

Review the revised version

Title: A 30-meter terrace mapping in China using Landsat 8 imagery and digital elevation model based on the Google Earth Engine

Thank you for your detailed responses.

Below are my comments for the revised version of your paper, please refer to them.

1. Response 3: In machine learning, feature is the selected property or characteristic of samples. The feature number is 39 in this study. Detailed information about features used in the study can be found in Section 2.2.

Comment: Were all 39 input features useful for the rice terrace classification? It was time-consuming to prepare the input feature as well as train the model using the huge input data, wasn't it?

2. Response 4: ...However, the local sample size was very small ($N < 10$ for either terrace or non-terrace) in some provinces (Gansu, Guizhou, Heilongjiang, Hongkong, Jilin, Macau, Ningxia, Shandong, Shanghai, Tibet, Xinjiang, Yunnan). So, only using the local samples collected in the study is insufficient for training the classifier and comparing the results.

Comment: What if you apply the model using only local samples and compare the results for the provinces with sufficient train and test samples?

3. "Nine-Dash Line": In Figures 2, 3, 6, 9, other I will have missed, the controversial "Nine-Dash Line" is shown. I strongly recommend the authors to remove the controversial "Nine-Dash Line" from all figures of this manuscript. This item is irrelevant to the scientific content of this paper, and has also been rejected by a 2016 international tribunal in The Hague (see a summary at https://www.theguardian.com/news/2016/jul/12/south-china-sea-dispute-what-you-need-to-know-about-the-hague-court-ruling?fbclid=IwAR0POoX2gUpHd_r16bFtpEUKwkxaY23z4du1Dbqq0IqpEV6IDQ7HJh6k8jk; and the Press Release of this international court at <https://pcacases.com/web/sendAttach/1801>).

I strongly believe that papers published in ESSD journal should only focus on the scientific aspects of the Land Cover and Land Use mapping disciplines rather than (political) propaganda. As a result, the inclusion of the "Nine-dash line" is both irrelevant and inappropriate.