

# ECMWF/ H-SAF and HEPEX Workshops on coupled hydrology

3-7 November 2014



## Posters

Poster title	Author
Global monitoring of root zone soil moisture from scatterometer data assimilation : methodology and validation	C. Albergel, P. de Rosnay and Lars Isaksen (ECMWF)
Comparison of soil moisture products (ECMWF forecast, H-SAF SM-DAS-2 product and LSA-SAF LST_SM) and its impact on modelled LSA-SAF evapotranspiration	Alirio Arboleda (Royal Meteorological Institute of Belgium)
ESSEM COST Action ES1404: A European network for a harmonised monitoring of snow for the benefit of climate change scenarios, hydrology and numerical weather prediction	Ali Nadir Arslan (Finnish Meteorological Institute)
H-SAF Hydrological Validation Activities in Belgium and Soil Moisture Data Assimilation	Pierre Baguis (Royal Meteorological Institute of Belgium)
A Novel Algorithm for Detection of Precipitation in Tropical Regions Using PMW Radiometers	D. Casella, P. Sanò, G. Panegrossi, L. Milani, M. Petracca, and S. Dietrich (Institute of Atmospheric Sciences and Climate/CNR)
The cloud dynamics and radiation database algorithm for retrieval of precipitation	D. Casella, S. Dietrich, A. Mugnai, G. Panegrossi, M. Petracca, and P. Sanò (Institute of Atmospheric Sciences and Climate/CNR)
Validation of H07 soil moisture product using triple and quadruple collocation techniques	Fabio Fascetti (Sapienza, University of Rome)
Assimilation of HSAF remote sensing snow data in the HYPE model	David Gustafsson (SMHI)
Hydro-validation of the H13 - Snow Water Equivalent Product in Northern Finland – Ounasjoki Case Study (2012 - 2014)	Jaakko Ikonen, Jouni Pulliainen, Ali Nadir Arslan, Matias Takala, Kari Luojus (Finnish Meteorological Institute)
Investigation on H-SAF preoperational precipitation product PR-OBS-15 findings using satellite and ground based data sources	Rafal Iwanski (Institute of Meteorology and Water Management - National Research Institute)
Mixed convective and stratiform precipitation event over central Europe 31 March 2013 from 0:00 to 12:00 UTC - comparison of PR-OBS-3 and PR-OBS-4 products performance	Ján Kaňák (Slovak Hydrometeorological Institute)

Case Study comparing the H-SAF Precipitation Products H03 and H04 with Radars in Slovakia: Mixed convective and stratiform precipitation event over central Europe, 31 March 2013 from 0:00 to 12:00 UTC	Ján Kaňák (Slovak Hydrometeorological Institute)
Comparison of the precipitation products of Hydrology SAF with the Convective rainfall Rate of Nowcasting SAF and the Multi-sensor precipitation Estimate of EUMETSAT	Judit Kerényi (Hungarian Meteorological Service)
Use of satellite products for hydrological applications at EDF	Matthieu Le Lay (EDF-DTG)
Estimating rainfall from global satellite soil moisture data: Recent improvements and applications	Luca Brocca and Christian Massar (Research Institute for Geo-Hydrological Protection (IRPI))
EUMETSAT Hydrological Satellite Application Facility	Davide Melfi (Italian Air Force Meteorological Service – CNMCA)
Case Studies Comparing the H-SAF Precipitation Products H01 and H02 with Radars in Slovakia	Luboslav Okon (Slovak Hydrometeorological Institute, Remote Sensing Department)
A Novel Algorithm for Detection of Precipitation in Tropical Regions Using PMW Radiometers	Giulia Panegrossi (Institute of Atmospheric Sciences and Climate/CNR)
Hydrological Ensemble Prediction Experiment (HEPEX) - an overview	Florian Pappenberger (ECMWF)
CDRD and PNPR passive microwave precipitation retrieval algorithms: extension to the MSG full disk area	G. Panegrossi, D. Casella, S. Dietrich, L. Milani, M. Petracca, P. Sanò and A. Mugnai (Institute of Atmospheric Sciences and Climate/CNR)
Passive Microwave Neural Network Precipitation Retrieval (PNPR) Algorithm for cross-track scanning radiometers	P. Sanò, D. Casella, S. Dietrich, G. Panegrossi, M. Petracca, A. Mugnai (Institute of Atmospheric Sciences and Climate/CNR)
Hydro-validation of the H13 - Snow Water Equivalent Product in Northern Finland – Ounasjoki Case Study (2012 - 2014)	Matias Takala (Finnish Meteorological Institute)
Changes of drought characteristics in small Czech and Slovakian catchments projected by the CMIP5 GCM ensemble	Adam Vizina (T. G. Masaryk Water Research Institute)
Operational data assimilation for improving hydrologic, hydrodynamic, and water quality forecasting using open tools Conditional Weather Resampling Method for Ensemble Streamflow Forecasting	Albrecht Weerts (Deltares)
ZAMG activities concerning ASCAT soil moisture	Barbara Zeiner (ZAMG)
Hydrological Impact Validation of H-SAF products in Slovakia	Marcel Zvolenský (SHMU)