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Authors: Jingli Yan, Weiqi Zhou, Lijian Han, Yuguo Qian



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Mapping vegetation functional types in urban areas with WorldView-2 imagery: Integrating object-based classification with phenology

Jingli Yan ^{a,b}, Weiqi Zhou ^{a,*}, Lijian Han ^a, Yuguo Qian ^a

^a State Key Laboratory of Urban and Regional Ecology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing 100085, China

^b University of Chinese Academy of Sciences, Beijing 100049, China

*Corresponding authors: wzhou@rcees.ac.cn

Tel.: +86-10-6284-9268; Fax: +86-10-6291-5372

Address: Shuangqing Road 18, Haidian District, Beijing 100085, China

Highlights:

- Employed an object-based approach integrating vegetation phenology with WorldView-2 imagery
- Vegetation functional types were improved by 10% to 13.26% in accuracy owing to phenology
- WorldView-2 imagery is effective in classifying vegetation types in compact urban areas

Abstract

Mapping urban vegetation is a prerequisite to accurately understanding landscape patterns and ecological services provided by urban vegetation.

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