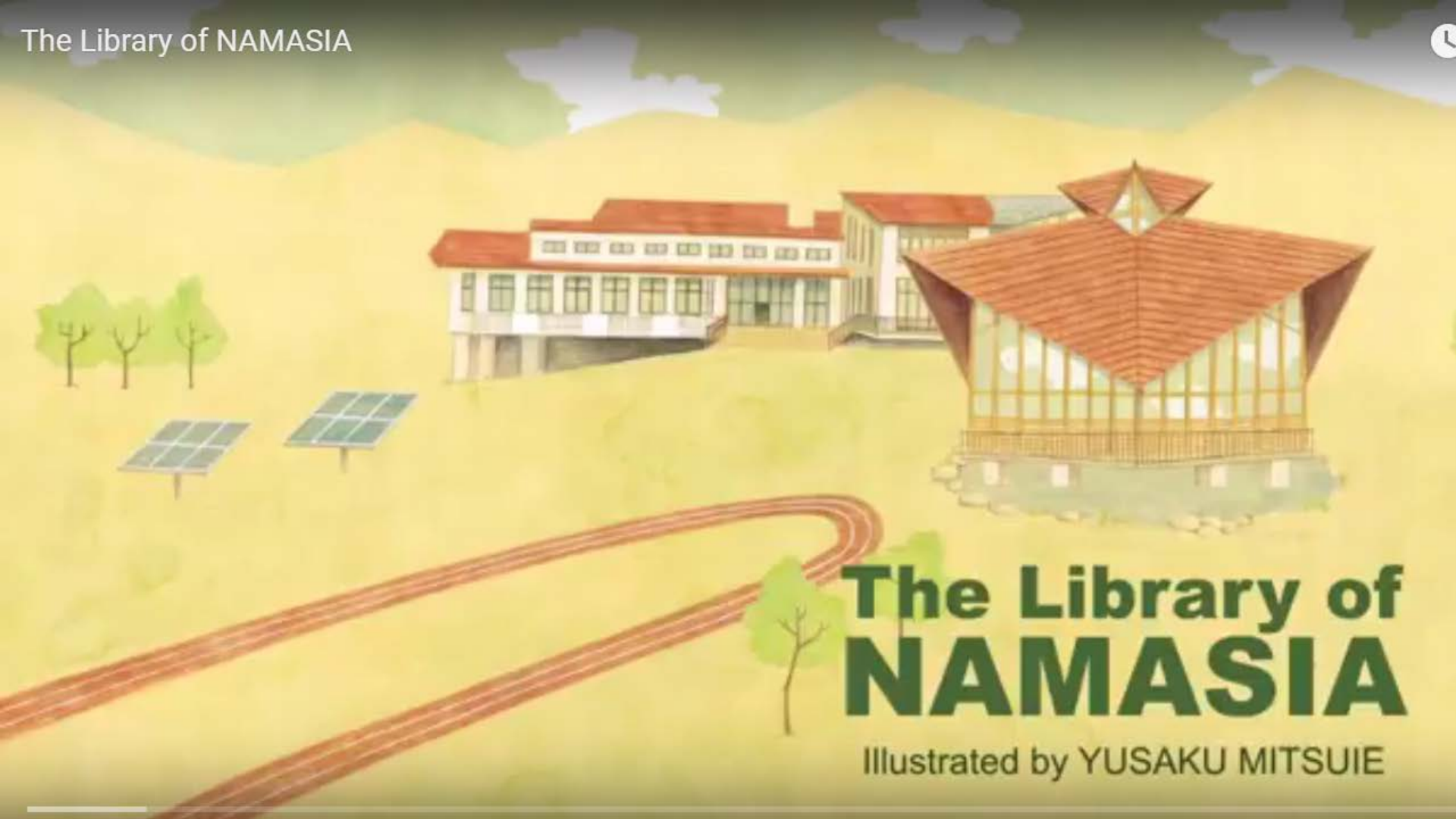
安全無虞的避災中心



Disaster Management Education



The Library of NAMASIA



The Library of NAMASIA

Illustrated by YUSAKU MITSUIE



TAIWAN AERIAL IMAGING, INC.

Smarter. Greener. Together.

To learn more about Delta, please visit www.deltaww.com.

