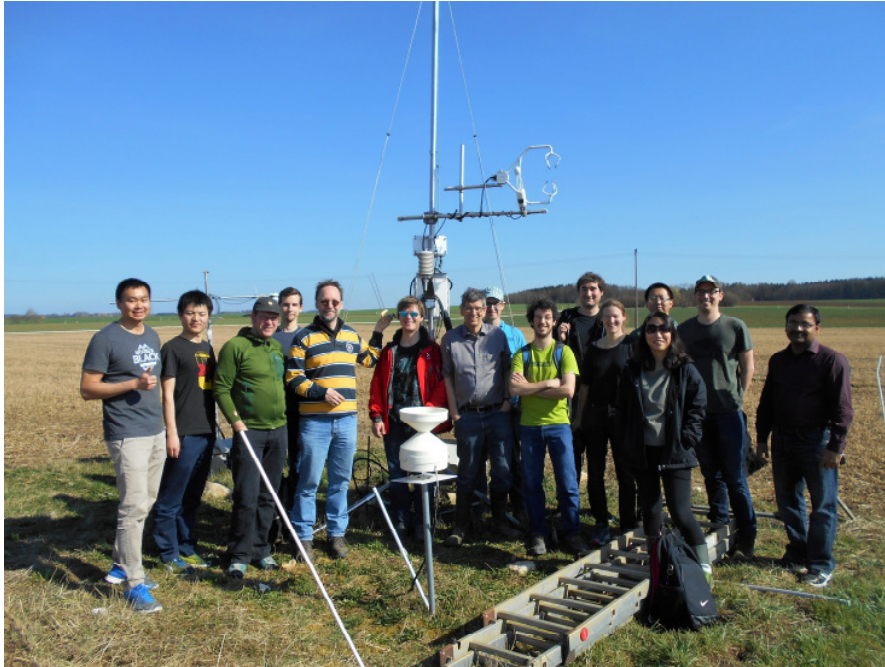


Spring School 2017 - Land Surface Processes

From March 27th to March 31st the RTG held a Spring School at the Tagungszentrum Blaubeuren dealing with Land Surface Processes. In total 9 RTG students, 5 external students, and postdoctoral researchers from the University of Tübingen and the University of Hohenheim participated. The course consisted of lectures, practical work on data analysis of Eddy-Covariance, radiosonde and doppler lidar measurements and an excursion to the Nellingen observation site, where the University of Hohenheim conducts long term Eddy-Covariance measurements to observe the influence of the land cover on the surface energy balance.



The participants of the spring school in front of one of the EC-Stations in Nellingen.

The list of speakers included well known experts in the area from different institutions, including ETH Zürich, University of Wageningen, BOKU Vienna, Helmholtz Center Munich, University of Bayreuth, Forschungszentrum Jülich, University of Tübingen and the University of Hohenheim.

Summary of presentations

Prof. Dr. Volker Wulfmeyer (University of Hohenheim)

- Overview of Land Atmosphere (LA) Feedbacks
- ABL Turbulence and Entrainment

Dr. Josipa Milovac (University of Hohenheim)

- Characterization of LA Feedback

Prof. Dr. Chiel van Heerwarden (University of Wageningen)

- Soil-Vegetation-Atmosphere-Cloud Interaction

Dr. Linda Schlemmer (ETH Zürich)

- Land Surface Processes and the Formation of Convection and Precipitation

Dr. Joachim Ingwersen (University of Hohenheim)

- Soil Water Transport and Ground Water

Dr. Eckart Priesack (Helmholtz Centre Munich)

- Vegetation Dynamics

Prof. Dr. Thomas Foken (University of Bayreuth)

- Monin-Obukhov Similarity Theory and Land-Atmosphere Exchange

Dr. Heye Bogena (Forschungszentrum Jülich)

- TERENO

Prof. Dr. Jens Bange (University of Tübingen)

- UAV Measurements

Dr. Shravan Muppa (University of Hohenheim)

- LAFO and LAFE

Dr. Daniel Erdal (University of Tübingen)

- Coupling of Models

Paolo Mori (University of Hohenheim)

- Seasonal Forecasts for the Horn of Africa

Stephan Adam (University of Hohenheim)

- Large Eddy Simulations with WRF

Shanghua Li (University of Tübingen)

- Modelling Vegetation Dynamics Including Feedbacks to Hydrology

Sven Seidensticker (University of Tübingen)

- Transfer of Organic Wastewater Contaminants from Microplastic Particles to Natural Dissolved Substances

Excursion to the Blautopf

Blaubeuren is most famous for the Blautopf, Germany's second largest karstic spring. An excursion to the Blautopf was made Tuesday afternoon. It is the spring of the river Blau, a tributary river to the Danube. The Blautopf is the entrance to a widely distributed cave system under the Swabian Jura, which is partly filled with water and dewateres the surrounding higher areas.



The Blautopf. The blue colour comes from Rayleigh scattering at nano-scale chalk particles in the water.