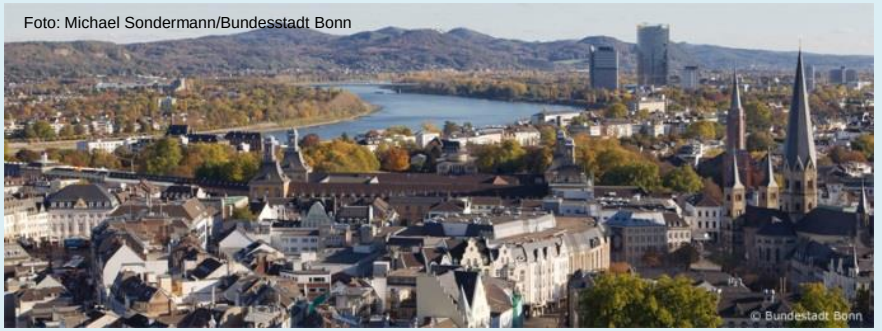
Keynote speakers

- Gabrielle De Lannoy, KU Leuven, Belgium
- Ahmed H. ElSheik, Heriot-Watt University Edinburgh, UK
- Henrik Madsen, Danish Hydraulic Institute , Denmark
- Roland Potthast, German Meteorological Service, Germany

Location: University of Bonn

Information and registration

31 May 2016:	Deadline for abstract submission
15 June 2016:	Decision on abstract acceptance
30 August 2016:	Deadline for registration/payment



First Announcement
International Workshop

Workshop on Data Assimilation in Terrestrial Systems

19th-21st of September 2016 in Bonn, Germany

For additional information and abstract submission
http://workshop-for2131.uni-koeln.de

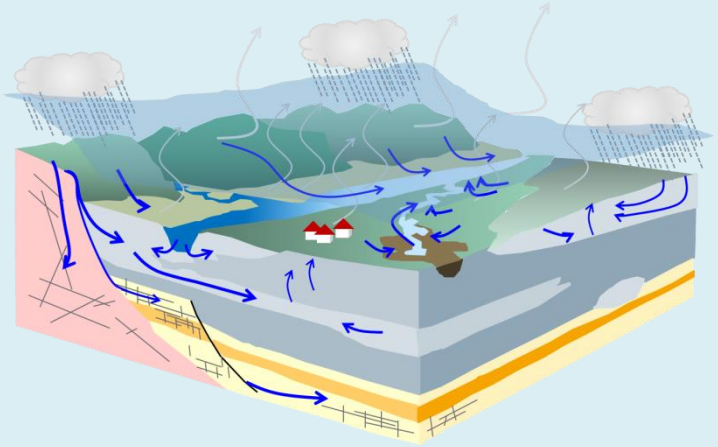
Organized by: DAFOH[1], HEPEX[2], FOR2131[3] and TR32[4]

[1]Data Assimilation for Operational Hydrology and Water Management
[2]Hydrologic Ensemble Prediction: http://www.hepex.org
[3]DFG Research Unit FOR2131: http://www.for2131.de
[4]DFG Transregio TR32: http://www.tr32.de

Motivation

The workshop will provide a platform for scientific exchange among researchers working on data assimilation methods and applications in terrestrial systems. Topics to be discussed are the development, improvement and evaluation of methodologies both in synthetic and real-world studies, and operational applications of data assimilation including real-time forecasting, control and management.

We invite participants interested in data assimilation developments and applications for the subsurface, land surface, and the atmosphere with the goal to analyze and/or predicts terrestrial water and heat energy cycles, rainfall-runoff processes, and biogeochemical cycles. Studies which involve multiple compartments of the terrestrial system are particularly welcome.



Schematics of the terrestrial system containing groundwater, soil, vegetation, and atmosphere.

Atmospheric flux measurements

Costs

The conference fee is 150€.

The fee will include coffee and snacks during the breaks, an ice breaker on Monday, and an evening dinner served on a ship cruising the Rhine in the vicinity of Bonn.

Scientific Questions

- What should be the design of a system, which allows to assimilate observations of slow and fast system variables in an integrated way?
- What are effective methods to deal with observation and model biases?
- How can we use data assimilation techniques to update both state variables and system parameters?
- How can we use data assimilation systems to design effective observation systems?
- How can we use data assimilation systems better for operational predictions and real-time control?