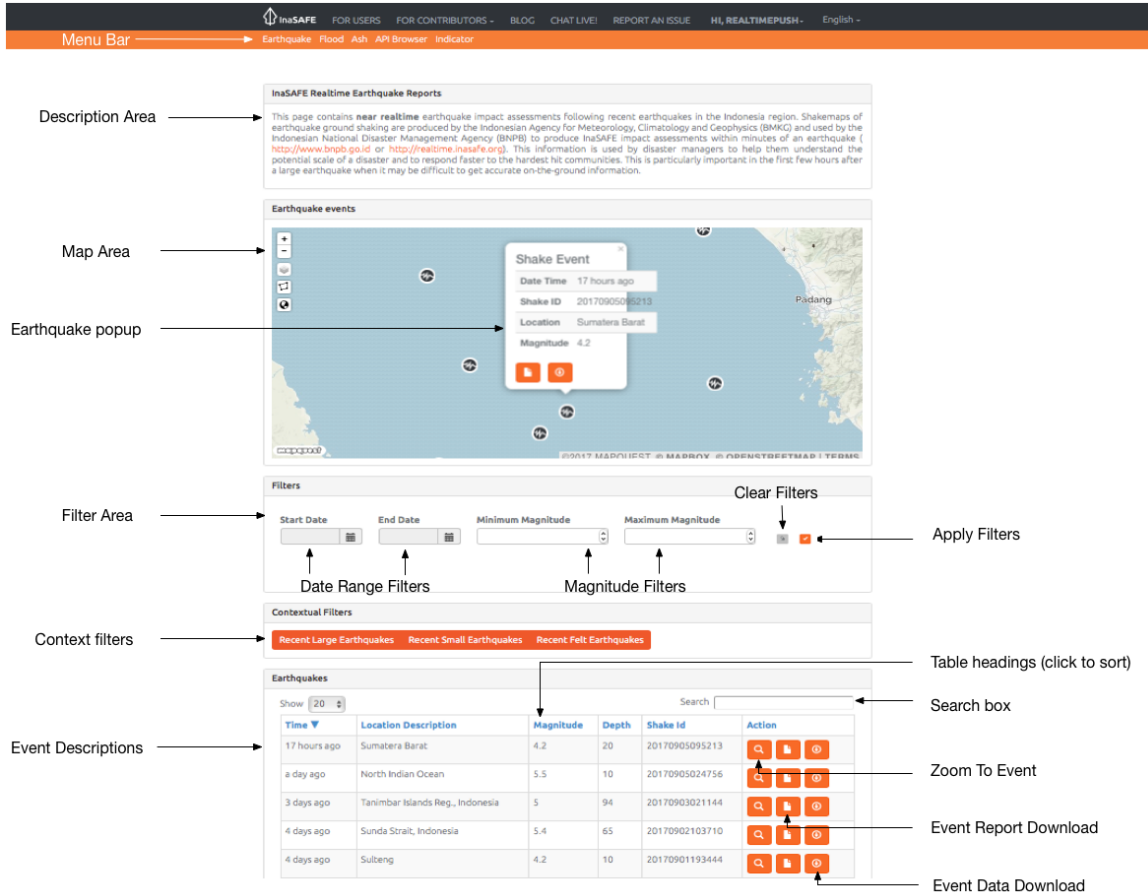




The InaSAFE Earthquake Realtime User Interface

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



The screenshot shows the InaSAFE Realtime Earthquake Reports interface. Annotations point to various components:

- Menu Bar:** Located at the top, containing links like 'FOR USERS', 'FOR CONTRIBUTORS', 'BLOG', 'CHAT LIVE', 'REPORT AN ISSUE', 'HI, REALTIMEPUSH', and 'English'.
- Description Area:** A text block explaining the purpose of the page and the data source (Indonesian National Disaster Management Agency (BNPB)).
- Map Area:** A map showing earthquake events in the Indonesia region. A 'Shake Event' popup is visible, showing details like 'Date Time: 17 hours ago', 'Shake ID: 20170905095213', 'Location: Sumatera Barat', and 'Magnitude: 4.2'.
- Earthquake popup:** A detailed view of a specific earthquake event, including its location and magnitude.
- Filter Area:** A section for filtering earthquake reports. It includes 'Start Date', 'End Date', 'Minimum Magnitude', and 'Maximum Magnitude' filters. There are also 'Date Range Filters' and 'Magnitude Filters' buttons.
- Context filters:** A section for contextual filters, including 'Recent Large Earthquakes', 'Recent Small Earthquakes', and 'Recent Felt Earthquakes'.
- Table headings (click to sort):** The table lists earthquake events with columns for 'Time', 'Location Description', 'Magnitude', 'Depth', 'Shake id', and 'Action'.
- Search box:** A search input field located above the table.
- Event Descriptions:** The table rows provide detailed information about each earthquake event, including the time since it occurred, the location description, magnitude, depth, and shake ID.
- Zoom To Event:** A button in the 'Action' column of the table that allows users to zoom in on a specific event on the map.
- Event Report Download:** A button in the 'Action' column of the table that allows users to download the report for a specific event.
- Event Data Download:** A button in the 'Action' column of the table that allows users to download the raw data for a specific event.

Earthquake realtime provides a quick and easy to use landing page that lets you browse historical 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 event icons to view more information. New events are automatically posted to the page and will be shown whenever you refresh the page.

You try:

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

Go to the earthquake realtime website and use the tools and options you find there to discover the answers to the table on the right of this page.

Check your results:

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

Name	Answer
What is the location description and magnitude of the largest earthquake recorded on the platform?	
How many earthquakes are there with a magnitude of ≥ 5 ?	
Find the report for event ID 20161207050336. What was significant about that event?	



More about the Earthquake Realtime website

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

If you **click** on any event in the map, a popup will display the elapsed time, shake ID, location and magnitude. You can dismiss the popup again by clicking on any area of the map does not have an earthquake marker.

You can use the **table headings** to sort the table contents. For example, clicking the 'Shake ID' heading will alternately a descending and then ascending sort of the summary table based on the shake ID (which essentially produces a date based sort).

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 each earthquake event recorded since InaSAFE Realtime Version 3 was introduced – we have not retrospectively processed shake events prior to that date.

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:.

1. **The realtime web site allows you to upload shake events after which it will generate new earthquake reports.**
 - a) true
 - b) false
2. **Mark all the correct statements:**
 - a) The realtime platform displays shake events from around the globe.
 - b) You can filter the shake events by depth.
 - c) When you zoom out on the map, the points will cluster. The number on the circle indicates the number of events in that region.



Further reading:

See the BMKG web site for more details on the sources of the hazard data: <http://www.bmkg.go.id>
See <http://realtime.inasafe.org/realtime/earthquake> to use the flood realtime platform.