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Space-Borne Gravimetric Measurements for Quantifying Earth System Mass Change

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Deadline for manuscript submissions:
closed (1 May 2022)

Message from the Guest Editors

Global interest towards measuring space-time variations in Earth's gravity field has grown enormously in the last decade. Several mission concepts are under study by space agencies in both the U.S. and Europe, with a goal of continuing the time series of mass change observations established by GRACE and GRACE-FO, while also improving upon previous measurements. A future gravity mission is positioned to build upon the successful technological advances of previous missions, such as GRACE, GOCE, and GRACE Follow-On. These observations will be complementary to other Earth observations to advance Earth system science holistically.

Contributions highlighiting the benefit of measurements of the Earth gravity signal are welcomed, as well as papers dealing with alternative/new approaches to enabling and advancing these measurements in terms of both mission design and dedicated instrumentation.

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Editor-in-Chief

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Message from the Editor-in-Chief

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