

Precipitation measurements: accuracy and data interpretation

Structure of the course

October 16th, 2023

h 14:00 – 16:00 Methods and instruments for atmospheric precipitation measurements

h 16:00 – 18:00 Supervised group work and discussion

October 20th, 2023

h 13:00 – 15:00 Sources of measurement bias and uncertainty

h 15:00 -17:00 Supervised group work and discussion

October 23rd, 2023

h 14:00 – 16:00 Wind-induced bias of catching type gauges (concepts and modelling): bluff-body behaviour of various gauge geometries, fluid-particle interactions, adjustments, and modelling aspects

h 16:00 – 18:00 Supervised group work and discussion

October 27th, 2023

h 13:00 – 15:00 Wind-induced bias of non-catching type gauges (concepts and modelling): bluff-body behaviour of various gauge geometries, fluid-particle interactions, adjustments, and modelling aspects

h 15:00 -17:00 Supervised group work and discussion

October 30th, 2023

h 14:00 – 16:00 Wind tunnel and field tests

h 16:00 – 18:00 Supervised group work and discussion