



GLOBAL FLOOD AWARENESS SYSTEM (GLOFAS)



The Copernicus Emergency Management Service (CEMS) supports all actors involved in the management of natural or manmade disasters by providing geospatial data and images for informed decision making. CEMS constantly monitors Europe and the globe for signals of an impending disaster or evidence of one happening in real time.

The service is an operational, freely accessible web service for global hydrological forecasting and monitoring. It provides probabilistic hydrological predictions and overviews across the world on time scales from days to few months, independent of administrative and political boundaries. It is therefore especially beneficial for the flood risk management of large trans-national river basins, as well as for international and national water management or aid-related organisations. Water resources manager can also benefit from GloFAS seasonal hydrological outlook (up to 4 months ahead) for decision-making. In addition to forecasting where and when large riverine floods are likely to occur, the potential socio-economic impacts are also estimated and mapped within GloFAS.

AVAILABLE
24/7/365

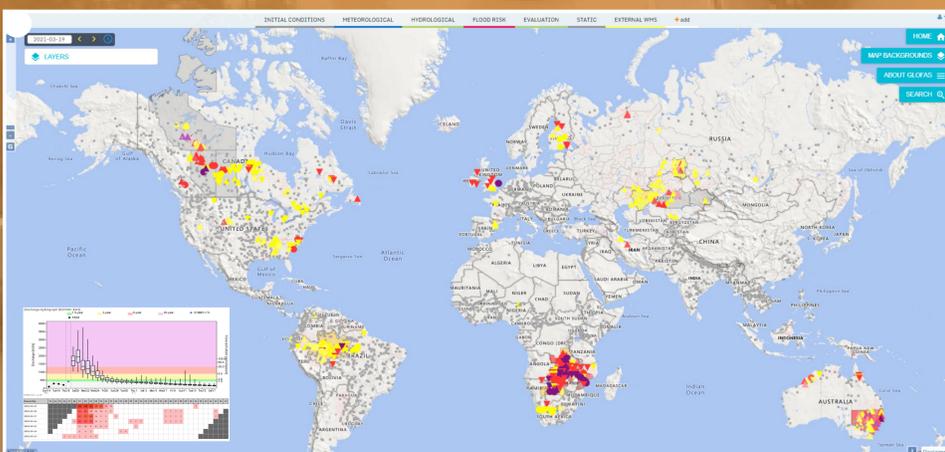
30-DAY
FORECAST
LEAD TIME

4-MONTH
SEASONAL
OUTLOOK

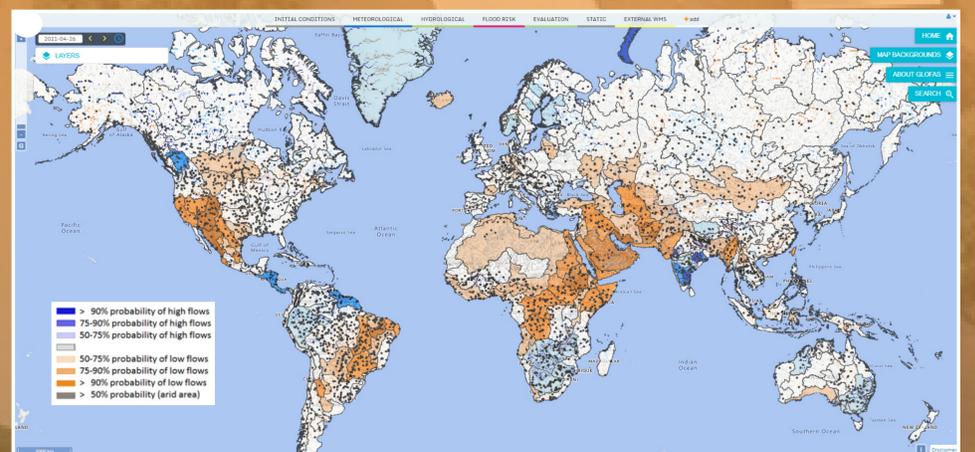
MORE THAN
6000
REPORTING
POINTS WITH
DETAILED INFO

1226
RIVER CATCHMENTS
AREA SIZE (51 MIO.
KM²) CALIBRATED

AROUND 7000
REGISTERED
USERS



GloFAS medium-range flood forecasts provide a global overview of upcoming flood events for the next 30 days, including possible flood impacts. The forecasts are updated every day and are used by national and international institutions for flood risk management around the world. When severe flood impacts are expected, the acquisition of satellite images, through CEMS on-demand mapping, is pre-tasks to enable faster satellite-based flood mapping.



The GloFAS seasonal hydrological outlook summarises globally, for each river region, the hydrological situation over the next 4 months and predicts changes to the long-term river flows. The outlook is issued every month and can be used to support different national and global water-related applications such as reservoir management, navigation, irrigation or drought risk management.



Access the Map Viewer



Also available for Europe as EFAS



<https://emergency.copernicus.eu/>
<https://www.globalfloods.eu/>



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Space

