

2nd Young Researcher NARVAL-II Synergy Workshop – a HALO Topical Workshop

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Meteorological modelers and observationalists tend to live in different worlds although they are working on similar topics in the same climatological region. In the context of the tropical NARVAL campaigns, we are trying to dissolve the border between both worlds and would like to bring young modelers and observationalists together.

Closing the gap between modeling and observations requires to find a set of physical quantities and metrics which can be used by modelers and be measured and retrieved by instruments. This should be accomplished during discussions on a practical level which shall evolve into hands-on sessions as quickly as possible. We will have small programming sessions, where people from different instruments and models personally work together on small data examples in order to learn something new, which is not possible with the understanding of either measurements or simulations alone. The purpose of these sessions is not to create final products, but rather to share knowledge of the own field with the rest of the group. By putting ideas into action directly, start-up problems can be identified and solved during the workshop to foster the continuation after the workshop.

TENTATIVE AGENDA

To have effective hands-on sessions, collective preparation is required, so the participants experience two phases of the workshop: a preparation phase and the actual two-full-day meeting at the University of Cologne.

Preparation Phase

In the preparation phase to the workshop (~1 month before) a collection of possible topics and the workshop agenda for the first day will be assembled by all participants in a collaborative online tool. The participants are also asked to prepare their datasets for the workshop in this phase.

Workshop Phase

The workshop will start at noon with short introductions by all participants presenting what they are working on scientifically and which kind of data they offer. An open discussion will then point out topics that people are interested in getting to know from the "other side". Based on the discussion and the online topic collection an agenda of small projects for the second day will be set up collaboratively. On the evening, it is planned to have a workshop dinner to promote the communication between the two "worlds". The second day is dedicated to practical work on the proposed ideas and projects. Before the second day ends, a wrap-up is planned to review the archived output and to point out new and as far neglected topics. These topics shall be focused in the second morning session on day three. A final wrap-up will close the workshop. The agenda is kept open on purpose in order to allow all kind of questions from and adaptation to the latest findings of the participants.