



User guide for the “Seismic Activity Viewer”

Introduction

The Seismic Activity Viewer (SAV) from seismo@school is a platform that provides easy access to the recorded earthquake data from all RaspberryShake school seismometers in Switzerland. Designed specifically for educational purposes, this application offers students and teachers a user-friendly tool to explore and analyse earthquakes as well as seismic waves.

How to use the web tool

1. Open the web tool: Go to <http://sas-viewer.ethz.ch/>.

2. Select an earthquake: There are two ways to select an earthquake for analysis:

2.1. Using the info box: Select an earthquake by clicking on the *Go to Analysis* link next to the earthquake in the info box (1).

2.2. Using the parameter selection: Filter earthquakes by year, minimum magnitude (*Min. Mag*), and maximum magnitude (*Max. Mag*) (2). Click *Search* to display filtered results on the map and select an earthquake from the displayed markers (3).

3. Access the analysis page: After selecting an earthquake, click on the **Go to Analysis** link to view detailed earthquake data.

4. Explore the analysis page: View the seismogramme (4), detailed information in the info panel (5), and analyse the map showing red P-waves and blue S-waves (6) by starting the wave animation.

5. Start the wave animation: Use the buttons below the map (7) to start the seismic wave animation.

6. Switch between school stations: Select different RaspberryShake school stations using the dropdown menu (8).

