

## Satellite inspired hydrology in an uncertain future: a H SAF and HEPEX workshop



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Type: **Oral presentation**

### **Precipitation data assimilation at ECMWF**

*Wednesday, 27 November 2019 09:50 (20 minutes)*

The number of precipitation-related observations that are used in ECMWF's operational 4D-Var data assimilation system has been steadily increasing over the past two decades, bringing a significant improvement in the quality of atmospheric analyses and subsequent forecasts. This presentation will review the status of ECMWF's operational assimilation of all-sky satellite microwave brightness temperatures, ground-based radar composites (NEXRAD over the United States) and summarize recent developments toward the assimilation of even more observations from OPERA precipitation composites over Europe, from space-borne radar and lidar as well as from lightning observing systems such as GOES GLM.

#### **Which session would you like to present in?**

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**Session Classification:** Session 3: Hydrological data assimilation for NWP

**Track Classification:** H SAF and HEPEX joint workshop on "Satellite inspired hydrology for an uncertain future"