



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

## Tuesday, 26 November 2019

### Session 1: Remote sensing, hydrological modelling and data assimilation (09:00 - 14:20)

-Conveners: Patricia de Rosnay; Luca Ciabatta

time	[id] title	presenter
09:00	[6] Challenges for the HEPEX community in the coming years	Dr WETTERHALL, Fredrik
09:20	[5] Data assimilation for continuous global assessment of severe conditions over terrestrial surfaces	Dr ALBERGEL, Clement
09:50	[24] Joint assimilation of soil moisture and flood extent maps retrieved from satellite earth observation into a conceptual hydrological model for improving flood prediction: a proof of concept study.	Dr HOSTACHE, Renaud
10:10	[77] An automatic system for flood mapping based on Sentinel-1 data	Dr FIORI, Elisabetta
10:30	Coffee break	
11:10	[49] Precipitation measurements for hydrological applications	Dr KIDD, Christopher
11:30	[13] Projected Advances in the Remote Sensing of Precipitation	KUMMEROW, Christian
12:00	[9] Snow depth observations from Sentinel-1 over the Northern Hemisphere mountain ranges	Dr LIEVENS, Hans
12:30	[43] The impact of satellite data assimilation on hydrologic model performance	MUSUUZA, Jude
13:00	Lunch break	
14:00	[36] Characterization and monitoring of heavy precipitation events in the Mediterranean area using the H-SAF precipitation products	Dr PANEGROSSI, Giulia