Community, Culture & Resilience
The Sustainability of Place-based Development

Dan Abramson, Department of Urban Design and Planning
University of Washington
Community – Trust – Culture – Memory
Why are Trust and Memory crucial to resilience and sustainability?

Memory + Trust = Feedback
Panarchy - The Adaptive Cycle
(Gunderson & Holling, 2002)

Graph of alternating adaptive cycles according to Gunderson and Holling (2002). Generalizing labels for axes in black, specifying labels for cultural cycles in grey. Group size – size of consciously cooperating groups (for one-way adaptive cycles compare Widlok et al., 2012; for r-phase, K-phase, Ω-phase and α-phase see Table 4). Source: Andreas Zimmermann. Cultural Cycles in Central Europe during the Holocene. Quaternary International Volume 274 2012 251-258. http://dx.doi.org/10.1016/j.quaint.2012.05.014

Faster, better feedback = more resilience
Adaptive cycles at multiple spatio-temporal scales

University of Washington Summer 2011 Field Studio in China and Spring Quarter Prep Seminar

URBDP 598 J and URBDP 508 / ARCH 506 / LARCH 495
Instructor: Dan Abramson, abramson@uw.edu

China Village Studio
Vernacular Architecture / Community Development / Cultural Landscape Preservation / Hazard Mitigation
Fujian and Sichuan Provinces
June 20 – August 6

Discover the inherently resilient qualities of traditional villages in China. Assist two villages in China to develop practical uses and designs for preservation and adaptation of vernacular buildings and cultural landscapes facing neglect in the process of migration and urbanization in Chinese society as a whole.
Cool Mountain Education Fund

To support education for community sustainability in Nuosu Yi communities, order our 2013 CMEF calendar.

Education for community sustainability in Liangshan, China.
2012 Workshop 研讨会: October 10 – 13 (10月10日 – 10月13日)

On the University of Washington campus in Seattle, USA 美国华盛顿大学, 西雅图市.

Urban development in China and the US presents many similar challenges in meeting the economic, environmental and social needs of present and future generations. The China-US Professional Workshop on Regional Sustainable Development brings together Chinese and American leaders and professionals in municipal government, planning, development, and design for an intensive exchange.

中国和美国的城市发展，在为满足当前及未来的经济、环境和社会需求上面临着许多相似且比其他国家更为巨大的挑战。中美区域可持续发展研讨会将中国和美国地方政府的领导，规划、发展和设计方面的专家汇集于一堂进行深入研讨。
China’s Urban Transition

2011

RURAL

POPULATION 656 MILLION
ANNUAL INCOME: 6,977 YUAN (cash income)

URBAN

690 MILLION
21,810 YUAN (disposable income)

2035

+350 MILLION

Eco-city Models

Scheme for Dongtan Eco-City, Chongming Island, Shanghai
Source: Internet media
DaFen, Shenzhen

Quanzhou, Fujian: Co-evolution of planned urban development with grassroots re-investment in traditional community temples

• 1994
Quanzhou, Fujian: Co-evolution of planned urban development with grassroots re-investment in traditional community temples

- 1994
- 1997
Quanzhou, Fujian: Co-evolution of planned urban development with grassroots re-investment in traditional community temples

- 1994
- 1997
- 2000
Quanzhou, Fujian: Co-evolution of planned urban development with grassroots re-investment in traditional community temples

- 1994
- 1997
- 2000
- 2005

Source: http://img7.itiexue.net/946/9464971.gif
Village relocation and demolition
Socialist New Countryside Construction
Taoping, Li County - alluvial river terrace village
Pre-2007
Taoping, October 2010
Dujiangyan

- the source of surplus in the Chengdu Plain
- the integration of sustainable technology and local cultural practice

Traditional *Linpan* Landscape of the Chengdu Plain

A uniquely dense-but-dispersed regional settlement pattern
Environmental and Culture Restoration
WildGrass Culture: An Urban Agricultural Movement in Chengdu -- building Community & Trust
CHINA VILLAGE STUDIO
Vernacular Architecture / Community Development / Cultural Landscape Preservation / Hazard Mitigation
Shanghai
Chengdu, Sichuan Province
June 26 – July 23

CASE STUDY
Village Re-development in the Chengdu Plain