

# JRC Dataset

## ERICHA flash flood indicator

### Description:

EFAS holds two flash flood indicators: ERIC and ERICHA. The ERICHA flash flood indicator shows for the whole of Europe an estimation on flash flood hazard for the next 5 hours based on precipitation radar nowcasting. Short description on the methodology: Flash flood hazard level estimated from the European OPERA reflectivity composite. Estimation of the hazard level is based on the rainfall aggregated on the drainage network (defined with a resolution of 1km), which is used as the variable that characterizes the flash flood potential. The thresholds used for the different hazard levels depend on the regional climatic characteristics and the size of the catchment defined upstream of each point of the drainage network. The flash flood hazard level is updated every 15 mins in line with the rainfall accumulation (1h) layer. This product has been developed in the ERICHA project. For more information on: - OPERA: <http://eumetnet.eu/activities/observations-programme/current-activities/opera/> - ERICHA project: <http://ericha.eu/> This information is part of the operational suit of EFAS ([www.efas.eu](http://www.efas.eu)) and intends to provide EFAS partners with in-depth information at relevant key locations along affected European rivers to facilitate decision making.

### How to cite:

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### Keywords:

Copernicus, Copernicus Emergency Management Service, EFAS, Human health and safety, Hydrography, flash flood, flood forecast, heavy precipitation, hydrological extremes, pan European

### Related resources:

#### Data access

##### EFAS WMS-T (Web Map Service Time)

EFAS partners have the possibility to access and download selected products from the operational EFAS by using this password-protected OGC service.

[http://ies-ows.jrc.ec.europa.eu/efas\\_jrc\\_ows/](http://ies-ows.jrc.ec.europa.eu/efas_jrc_ows/)

##### ERICHA flash flood hazard

This data set can be viewed by EFAS partners online under [www.efas.eu](http://www.efas.eu) by activating the layer "Latest 24-hour precip."

<http://www.efas.eu>

##### EFAS Sensor Observation Service (SOS)

EFAS partners have the possibility to access and download selected products from the operational EFAS by using this password-protected OGC service.

[http://incubator.ecmwf.int/52n-sos-webapp\\_efas/sos/kvp?service=SOS&request;=GetCapabilities](http://incubator.ecmwf.int/52n-sos-webapp_efas/sos/kvp?service=SOS&request;=GetCapabilities)

### Additional information:

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EuroVoc concept(s): hydrology

Identifier: <http://data.europa.eu/89h/b4a32b58-b64a-4eb5-b23f-331521a448cd>

### Geographic information:

Lineage: No additional information

Geographic bounding box: 67° N, 41° E, 27° S, -11.5° W

Coordinate Reference System: ETRS89 / LAEA Europe