





Implemented by



EFAS Post-processed Forecast

What?

The EFAS post-processed hydrograph are probabilistic 15day forecasts that are conditioned on recent river discharge observations, simulations, and forecasts. The postprocessed hydrographs are available at 1580 stations where near real-time and sufficient historic observations are available.



Probability of exceeding

probability of exceeding the mean annual maximum discharge (MHQ; red horizontal line) and mean (MQ: dotted horizontal line) over the 15day forecast horizon.

Near real-time observations.

Probability of exceeding providers' discharge thresholds. Forecast probability of exceeding up to four thresholds from EFAS data providers (TL1(D) to TL4(D); pink horizontal lines) over the 15-day forecast horizon.

Probabilistic forecast. Dark shades of blue closest to the forecast median

Why?

There are errors and uncertainties in all flood forecasts due to the meteorological forcings, initial conditions, and the hydrological model. The EFAS Post-processed Forecasts aim to correct the errors and quantify the uncertainty to better predict the river discharge.

EFAS Post-processed Forecasts The act as a complementary product to the EFAS ensemble forecasts which predict the severity of flood events.



How?

The post-processed forecasts are created by combining all four flavours of EFAS streamflow forecasts with recent observations.

Twice a year an offline calibration is performed to estimate:

- The climatological distributions of the observations and simulation.
- The relationship between the • observations and the simulation



processed Hydrograph.

What's new?

- Post-processed related information is available in the new post-processing tab.
- Two new tables provide information about the thresholds and the calibration results.

EFAS Post-processing:	Station	calibration	information 🔨	

Calibration period	Max. observation (m3s-1)	Min. observation (m3s-1)	Timestep
2003-03-19 to 2021-07-13	1828.8	33.7	6



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