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The challenge of processing one year of German-wide CML data

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Since September 2017 we gather data from around 4000 CMLs distributed over all landscapes of Germany at a temporal resolution of one minute.

We present a fast, parallelized workflow with a processing scheme composed from methods from literature, that were adjusted to our data set. This includes the comparison of different methods to classify wet and dry periods and to compensate for wet antenna attenuation.

We derive rainfall estimates which correlate well with a radar based, gauge-adjusted rainfall data set from the German Meteorological Service on an hourly, monthly and seasonal scale.

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Session Classification: Specific research topics

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