

Presented at the FIG Working Week 2016,  
May 2-6, 2016 in Christchurch, New Zealand

# Analysis of key problems of the land use planning during the post- disaster reconstruction



## FIG Working Week 2016

CHRISTCHURCH, NEW ZEALAND 2-6 MAY 2016

Recovery

from disaster

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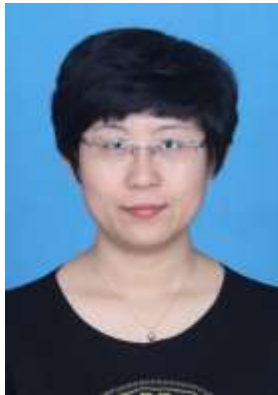


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## Introduction

Increasing importance of  
land use planning

Problems existed in land  
use planning

Improvements of land  
use planning



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WenChuan huge earthquake in May 12<sup>th</sup> , 2008



## KEY ISSUES ANALYSIS





## Resources and Environment factors identification

Data  
collection

Environment  
Analysis



## Safety evaluation of Land use

### Earthquake rupture zone

- 200meters within the earthquake rupture zone; relative height difference 400-1000meters; topographic slope higher than 25 degree.

### Geological disaster easily occurred district

- Dense middle-large size scale of geological disaster. Focus on ecology protection.

### Geological disaster medially occurred district

- Small-middle size scale of geological disaster, geological environment is weak.

### Geological disaster hardly occurred district

- Small size scale of geological disaster, relatively low density of geological disasters

### Other areas

- Outside of the danger zone and the geological disaster high occurred district.



## Resources Environment carrying capacity evaluation

### Suitable for reconstruction area

- -high resources environment carrying capacity
- -low risk of disaster
- -population gathering
- -boosting economy
- -developing various industries

### Moderate reconstruction area

- -relatively low resources environment carrying capacity
- -relatively high risk of disaster
- -only develop specific industry

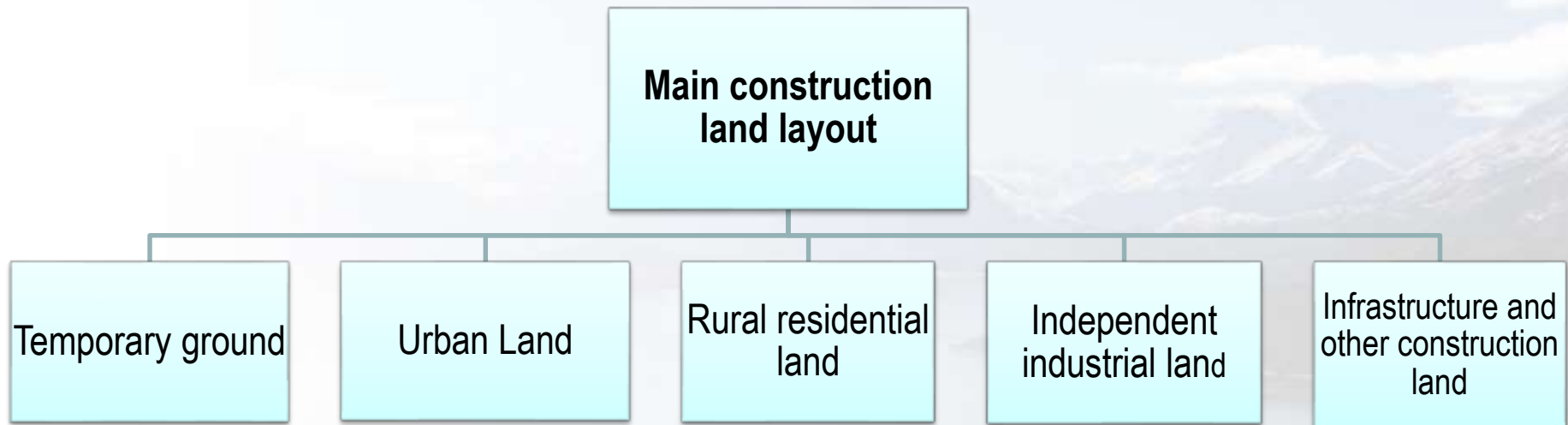
### Ecological reconstruction area

- -low resources and environment carrying capacity
- -high risk of disaster
- -ecological function and short of construction land
- -high cost of building





## Land suitability layout





## Conclusion and Suggestion



Planning environmental impact assessment

- -Solving environmental problems
- -Conduct analysis

Enlarge public participation

- -Improve efficiency
- -Enhance the supervision

Establish the planning enforcement detection and assessing mechanism

- -Evaluate the objective conditions and planning implementation situation
- -Adapt to the new policies



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**Thanks for listening!**



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