



Section : 3. Flood

Module : 3.2. Flood User Interface



The InaSAFE Flood Realtime User Interface

“In this module we will explore the user interface of flood realtime and learn how to find relevant reports when you need them.”

InaSAFE Flood Realtime provides a quick and easy to use landing page that lets you browse historical flood reports generated by the platform. The map is interactive – you can scroll to zoom in and out (or shift-drag a box to zoom to a specific area), and click on flooded RW's to view more information. New events are automatically posted to the page and will be shown whenever you refresh the page.

The screenshot shows the InaSAFE Flood Realtime web application. The interface includes a menu bar at the top with links for Earthquake, Flood, Volcanic Ash, API Developer, Indicator, and About. Below the menu bar is a description area explaining the data source (PetaBencana.id) and the report generation process. The main map area displays flood events with a popup showing details for a specific event (Date Time: 23 days ago, RW Name: RW 17, Kelurahan Name: PENJAJARAN, Hazard Class: 2). Below the map is a filter area with date range filters (Start Date, End Date) and affected RW count filters (Minimum, Maximum). At the bottom is a flood history table with columns for Event ID, Time, Flooded RWs, and Action. The table contains three rows of data for events from February 17, 2018. Labels on the right side of the table point to the table headings (click to sort), Zoom To Event, Event Report Download, and Event Data Download buttons.

Menu Bar

Description Area

Map Area

Flood popup

Filter Area

Flood History Table

Table headings (click to sort)

Zoom To Event

Event Report Download

Event Data Download

You try:

Goal: To explore the capabilities and features of Flood Realtime.

Go to the flood realtime website and use the tools and options you find there to discover the answers to the questions in the table.

Check your results:

Swap your list with a neighbouring group and see if they had the same results as you.

| Name | Expectation |
|---|-------------|
| How many flooded RW's were recorded on March 17 2017? | |
| What is the greatest number of flooded RW's recorded in 2017? | |
| What is the greatest number of floods ever recorded on the platform? | |
| Click on a flood area. Use the table in the next section to see what depth the hazard class represents. | |



More about

The flood history on InaSAFE Flood Realtime can be filtered by date range and number of affected RWs. You can clear the filter by using the **Clear Filters** button. When you change the filter criteria, press the **Apply Filters** button and the table and map will update to display the results of your filter.

If you **click** on any flooded area in the map, a popup will display the RW Name, Kelurahan Name and Hazard Class. You can dismiss the popup again by clicking on any area of the map that does not have a flooded polygon in it.

You can use the **table headings** to sort the table contents. For example, clicking the 'RW Flooded' heading will alternately a descending and then ascending sort of the summary table based on the number of RWs flooded.

You can use the **Zoom To Event** icon in each row to view that event on the map. You can download reports and map data for each event (which we will cover in separate modules).

The table only lists entries for 6 hourly windows where there were one or more flooded RW boundaries, so it is expected that there may be periods of inactivity during the dry season.

When there are a large number of filtered (or unfiltered) records, the summary table will **paginate**. You can adjust how many records are shown on each page and use the pagination buttons underneath the table to jump from one page of results to the next.



Check your knowledge:

- To see flood history for a city other than Jakarta, simply zoom to that city in the map and you will find the history data:
 - true
 - false
- Mark all the correct statements:
 - InaSAFE Flood Realtime allows you to filter reports by date range
 - InaSAFE Flood Realtime allows you to filter reports by event size range
 - InaSAFE Flood Realtime is open source - any organisation with skills or finances can contribute to its development



Further reading:

- See the PetaBencana web site for more details on the sources of the hazard data: <https://petabencana.id/map/jakarta>
- To use the flood realtime platform: <http://realtime.inasafe.org/realtime/flood/>