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Comment

## ***Interactive comment on “The challenge and future of rocky desertification control in Karst areas in Southwest China” by J. Y. Zhang et al.***

**J. Y. Zhang et al.**

hellojunyi@yeah.net

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First of all, we are very thankful for the time and work of the reviewer reviewing our manuscript. All of the reviewer’s comments are important to improve the manuscript. The replies to the reviewer’s comments are as follows: Comment1: Line 1-2, Page 3, the authors showed a picture of typical rocky desertification (Fig. 1), but did not indicate the specific location. The same question existed in Fig. 2 on page 5. Reply1: We will provide the location of the photos of typical rocky desertification in the revised manuscript. Please see specific amendments in the revised manuscript. Comment2: Page3, the paper mentioned the major provinces and distribution of rocky desertification in Southwest China, but it did not provide the latitude or location map of these provinces in China, or they are linked or disperse, which are difficult for

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readers to understand, especially for foreign readers. Reply2: Firstly, we are sorry for the neglect of the problem. The geographical location and distribution of the rocky desertification in China is more familiar to the Chinese readers or the readers who expert on rocky desertification problems, but it is not conducive to the general readers. We will provide a picture of the main provinces distributing the rocky desertification in China in the revised manuscript. Please see specific amendments in the revised manuscript. Comment3: Line 9, Page 4, the authors mentioned the concept of potential rocky desertification(PRD). What are the difference between potential rocky desertification and rocky desertification? Is there vegetation or soil on the surface? How is vegetation or soil coverage in potential rocky desertification? Please add the definition of potential rocky desertification. Reply3: We will add the concept of potential rocky desertification in the revised manuscript in order to help readers understand the difference between rocky desertification and potential rocky desertification. Please see specific amendments in the revised manuscript. Comment4: Line 11, Page 7, the authors mentioned "short compensation times". The expression is not accurate. Please give the exact time. Reply4: There is no agreed compensation standard for rocky desertification in Southwest China. Because the task of rocky desertification control is allocated to every county and city, appropriate compensation standards and deadlines were made by every county and city according to their own conditions, generally no more than 3 years, or a one-time monetary compensation. Comment5: There are some Chinese literatures in references, but the authors did not mark their language. Reply5: We will mark the Chinese references according to the requirements of Solid Earth.

Please also note the supplement to this comment:

<http://www.solid-earth-discuss.net/7/C1566/2015/sed-7-C1566-2015-supplement.pdf>

Interactive comment on Solid Earth Discuss., 7, 3271, 2015.

**SED**

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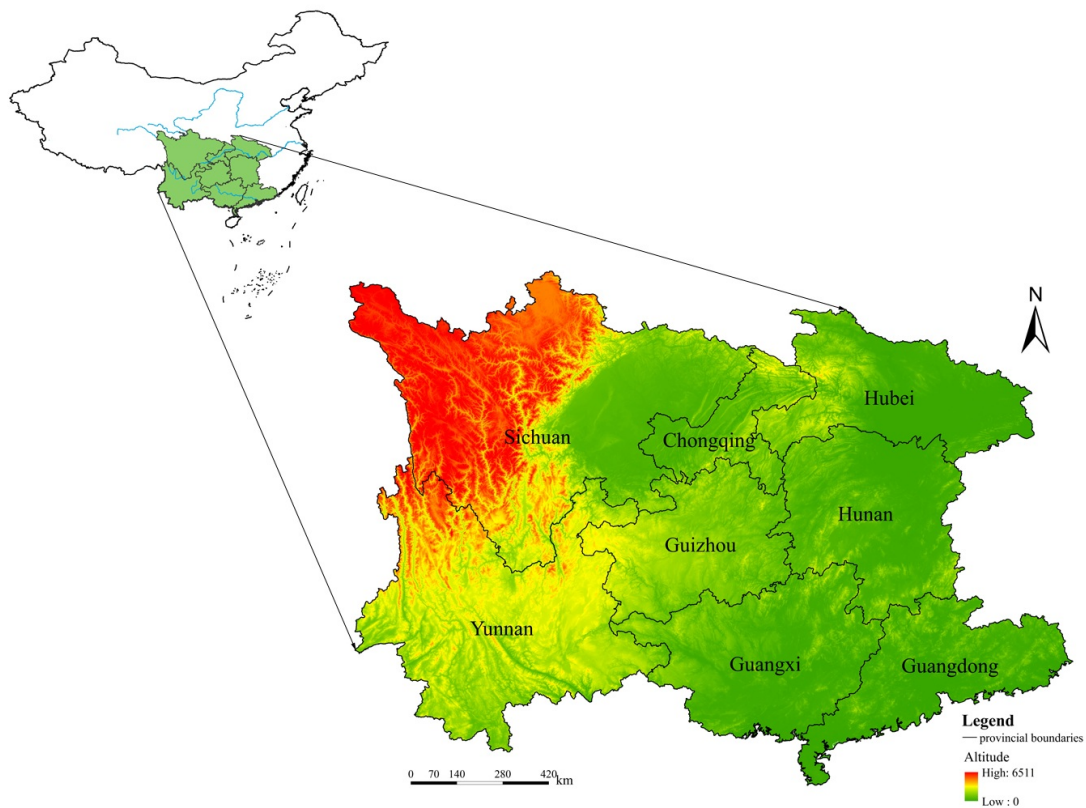


Fig. 1.

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