The Global Observation of the Satellite Altimeter (GOCE) allows us to investigate areas that are inaccessible due to either physical or political barriers. We intend to use the GOCE observations for detecting unknown tectonic features.

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GOCE observations for detecting unknown tectonic features

Long period MT sounding with the gradient observations to solve the problem of the subsidence mechanism.

In particular, for the great basins of South America, as Parana, Amazon and Pantanal, we integrate broad-band and mid period MT sounding with the gradient observations. In the South American, African (in cooperation with J.O.E. Lebedev, Novosibirsk), and European continent, a part of the gradient also has economic potential. Our main study areas are the South American African (in cooperation with J.O.E. Lebedev, Novosibirsk) and European continent, with a part of the gradient also having economic potential.