

# Enhance Public Sustainability Awareness by Feng Shui

## CUNDALL

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# CONTENTS

1. Feng Shui (風水)
2. Sustainable Design
3. Feng Shui x Science
4. Feng Shui x Sustainability
5. Feng Shui x BEAM Plus
6. What's Next?



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# 1. Feng Shui – The Traditional Chinese Wisdom



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# Beginning of Feng Shui

Feng Shui evolved from Chinese philosophy and its earliest found in **Yi Jing (易經)**

**Yin-Yang(陰陽)** theory, **Qi(氣)** theory had distinct significance



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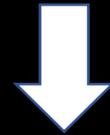
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# Development of Feng Shui

In ancient time



In 1949



late 1970s



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# Objective of Feng Shui

[To enrich **Health, Wealth, Luck**]

**Good Feng shui** general condition is to have  
good **Soil Condition** sufficient **water**  
**sources**, nice **Site orientation** and good  
**Site planning of settlement**  
**space**



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# Feng Shui Fundamental concepts

- (1) Unity between Heaven and Human
- (2) Five Elements Cycle
- (3) Yin and Yang Harmony
- (4) Form School Model
- (5) Balance between Interior and Exterior Spaces



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# 2. Sustainable Design



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# Comparison of Feng Shui and Sustainable Design concept

(Source: Mak and So, 2015, p.152)

Sustainable Design Concepts	Feng Shui Concepts
<b>Balance and Harmony</b>	
(1) Constructivism	(1) Unity between heaven and human
(4) Balance between natural and the built environment	(3) Yin and Yang harmony
<b>Cycles Pattern</b>	
(2) Circular design	(2) Five Elements cycles
<b>Sources and Consumption of Natural Resources</b>	<b>Physical Form and Spatial Arrangement</b>
(3) Energy efficiency	(4) Form school model
(5) Thinking global and buying local	(5) Balance between interior and exterior space



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# 3. Scientific Approach to Feng Shui



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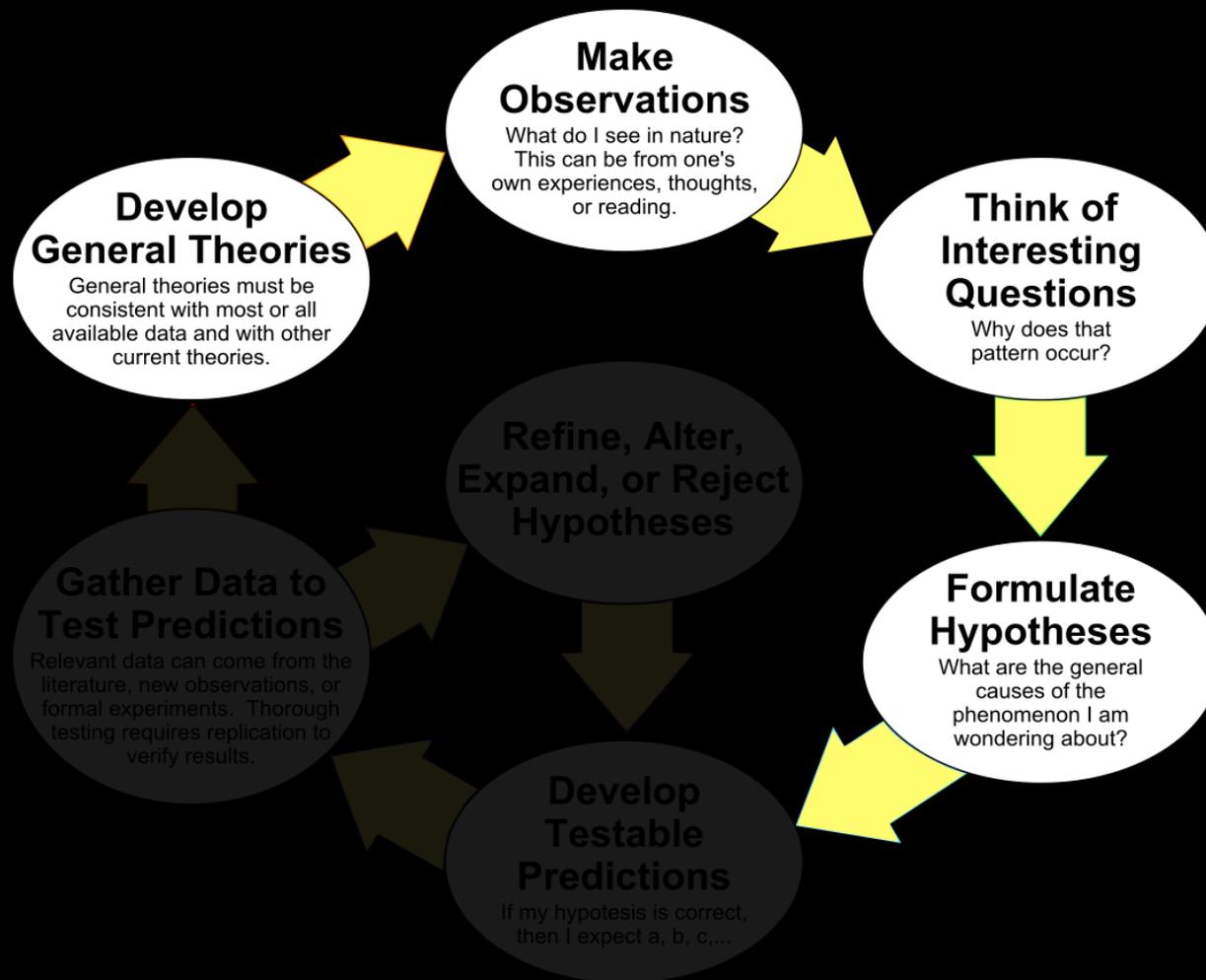


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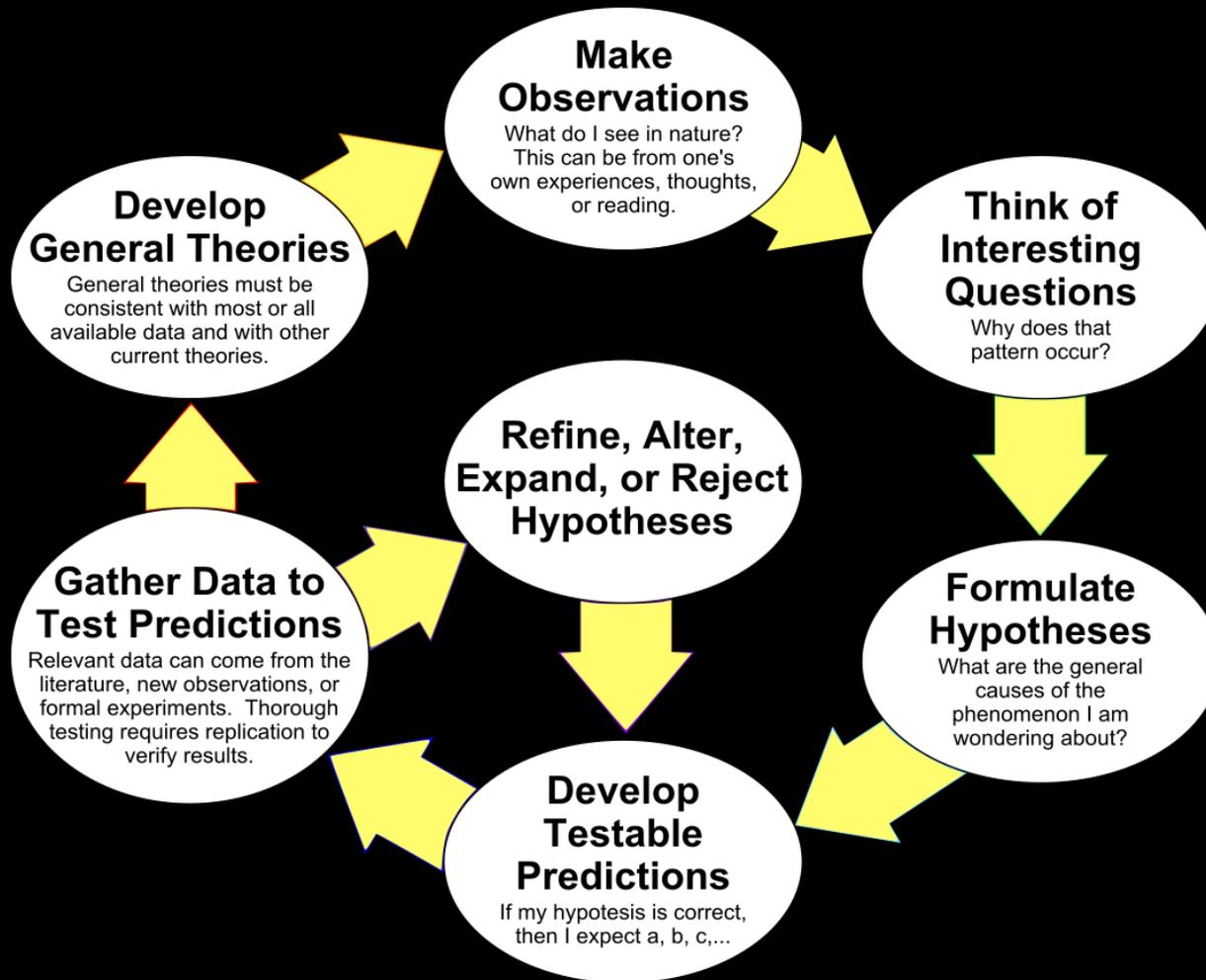


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# Ancient Time Feng Shui thinking



# Logic of Scientific thinking



# Western Acceptance of Feng Shui knowledge

[**Without** any approach in terms of **scientific methods**, the study of Feng Shui would easily fall prey to **superstition**]



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# 4. Comparison of Sustainable Design and Feng Shui



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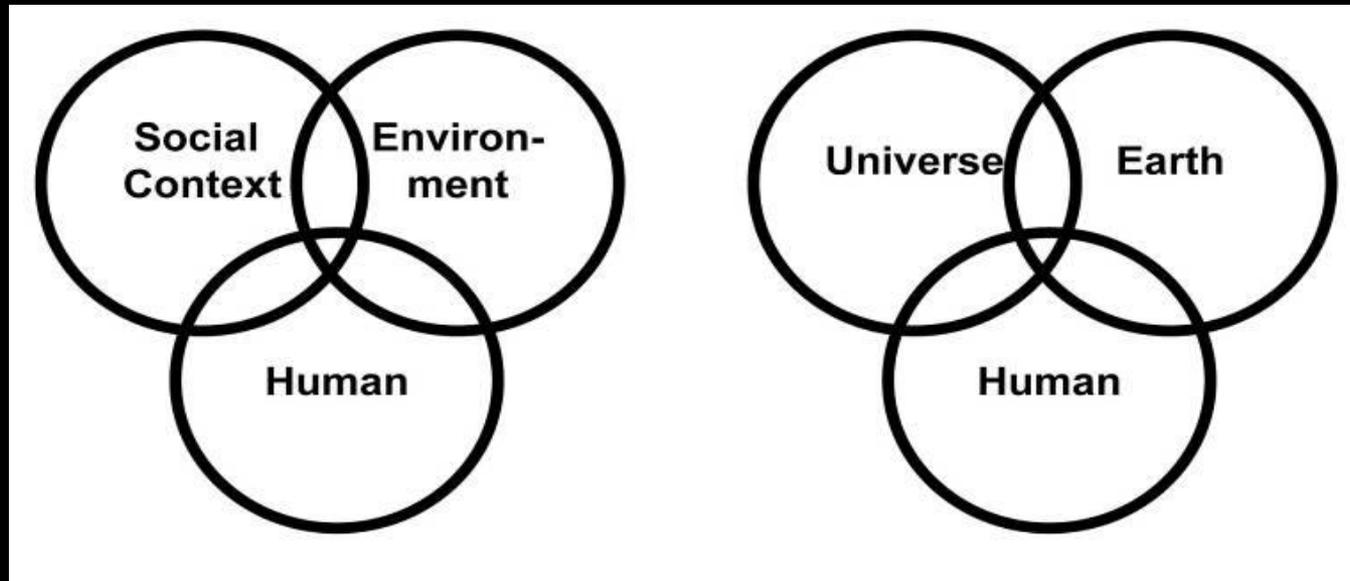
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# Comparison of the Principles of Sustainable Design with Feng Shui



(Source: Dong and Zuehl, 2009)

# Practice of Feng Shui knowledge

- 龍脈 “Dragon” features ensure the sites are on elevated spots;
- The formation of 砂 “Sand” with surrounding hills protects the 穴 “Cave” from strong winds;
- 水 “Water” features of flowing streams provide a constant clean water supply;
- 向 “Direction” examines correct solar access; and
- 明堂 “Bright Court” facilitates farmland in front of villages



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# 5. Comparison of BEAM Plus N.B. (version 1.2) and Feng Shui



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# Results and Discussion

## BEAM Plus credits related to Feng Shui

	BEAM Plus NB v1.2 Considerations	Similar to Feng Shui Concepts
Site Aspect	16	12
Material Aspect	15	1
Energy Use	14	1
Water Use	8	1
Indoor Environmental Quality	24	5
Total	77	20



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# BEAM Plus credits related to Feng Shui

## Site Aspect

Site Aspect

SA

- SAP1- Minimum Landscape area
- SA1- Contaminated Land
- SA4- Site Design Appraisal
- SA5- Ecological Impact
- SA7- Landscaping and planters
- SA8- Microclimate Around Building
- SA9- Neighborhood Daylight Access
- SA11- Air Pollution during construction
- SA12- Noise During Construction
- SA13- Water pollution during Construction
- SA14- Noise from Building Equipment
- SA15- Light Pollution



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# BEAM Plus credits related to Feng Shui

## Material Aspect

### MA4 – Adaptability and Deconstruction

Material Aspect

MA



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# BEAM Plus credits related to Feng Shui Energy Use

## EU 13 – Energy Efficiency Building Layout

EU

Energy Use



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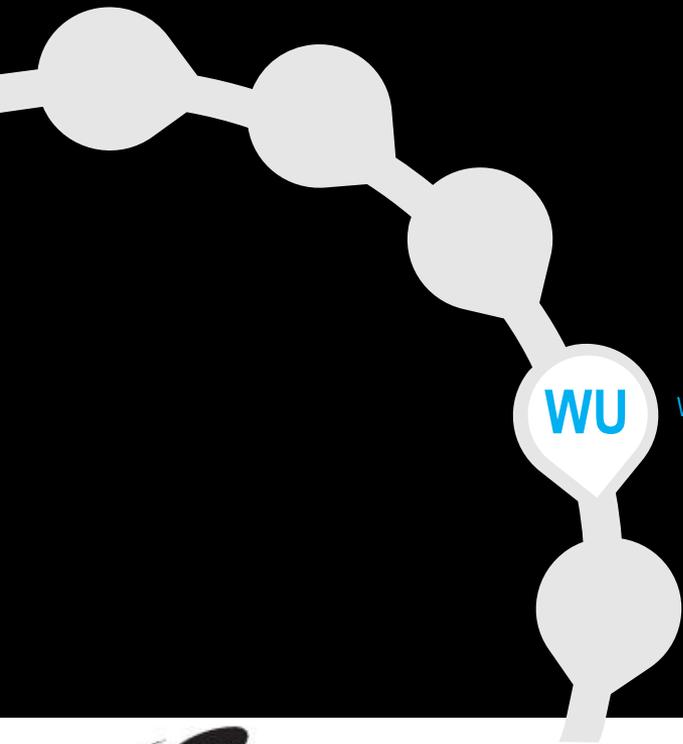
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# BEAM Plus credits related to Feng Shui Water Use



WU

Water Use

## WuP1 – Water Quality Survey



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# BEAM Plus credits related to Feng Shui Indoor Environmental Quality

IEQP1 – Minimum Ventilation  
Performance

IEQ2 – Plumbing and Drainage

IEQ 13 – Thermal Comfort in Air-  
conditioned Premises

IEQ 14 – Thermal Comfort in Natural  
Ventilated Premises

IEQ 15 – Natural Lighting

IEQ

Indoor Environmental Quality



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# Conclusion

- 1) Both BEAM Plus and Feng Shui aims to provide a balance and harmonious built environment
- 2) BEAM Plus emphasizes on tangible measurement of efficiency & consumption of resources
- 3) Feng Shui emphasizes on Intangible evaluation of balance and relationship of space
- 4) Enhance Public Sustainability Awareness by Feng Shui
- 5) Applications of scientific Feng Shui to sustainable design



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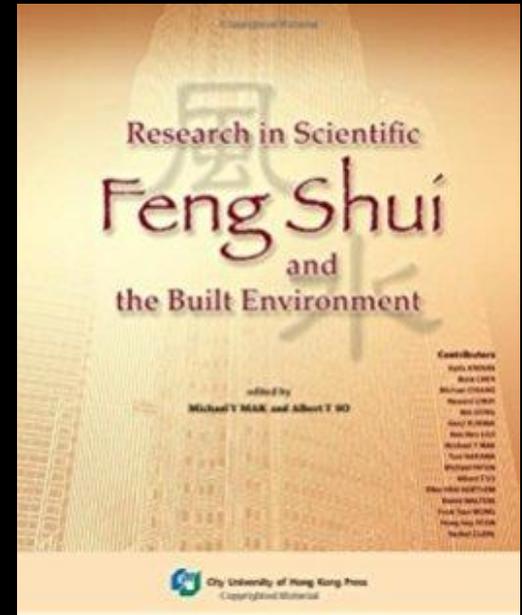
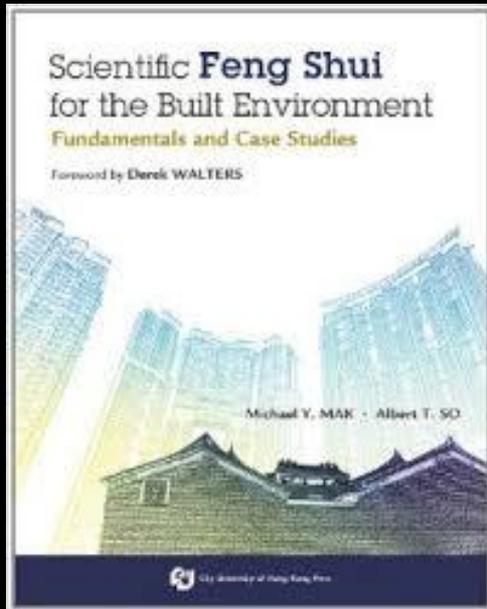
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# What's next?



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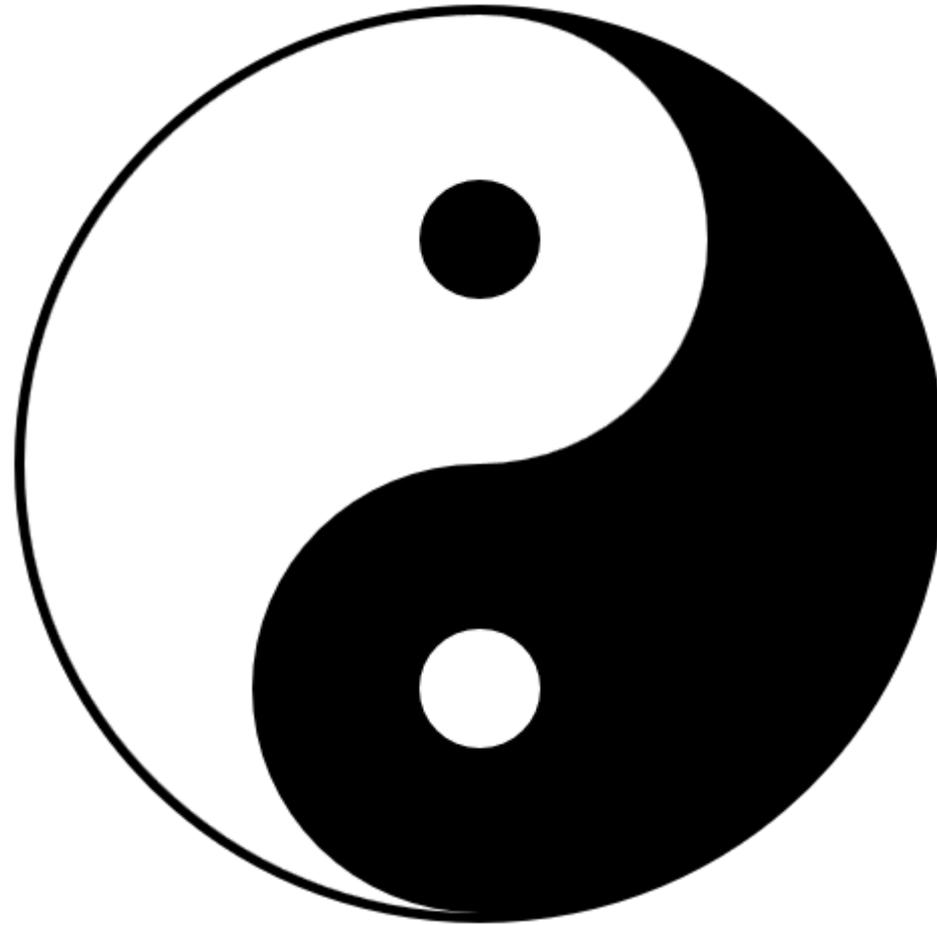


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## Thank you



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