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

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Introduction

Increasing importance of land use planning

Problems existed in land use planning

Improvements of land use planning
WenChuan huge earthquake in May 12th, 2008
KEY ISSUES ANALYSIS

- Resource and environment factors identification
- Land suitability layout
- Safety evaluation and land use
- Resource environment carrying capacity evaluation
Resources and Environment factors identification

- Data collection
- Environment Analysis
<table>
<thead>
<tr>
<th>Safety evaluation of Land use</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Earthquake rupture zone</strong></td>
</tr>
<tr>
<td>• 200 meters within the earthquake rupture zone; relative height difference 400-1000 meters; topographic slope higher than 25 degree.</td>
</tr>
<tr>
<td><strong>Geological disaster easily occurred district</strong></td>
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<tr>
<td>• Dense middle-large size scale of geological disaster. Focus on ecology protection.</td>
</tr>
<tr>
<td><strong>Geological disaster medially occurred district</strong></td>
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<tr>
<td>• Small-middle size scale of geological disaster, geological environment is weak.</td>
</tr>
<tr>
<td><strong>Geological disaster hardly occurred district</strong></td>
</tr>
<tr>
<td>• Small size scale of geological disaster, relatively low density of geological disasters</td>
</tr>
<tr>
<td><strong>Other areas</strong></td>
</tr>
<tr>
<td>• Outside of the danger zone and the geological disaster high occurred district.</td>
</tr>
</tbody>
</table>
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

Main construction land layout

- Temporary ground
- Urban Land
- Rural residential land
- Independent industrial land
- Infrastructure and other construction land
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
Thanks for listening!