

# HazMap Operations Manual

The HazMap app supports the management of natural hazards and disaster events by providing its users data from complementing European and national open sources including that collected through crowdsourcing. The app aggregates actionable information and allows professional users (civil protection, water and environmental management, policy makers) but also citizens to effectively prevent and react against disasters.

The HazMap app integrates information from Copernicus EMS with data from complementing open sources and allows users to collect hazard related information through geo-tagged photos and annotations directly in the field.

## Features:

- View Copernicus EMS hazard events \*
- Upload pictures for an event and add a comment
- Receive additional information for evaluation:
  - > flood risk, gauge stations, landcover, critical infrastructure, satellite images
- Usable on any device as responsive single page app

\* <https://emergency.copernicus.eu/mapping/list-of-activations-rapid>

## Getting Started:

To get started start please open the app in your browser using the following url:

**<https://hazmap.terranea.de>**

We've put together a couple of tips to get you better acquainted and up and running with HazMap.

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## 1. The HazMap interface

**switch map layers**

**upload event note**

**login to upload data**

**event locations**

**map view**

**list of all events for germany**

**HazMap**

**Recent Events**

- Forest fire in Mecklenburg-Western P...  
Germany Wildfire 30. Juni 2019 EMSR366
- Forest Fire in Brandenburg, Germany  
Germany Wildfire 3. Juni 2019 EMSR363
- Wildfire in Lower Saxony, Germany  
Germany Wildfire 22. Apr. 2019 EMSR353
- Landslides in Saxony, Germany  
Germany Mass movement 9. Apr. 2019 EMSR361
- Fire in Brandenburg, Germany  
Germany Wildfire 21. Sept. 2018 EMSR315
- Forest Fire in Jüterborg, Germany  
Germany Wildfire 23. Aug. 2018 EMSR307
- Forest fire in Saxony-Anhalt, Germany  
Germany Wildfire 4. Juli 2018 EMSR295
- Flood in Saxony  
Germany Flood 24. Mai 2018 EMSR287

**mapbox**

## 2. Get information about a disaster event

**to get information about a specific event, click on one of the list elements**

**affected area**

**event notes with pictures and comments**

**HazMap**

**Recent Events**

- Forest fire in Mecklenburg-Western P...  
Germany Wildfire 30. Juni 2019 EMSR366
- Forest Fire in Brandenburg, Germany  
Germany Wildfire 3. Juni 2019 EMSR363
- Wildfire in Lower Saxony, Germany  
Germany Wildfire 22. Apr. 2019 EMSR353
- Landslides in Saxony, Germany  
Germany Mass movement 9. Apr. 2019 EMSR361
- Fire in Brandenburg, Germany  
Germany Wildfire 21. Sept. 2018 EMSR315
- Forest Fire in Jüterborg, Germany  
Germany Wildfire 23. Aug. 2018 EMSR307

**HazMap**

**Forest fire in Mecklenburg-Western Pomerania, Germany**

Selected Event EMSR366 of type Wildfire  
Event Time 30. Jun 2019, 20:30 Activation Time 1. July 2019, 19:14

**Event Notes**

Title: undraw\_adventure\_4hum  
Comment:

**affected area**

**event notes with pictures and comments**

Additional information will be displayed, as well as all notes and images created for the event. The map will zoom in on the selected event.

### 3. Check out the available map layers

Recent Events

- Forest fire in Mecklenburg-Western P...  
Germany Wildfire 30. Juni 2019
- Forest Fire in Brandenburg, Germany  
Germany Wildfire 3. Juni 2019
- Wildfire in Lower Saxony, Germany  
Germany Wildfire 22. Apr. 2019
- Landslides in Saxony, Germany  
Germany Mass movement 9. Apr. 2019
- Fire in Brandenburg, Germany  
Germany Wildfire 21. Sept. 2018
- Forest Fire in Jüterborg, Germany  
Germany Wildfire 23. Aug. 2018

click the green button to see available map layers

the map will be changed accordingly

hover or click on map elements to get more information

### 4. Sign In to upload data

Recent Events

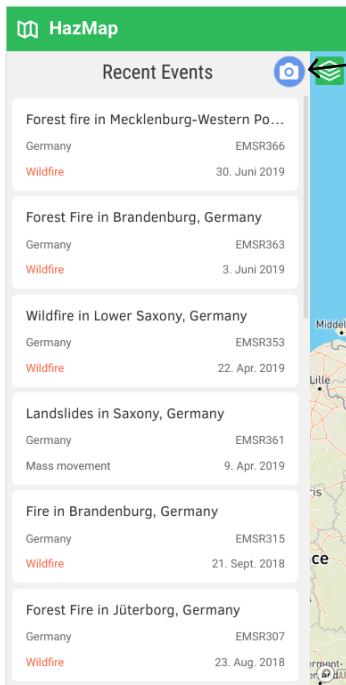
Sign In

click the sign in button to login

provide your credentials

after a successful login the button will change to Sign Out

## 5. Upload an event note and add a picture and comment



The screenshot shows the HazMap application interface. At the top left is a green header bar with the text "HazMap". Below it is a table titled "Recent Events" listing five incidents:

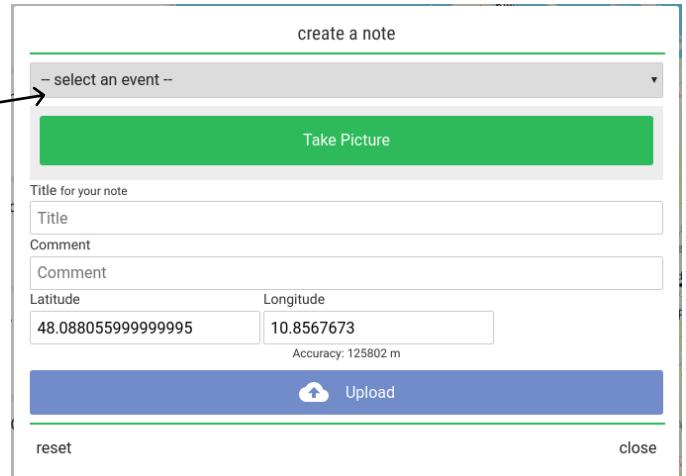
- Forest fire in Mecklenburg-Western Pomerania, Germany (Wildfire) - EMSR366, 30. Juni 2019
- Forest Fire in Brandenburg, Germany (Wildfire) - EMSR363, 3. Juni 2019
- Wildfire in Lower Saxony, Germany (Wildfire) - EMSR353, 22. Apr. 2019
- Landslides in Saxony, Germany (Mass movement) - EMSR361, 9. Apr. 2019
- Fire in Brandenburg, Germany (Wildfire) - EMSR315, 21. Sept. 2018

To the right of the table is a small map of Germany with event locations marked.

click the blue button to create a new event note and to upload a picture

in order to upload a picture, an event must first be selected

give all necessary information to upload a note. a comment is optional.



The dialog box has a title "create a note" and a sub-section "select an event". It contains fields for "Title" and "Comment". Below these are "Latitude" and "Longitude" inputs, both set to 48.08805599999999 and 10.8567673 respectively, with an accuracy of 125802 m. At the bottom are "reset" and "close" buttons, and a large blue "Upload" button with a cloud icon.