



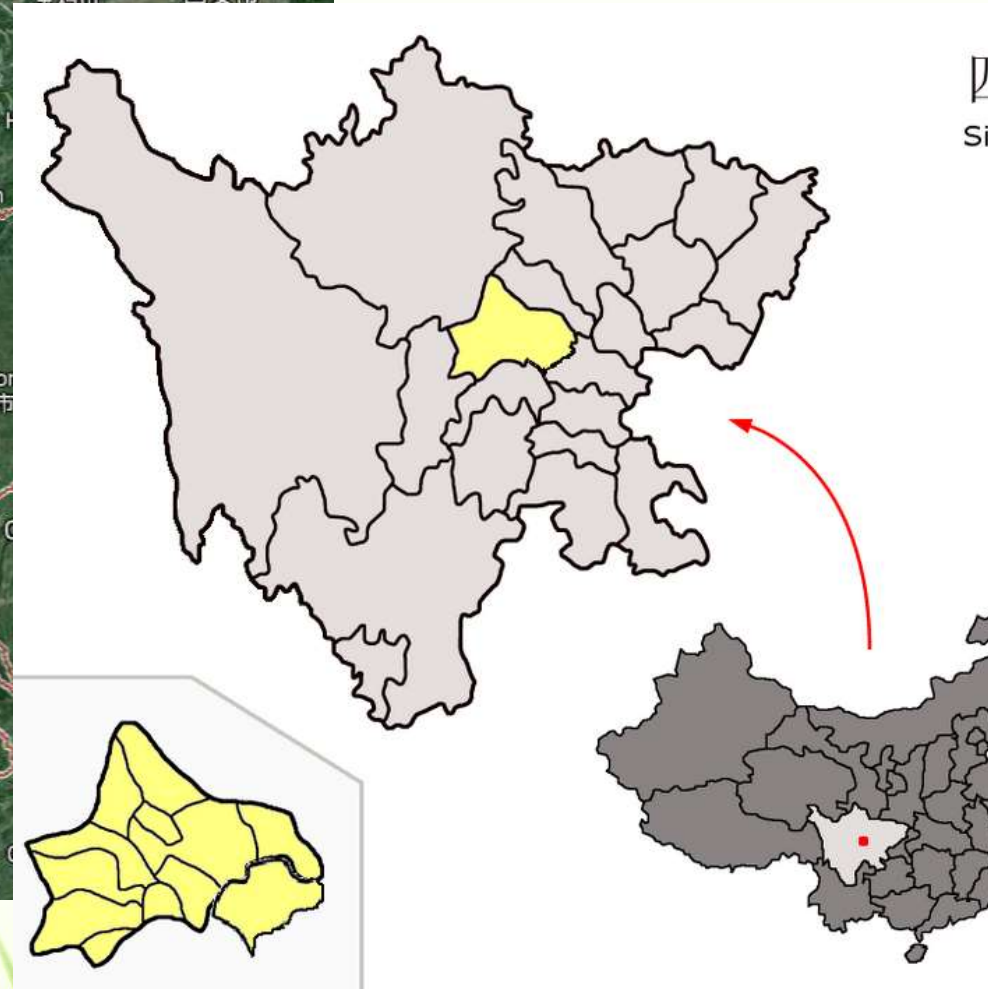
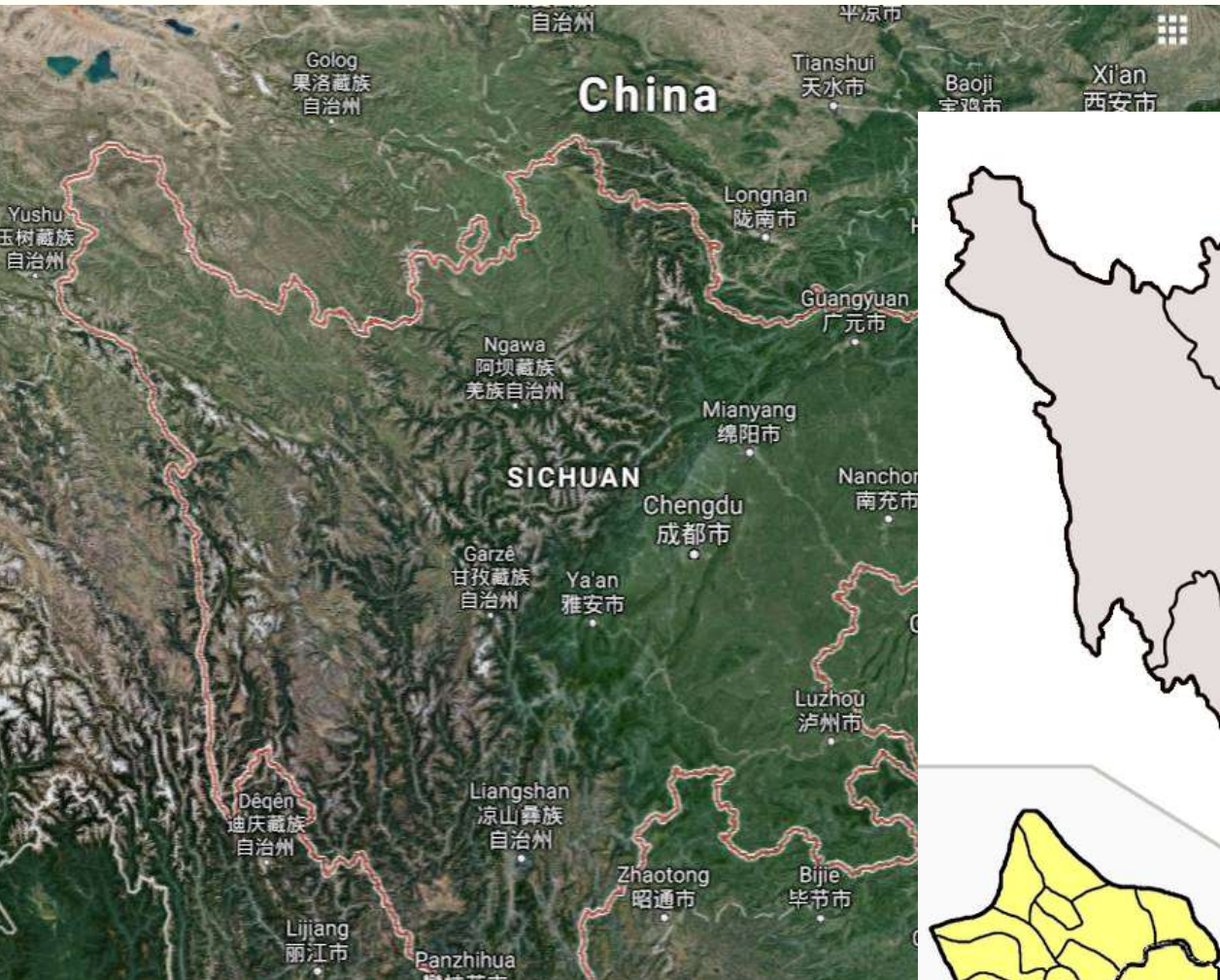
*Presented at the FIG Working Week 2017,  
May 29 - June 2, 2017 in Helsinki, Finland*

# **Smart Land Consolidation Approach in China**

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A case study of Chengdu plain

# Chengdu plain in West China





# Symbol of Chengdu plain

- the world's biodiversity conservation flagship species
- more than **80%** of wild pandas are in **Sichuan province**.





# Linpan -----another treasure of Chengdu plain



top view of linpan



# Definition of Linpan

- discoid field green land
- settlements surrounded by groves and farmland, water system
- an integrated rural settlements combine with living, production, ecology and landscape function



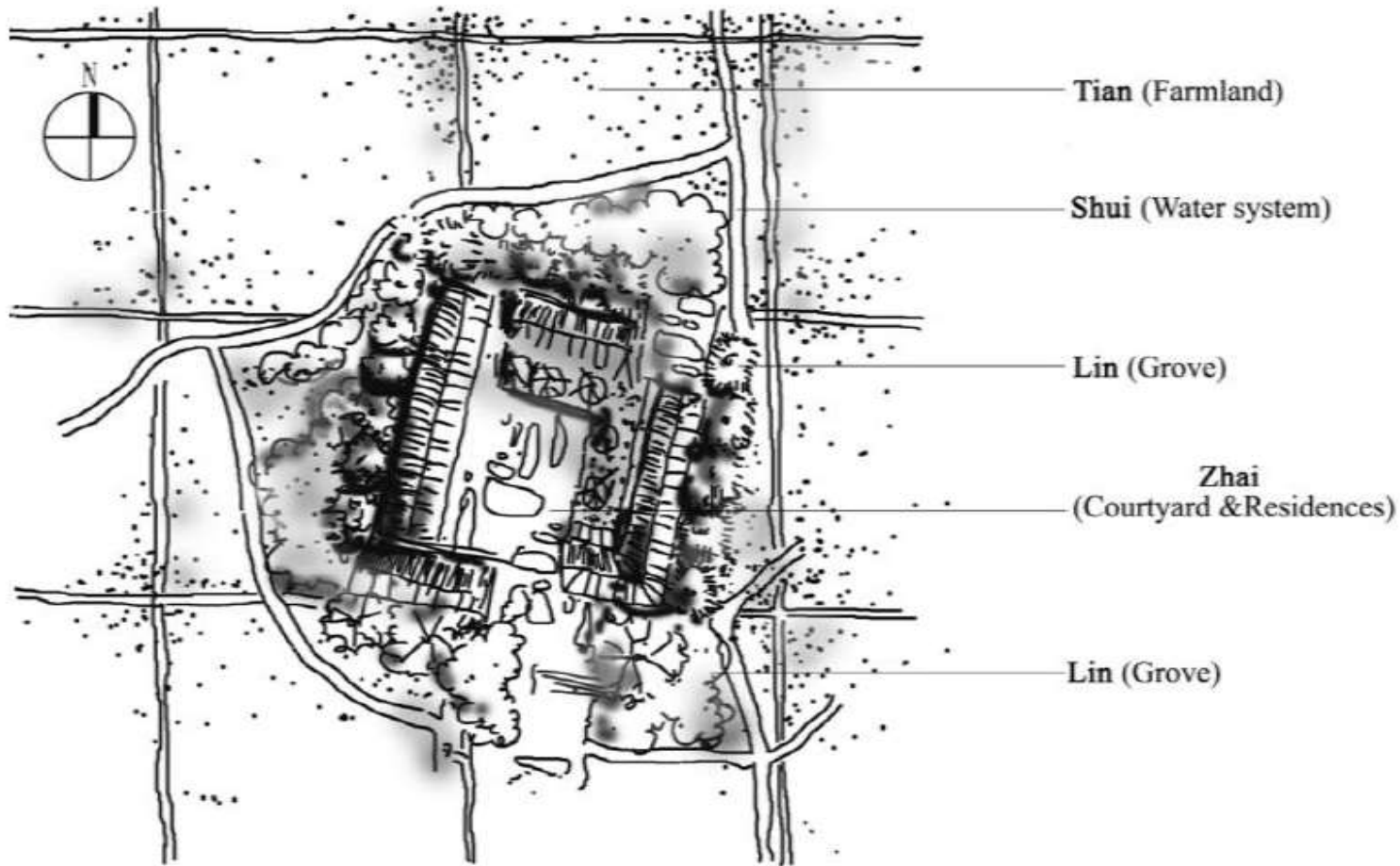
level view of linpan



inner view of linpan



# Basic structural elements of Linpan landscape cell – Survival wisdom in life



*“Research of Eco-wisdom of Linpan in Chengdu Plain”, (Tao Jing and others, College of landscape architecture of Sichuan agricultural University)*



# History of linpan


- 2200 years old Dujiangyan system
- 140,000 linpan along Dujiangyan irrigation area on Chengdu plain.



Dujiangyan dam



linpan photo in Qing Dynasty



**How shall we carry out  
land consolidation in such area with  
remarkable ecological and cultural  
heritage?**



# Usual vision of rural development



**Rural urbanisation, no more heritage and nature, landless farmers, settlements far away from nature and rural life**

*(A New Community of Farmers, Henan province)*

# SCME strategy in Chengdu plain

- ◆ S: Small settlement
- ◆ C: Clustered development
- ◆ M: Miniature grove
- ◆ E: Ecological facility





## Smart attempts in Chengdu plain: Wuxing village



## Wetland near Wuxing village





# Harmonious community and miniature rural landscape



Longmenzi linpan, qunan village, chongzhou city



Huoxing farmers community





## Country inn in Wuxing village





# Art gallery in Mingyue village

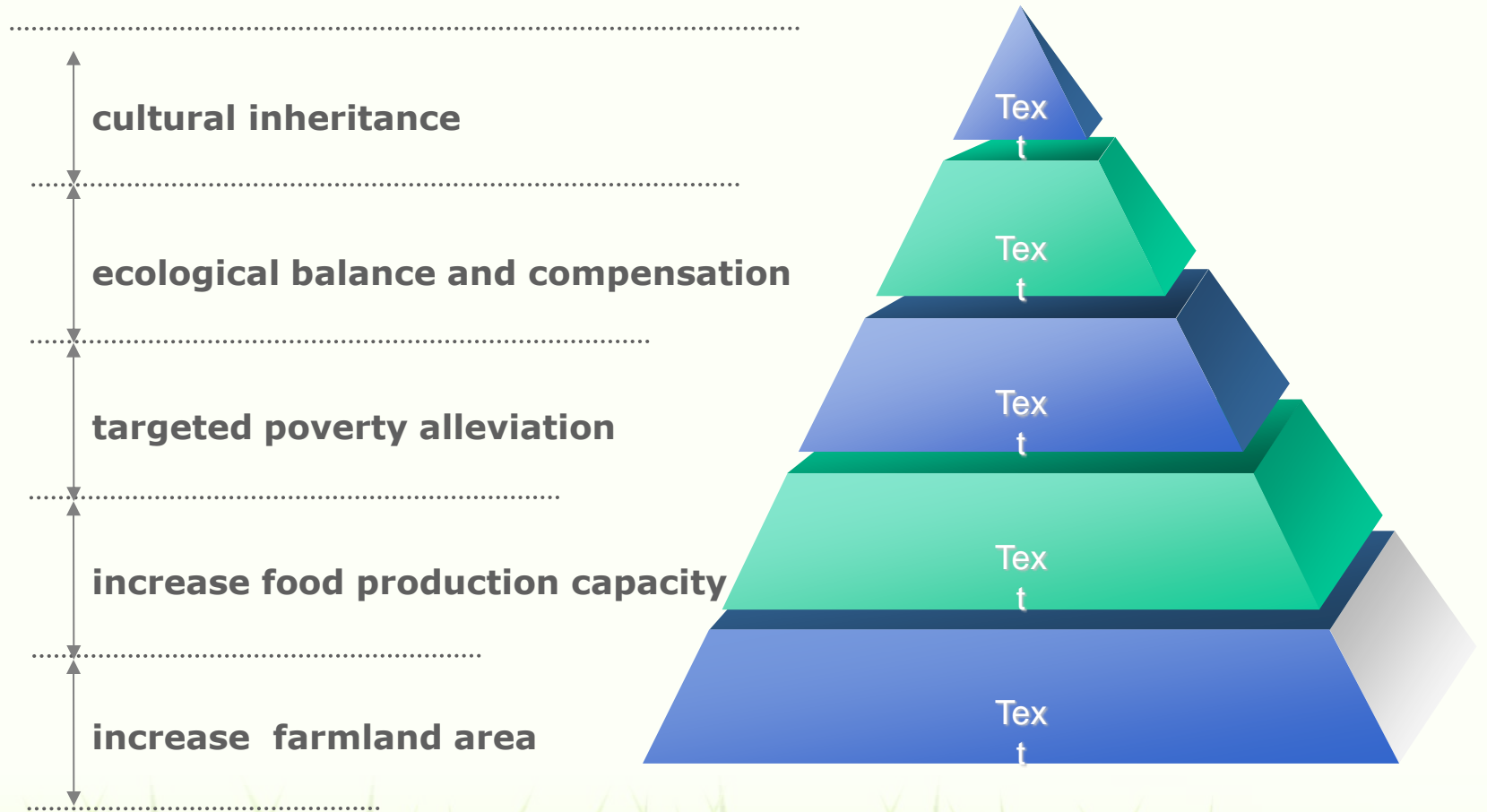


# Map and bike for visitors in Wuxing village





# Hierarchy of smart land consolidation



# Definition of smart land consolidation(SLC)

- a new land reconstruction mode that stands for low intervening to nature and maximally protecting the rural landscape and traditional villages.
- It does not advocate the large-scale demolition and oppose to introduce the urban greening into the country,
- lays more emphasis on keeping the original local natural characteristics and cultural context
- pays more attention to develop and promote the unique natural landscape and offer space for ecological protection and economic development.





# What can we learn from SLC

- Chinese have learnt to be humble before nature, history and locals .
- Some regions have upgraded the protection of ancient villages and agricultural landscapes to the equal level of the cultural heritage protection, thus it is a qualitative improvement to the land consolidation work in China.
- Matches the people's demand for slow life
- Complies with the fundamental policy of ecological Civilization Construction





# Thank You!

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