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Region Based Classification (RBC), Object Based Image Analysis (OBIA) and Deep Learning (DL) for Remote Sensing Applications

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closed (30 April 2019)

Message from the Guest Editors

This Special Issue focuses on RBC steps for land use mapping under restricted availability of labeled training data, especially with DL methods. Alternatively, how to specify the segmentation parameters and features coupled with the configuration of standard classifiers (Random Forests, Support Vector Machines, Maximum Likelihood, and others), for improving RBC of Remote Sensing data.

Submissions may relate to the following scientific questions (but not limited to):

- How to specify the best segmentation parameters as function of the classifier to be used, and the set of classes of interest?
- How to design a system to resolve hard to separate land cover classes?
- How to use DL methods for Region Based Classification?
- How to take in account semantics in RBC?
- How to take in account source data characteristics, like SAR and hyperspectral and/or multi-temporal into RBC processes?

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Message from the Editorial Board

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