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Introducing GRACE Follow-On mock data challenge project

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GRACE Follow-On satellites will be launched in 2017. Equipped with the additional Laser Ranging Instrument (LRI) sensor, GRACE Follow-On is expected to reach even better spatial and temporal resolution for the Earth's gravity field.

GRACE Follow-On mock data challenge project is part of the geo-Q project at Leibniz Universität Hannover and plans several runs of data challenges for GRACE Follow-On. The challenges are coordinated from simple gravity field recovery in 2015 to more advanced forms when LRI noise model will be added in 2016 challenge.

The aim of these challenges is to engage different research centers around the world to test their methods for gravity field recovery from simulated data which will lead to develop data analysis tools and capabilities for GRACE follow-On data.

In this contribution we introduce the mock data challenge project for GRACE and GRACE Follow-On. The highlights and objectives of the challenges will be given, with the details about the webpage and data exchange for the participants.