

## A review and outlook of terrestrial and insular vegetation classification research in China

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The terrestrial vegetation classification in China has attained significant development on the basis of the field investigation and its related research during the past century. Lacking of the observation data, the research situation of insular vegetation classification is diametrical. This article is aiming to fill the vacancy by the conclusive research. Firstly, the article reviews the research experience of Chinese terrestrial vegetation classification and regionalization. Taking the islands of Zhejiang Province and Fujian Province as example, it comes up with the exploration of the relationship between insular vegetation classification and climatic limitation factors, and the approach of researching insular vegetation types and its distribution. Secondly, according to the theory of terrestrial classification, the article discusses the possible vegetation types of the islands of Zhejiang Province and Fujian Province, and make sure that insular vegetation type should be in the range of terrestrial vegetation. Finally, based on the integrative analysis, a new approach of insular vegetation classification is proposed. Starting from the climatic limitation factors distributions, the vegetation types and their distribution have been being deduced, in consideration of the relationship between vegetation and climatic limitation factors, which differ from method of the land vegetation classification.