

Symposium on the hydrometeorological usage of data from commercial microwave link networks



Tuesday, June 25, 2019 - Friday, June 28, 2019

KIT Campus Alpin

Scientific Program

The scientific program is split up into the five different categories, which are listed below. Please note that these categories are called "tracks" in the abstract submission form.

The main focus of the symposium is the hydrometeorological (HyMet) usage of data from commercial microwave link (CML) networks. But contributions on the general challenges of hydrometeorology or the details of current and future CML networks are also welcome.

The idea is to allow each institution and research team at least one oral presentation on Day1. These presentations should give a more general overview and not focus too much on the scientific details of specific methods or datasets. On Day2 and Day3 there will be enough time for additional oral presentations on specific topics.

The current timetable might be adjusted, depending on the submitted abstracts.

Info on poster and presentation format

Poster boards are in portrait format and can hold an A0 poster

The presenter computer provides Powerpoint 2016 and a PDF viewer

Own laptops can be attached via HDMI (we also have some adapters but it cannot be guaranteed that they work)

HyMet CML overview presentations and posters (Day1)

Presentations or posters with an overview of research with CML data for hydrometeorological applications.

Ideally each research institution or research team will get one presentation slot (12+3 minutes) on Day1.

Poster can be complementary but need a separate abstract. Poster attendance is on Day1 in the afternoon, but poster will stay up during the whole week.

Short introductory presentations of research groups (Day1)

For the groups that do not give a "HyMet CML overview presentation" on Day1, there is the opportunity for a short (approx. 5 minutes) introductory presentation on Day1. This way every research group can introduce its team members and its research.

Stakeholder contributions (Day1)

Stakeholders (e.g. network operators, water management, meteorological and hydrological services) are invited to give oral presentations (12+3 minutes) on Day1 or to present a poster. Poster attendance is also on Day1.

Topics might include, but are not limited to:
Challenges of operational rainfall observations
Current and future challenge in water management and flood warning
Potential operational use of CML data for hydrometeorological applications
The future of cell phone networks and the CML backhaul

Specific HyMet CML research topics (presentations on Day2, posters on Day1)

Presentations will be given on Day2, followed by longer discussion slots for the individual topics.

Poster attendance time is on Day1, but posters will stay up the whole week.

Topics might include, but are not limited to:
CML data acquisition and sharing
CML time series processing
Spatial reconstruction and data fusion
Demos, applications and operationalization

Community topics (Day3)

Suggestions for presentations or specific topics for discussion on Day3.

Topics might include, but are not limited to:
Standardization of analysis metrics
Comparison of processing methods
Data sets and benchmarking
Data sharing
Future collaboration
Joint proposals