

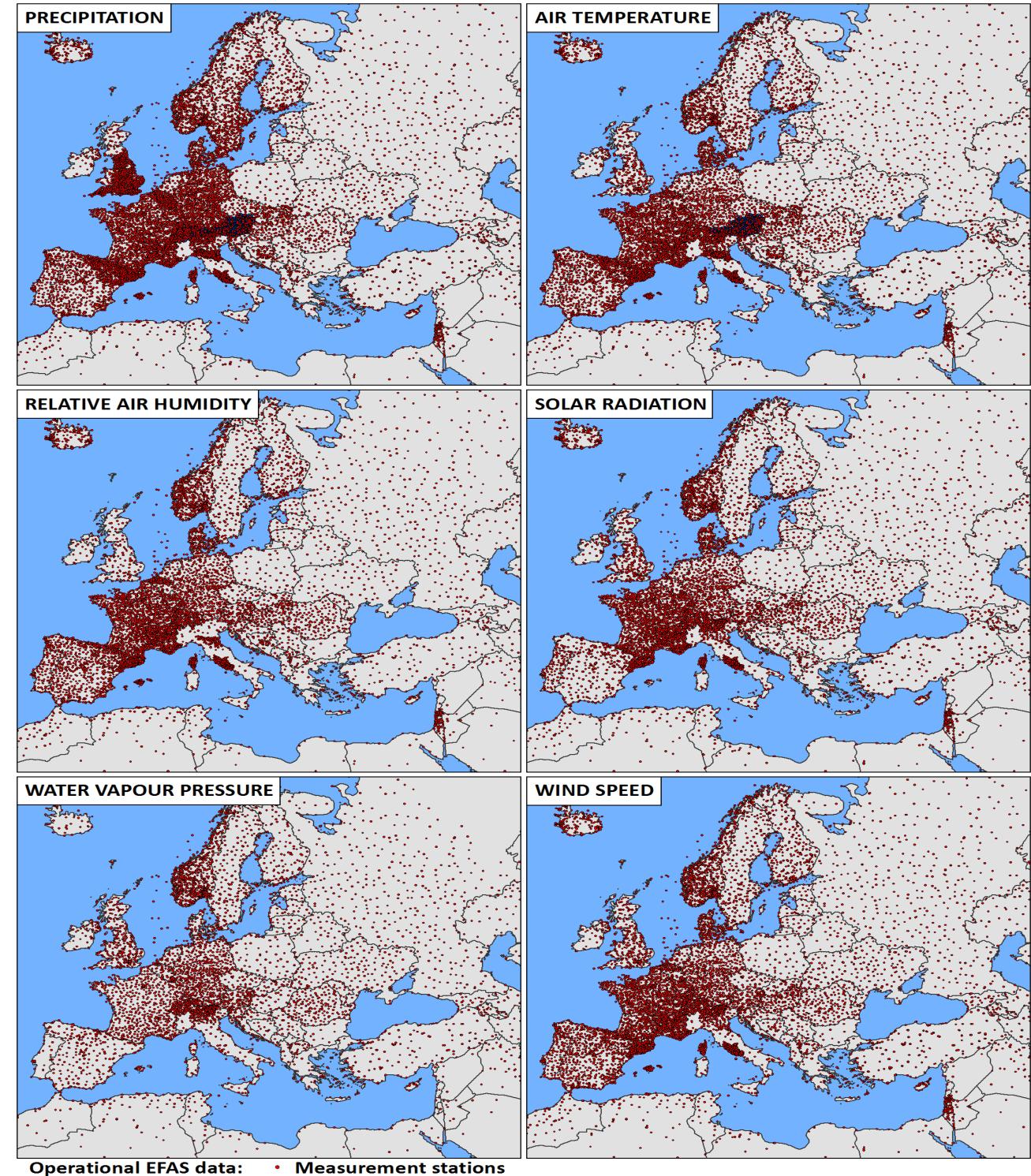




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## How to Share Your Data with MDCC



The Meteorological Data Collection Center (MDCC) is in charge to collect, control, store and disseminate atmospheric observations to support the European Commission's Copernicus Emergency Management Service (CEMS).

The MDCC is always striving to improve the input for the EFAS hydrological model by using a data base as broad as possible.

Virtual stations

Figure: Spatial distribution of active stations providing data for the parameter noted above the

With your contribution, EFAS can improve the forecasts for your region and therefore helps to support national and regional authorities responsible for flood risk management in arranging preparatory measures before an event strikes.

Please contact <u>efas.mdcc@dwd.de</u> if you have any data to share.

### What parameters we are looking for

- Temperature
- Minimum temperature
- Maximum temperature
- Dew point temperature
- Precipitation
- Wind speed
- Wind direction

map. Upper row: precipitation (left) and air temperature (right). Middle row: relative air humidity (left) and solar radiation (right). Lower row: water vapour pressure (left) and wind speed (right).

#### What we need to know

Regarding your organization:

- Is your organization partner of EUMETNET? (If not, special license has to be set up.)
- Who is the contact person?

#### Regarding your data:

- What is the format of your data? (preferably .zrxp)
- What is the timezone of your data? UTC, CET, is there a clock change?
- Is the timestamp of the total (value) at the beginning or the end of the interval?
- Is your data instantaneous or means?
- What does your data validation look like? Are there

- Cloud cover
- Solar radiation
- Sunshine duration
- Relative air humidity
- Evaporation

In near realtime and also historic, back to 1970. In 6-hour resolution or higher.

# What are the possibilities for data exchange

- 1. MDCC pull the data from a (s)ftp-server operated by your service.
- 2. You push the data to a sftp-server operated by KISTERS AG.
- 3. You send the data as attachment via email to a specified email address.
- special quality codes? Are you providing corrected data?
- What is the metadata of your stations? (Station ID/Name, lat, lon, height, sensors, etc.)
- 4. MDCC pull data via webservices.



EFAS/GIoFAS/GFM are products and services of the Copernicus Emergency Management Service. The Joint Research Centre of the European Commission is the entrusted entity responsible for CEMS EFAS, GIoFAS and GFM in terms of management, technical implementation and evolution. KISTERS AG is the designated contractor to implement the operational functionalities of the CEMS-MDCC.

