HYDROMET PORTAL SAINT-LUCIA

Public portal introduction and management

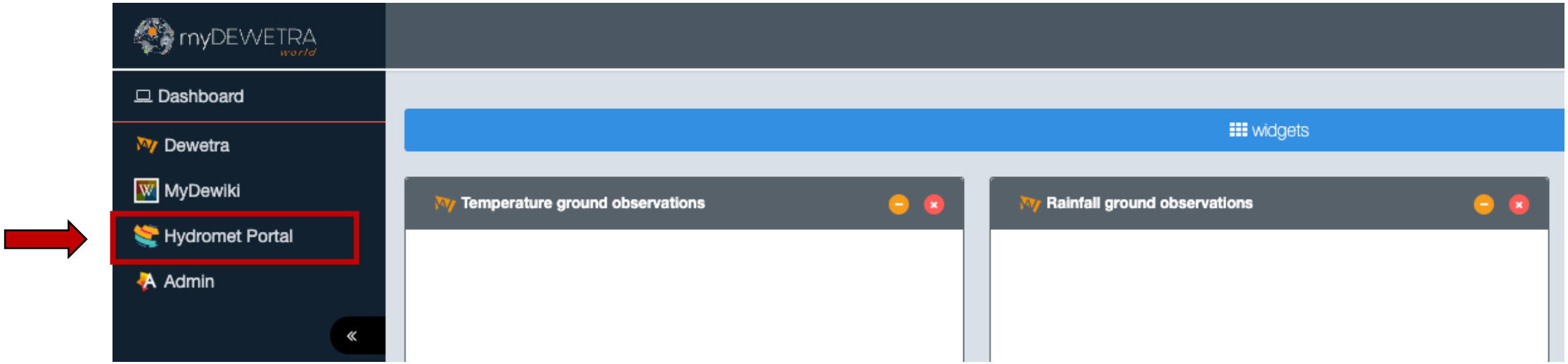
Wednesday June 28th

www.cimafoundation.org

To provide access to current **hydrometeorological data and warnings** to the general public, a dedicated portal has been implemented.

To avoid high-demand on the operational servers, static figures and tables are generated and shared every 30 minutes.

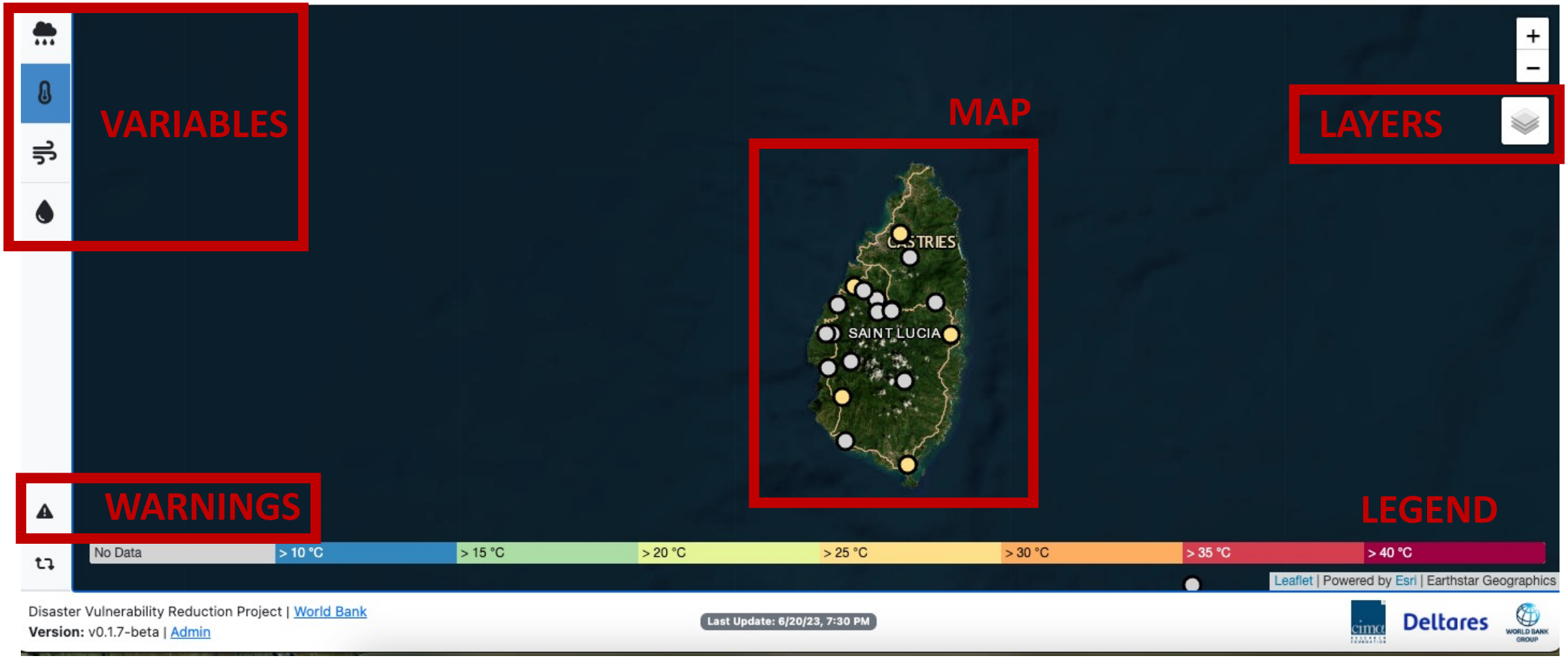
- From the myDEWETRA – frontend – dashboard (access required)



- Directly from the web at:

https://stlucia.mydewetra.cimafoundation.org/hydromet_portal/#/

PUBLIC PORTAL – OVERVIEW



By selecting a variable on the left side, map and legend will automatically update.

RAINFALL

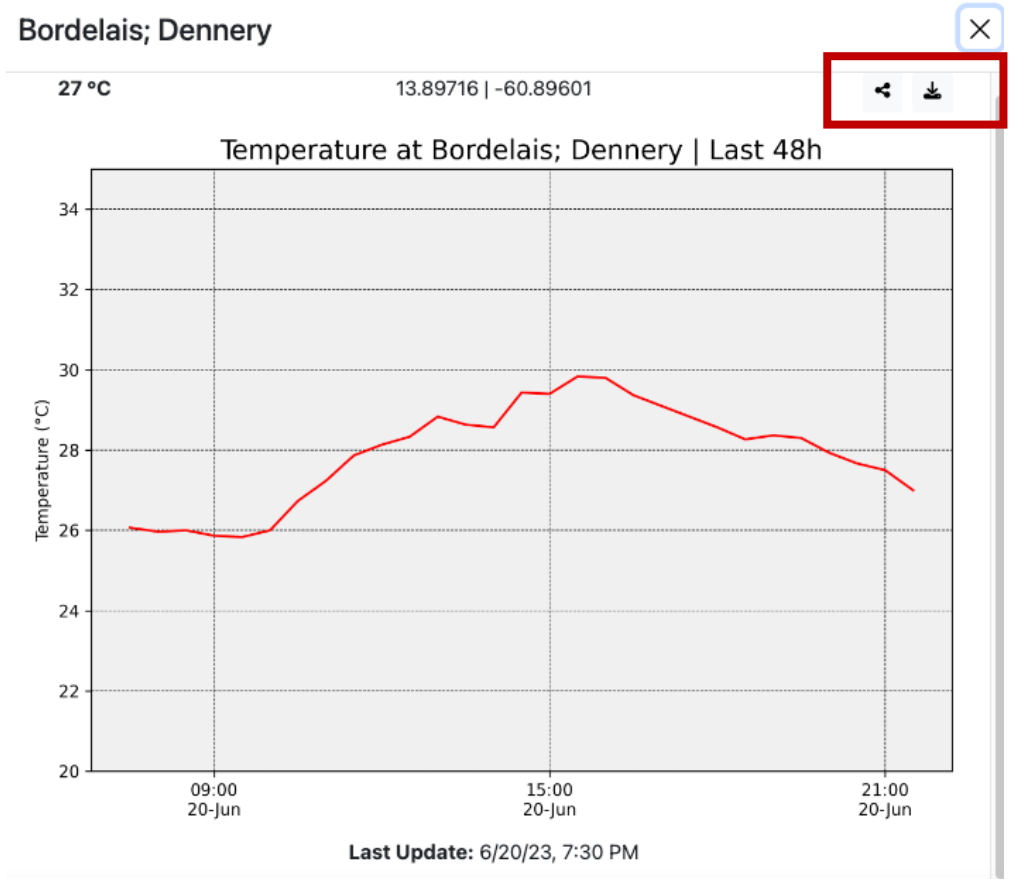
TEMPERATURE

WIND

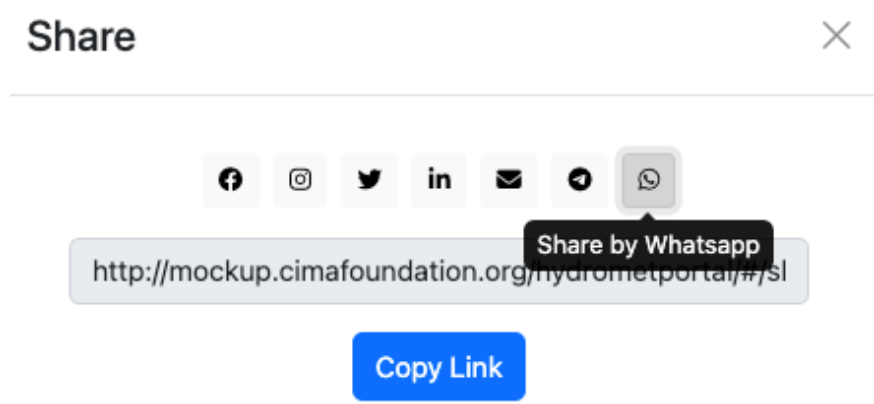
WATER LEVELS

Record points are coloured according the the last available level, also shown by mouse-over.

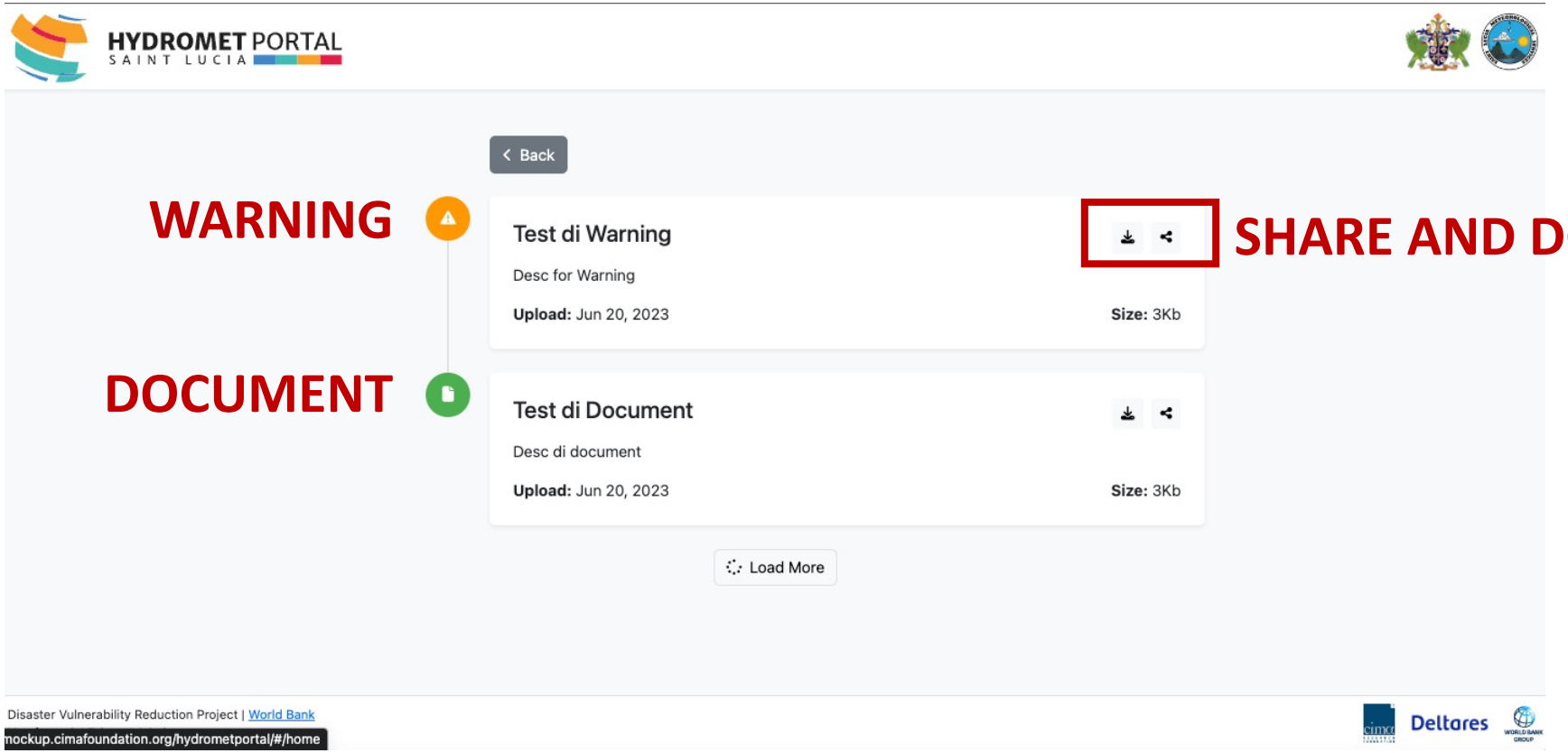
By clicking on a specific record point, the plot showing the last 48h observations appears.



Plots can be shared on multiple channels and data can be downloaded as csv table.



The public portal has a dedicated page to share latest warnings and documents, called “feed”.



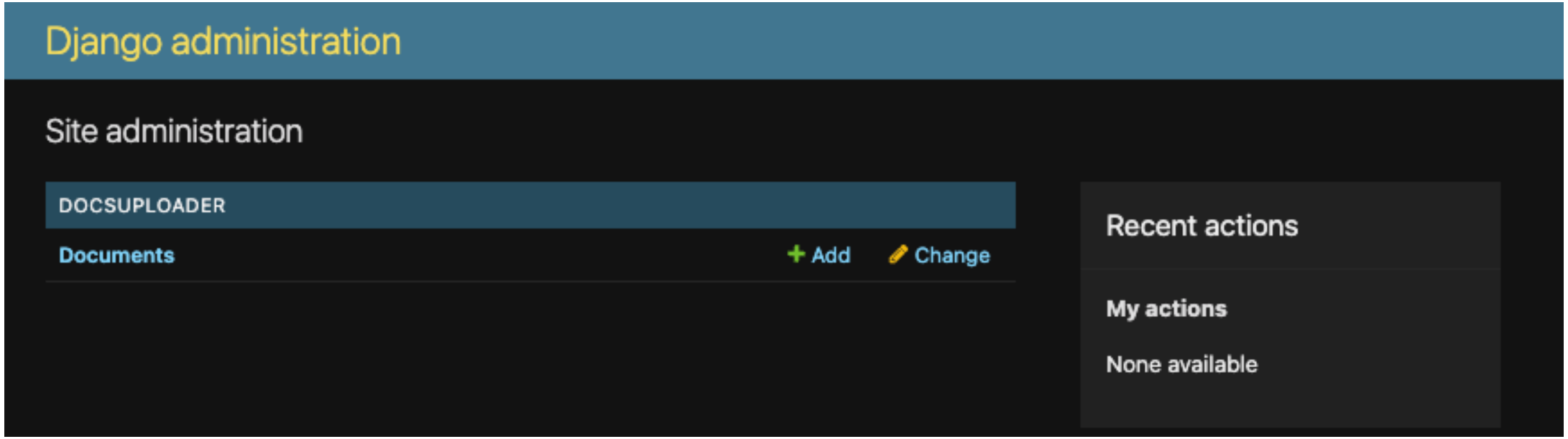
Administrators of the Hydromet portal can manage the public portal.

Specifically by:

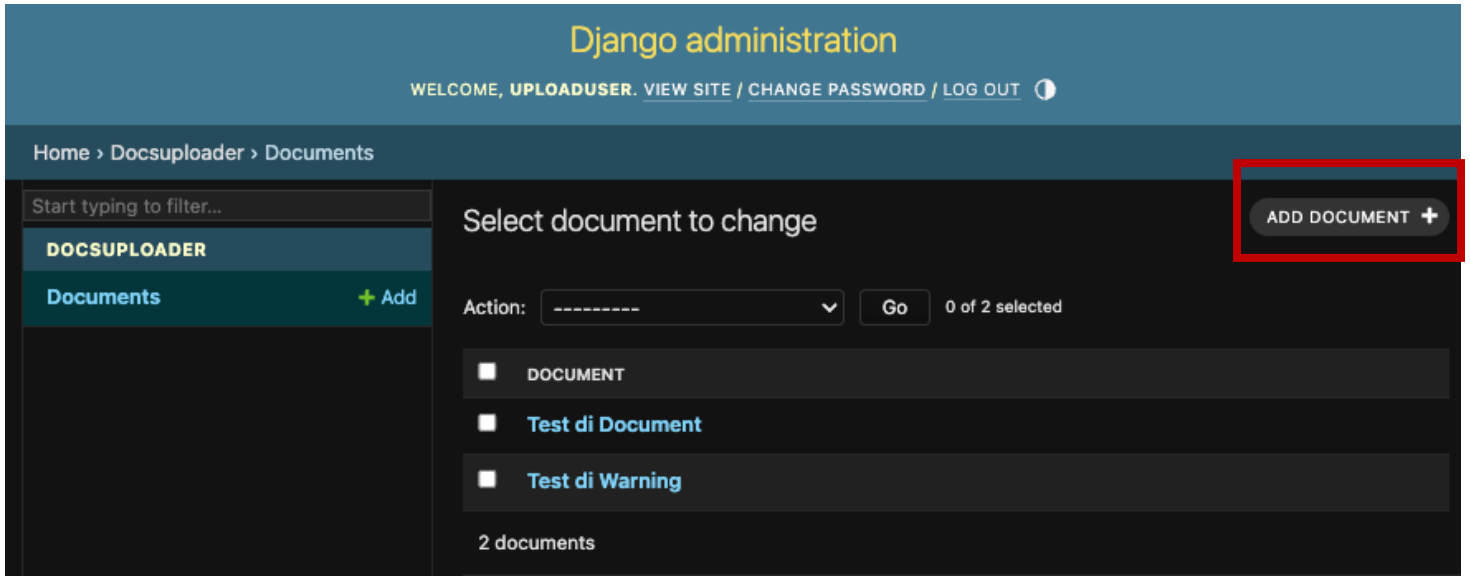
- Uploading new documents/warning
- Changing the configuration of the data plot script

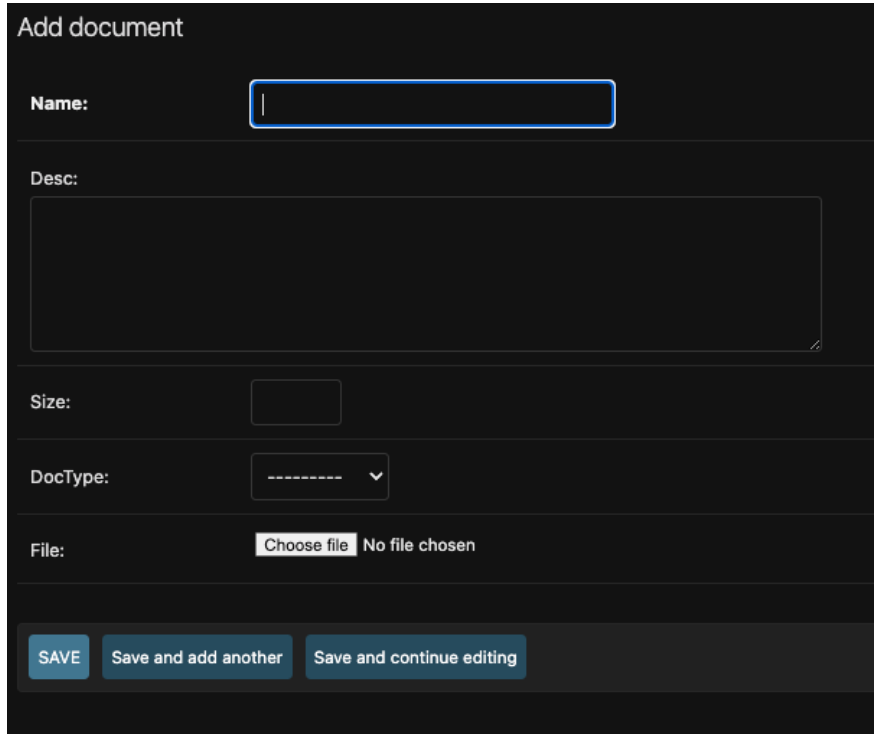
Documents to be visualised in the feed can be added, edited, deleted using a dedicated Django portal, available at:

https://stlucia.mydewetra.cimafoundation.org/hydromet_api/admin/



Selecting the “Documents” tool, user can add a new document





Document can be added from the local computer. Pdf, Word, PNG and JPEG can be uploaded.

File type can be ”warning” or “document”.

Basic configuration of the script generating the plots and tables can be changed, working on the dedicated .json file:

config_lca.json

```
{
  "sensor_type": ["PLUVIOMETRO", "IDROMETRO", "ANEMOMETRO", "TERMOMETRO"],
  "time_period": 48,
  "time_frequency": 30,
  "time_frequency_prec": 60,
  "output_folder": "output",
  "save_csv": "True",
  "time_zone": "America/St_Lucia"
}
```

Specifically, the desired time period can be defined as well as the aggregation frequency for the different variables (currently, 60 minutes for rainfall, 30 minutes for the others).