

# Second Circular Satellite Geodesy for Climate Studies

Workshop, Bonn, Germany  
September 19-21, 2017

**Abstract submission deadline:  
May 31, 2017**

Conference website  
<http://geodesy-for-climate.org/>

Conference contact email  
[loc@igg.uni-bonn.de](mailto:loc@igg.uni-bonn.de)

## Aims and Scope

The growing record of space-gravimetric and -geodetic data (GRACE, GNSS, radar altimetry, InSAR, VLBI, ...) provides a new view on Essential Climate Variables such as terrestrial water storage and continental ice-mass changes, steric and barystatic sea level variability, sea ice coverage, tropospheric water vapor variations, and others. These observational data sets have the strong advantage to be homogeneous around the globe, and independent from any other data commonly used to validate climate models.

Geodetic time series start to reveal a complex picture of low-frequency natural climate variability, long-term climate change and other anthropogenic modifications in

geodetic data. It is still difficult to evaluate decadal variability from geodetic data alone, but in combination with other observations or reanalyses they provide excellent tools for climate model evaluations.

## Keynote Speakers

G. Kirchengast (U Graz), R. Pacione (e-GEOS, Rome), R. Pail (TU Munich), D. Stammer (U Hamburg)

## Sessions

Session A (convenors: C. Böning, M.-E. Demory): What is required for validating climate models using geodetic data

Session B (convenors: W. Feng, S.-C. Han): Long and consistent geodetic time series (observation session)

Session C (convenors: J.T. Reager, A. van Dijk): Climate modelling and observable variables

Session D (convenors: B. Wouters, H. Dolslaw): Prospects of future missions and constellations

## The workshop will be organized by

IGAG SC 2.6: Gravity and Mass Transport in the Earth System

IGAG JWG 2.6.1: Geodetic Observations for Climate Model Evaluation

IGAG JWG 4.3.8 GNSS Tropospheric Products for Climate

## Scientific organizing committee:

A. Eicker (HCU Hamburg), J. Kusche (U Bonn), R. Pacione (e-geos/ASI), C. Böning (JPL), J. T. Reager (JPL), D. Stammer (U Hamburg), W. Feng (CAS), S.-C. Han (U Newcastle), M.-E. Demory (U Reading), H. Dolslaw (GFZ Potsdam), A. van Dijk (ANU), B. Wouters (IMAU, Utrecht)

## Local organizing committee

J. Kusche (Uni Bonn), R. Rietbroek (U Bonn), C. van Eckeren (U Bonn), A. Eicker (HCU Hamburg)

## Registration Fee

The registration fee will be Euro 150. It will have to be paid cash, on-site (receipts will be available). The registration fee will include dinner at September 19, lunch and coffee breaks.

## Workshop Venue

University of Bonn, Institute of Geodesy and Geoinformation, Nußallee 15 and 17, D53115 Bonn, Germany

Bonn is close to airports Cologne/Bonn and Frankfurt.

## Accommodation

Bonn offers a wide range of hotels and other accommodations. We have arranged for pre-booked reservations for a limited number of rooms (see conference website).

## Side event

Depending on the number of participants we will organize a side event, e.g. Rhine river boat trip.

