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## Possibilities of Using Remote Sensing Satellite Data from the BRICS Countries to Obtaining Forest Ecosystems Information

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**Abstract.** *The article discusses various methods of imagery data thematic interpretation for obtaining information about forests based on data from the BRICS countries constellation of remote sensing satellites. The presented research is a part of the work performed within the framework of an agreement between the Russian Space Agency, Indian Space Research Organization, China National Space Administration and South African National Space Agency. Within the project, satellite imagery from China, Brazil and India was provided for the pilot site, located on the territory of the Shushensky and Ermakovsky districts of the Krasnoyarsk Territory and the Tashtypsky district of the Republic of Khakassia. The study results showed the possibility of determining forest and non-forest areas, quantitative and qualitative forests indicators based on the spectral and reflective characteristics taken from Meteor-M and Resourcesat/LIS satellite imagery.*

**Key words:** *forest taxation interpretation, remote sensing, satellite imagery, taxation indicators, BRICS, Meteor-M, Resourcesat/LIS.*

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