ALTER Web-GIS Software

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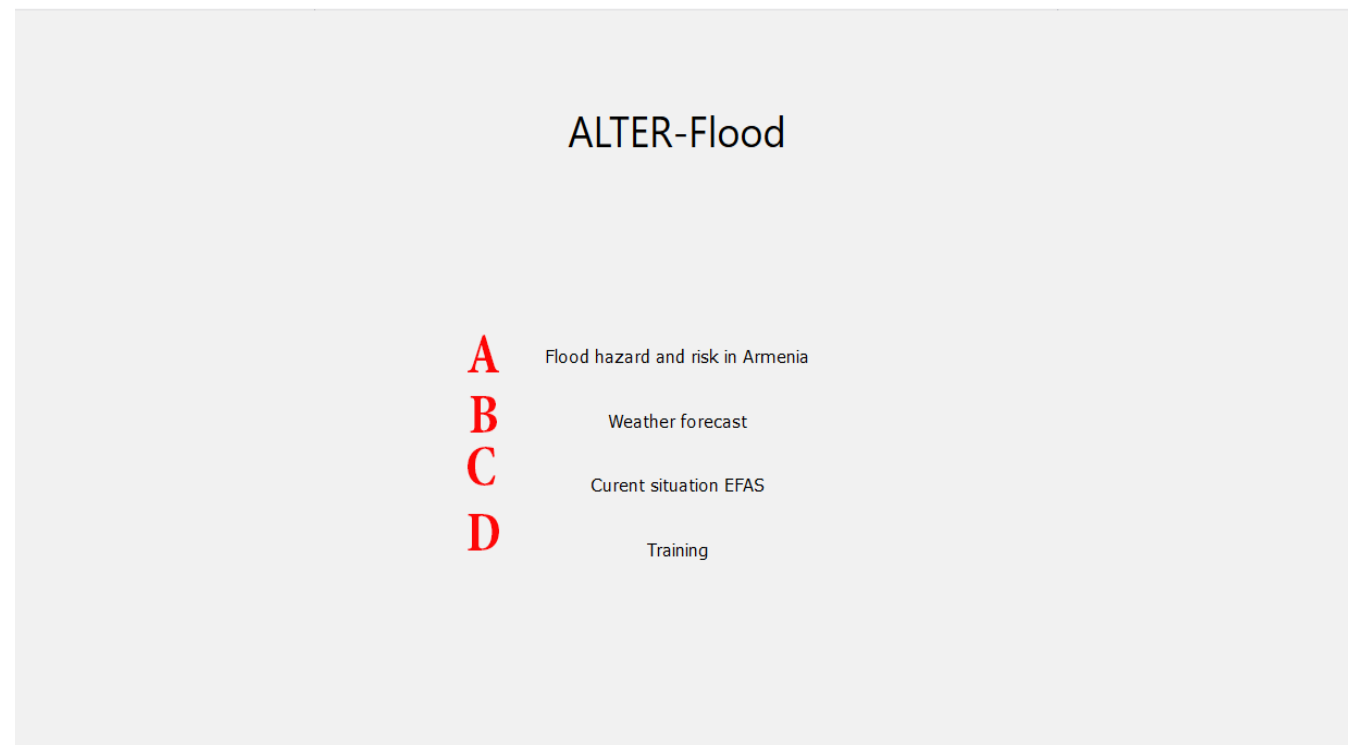10th December 2019

Web-GIS Tool

The application is based on The Alliance for Disaster Risk Reduction project outputs. Its main screen can be accessed via:

(access link: https://alter-flood-crm.aua.am/)

ALTER-Flood

A   Flood hazard and risk in Armenia

B   Weather forecast

C   Curent situation EFAS

D   Training

Web-GIS Visualization capabilities

The module capabilities:
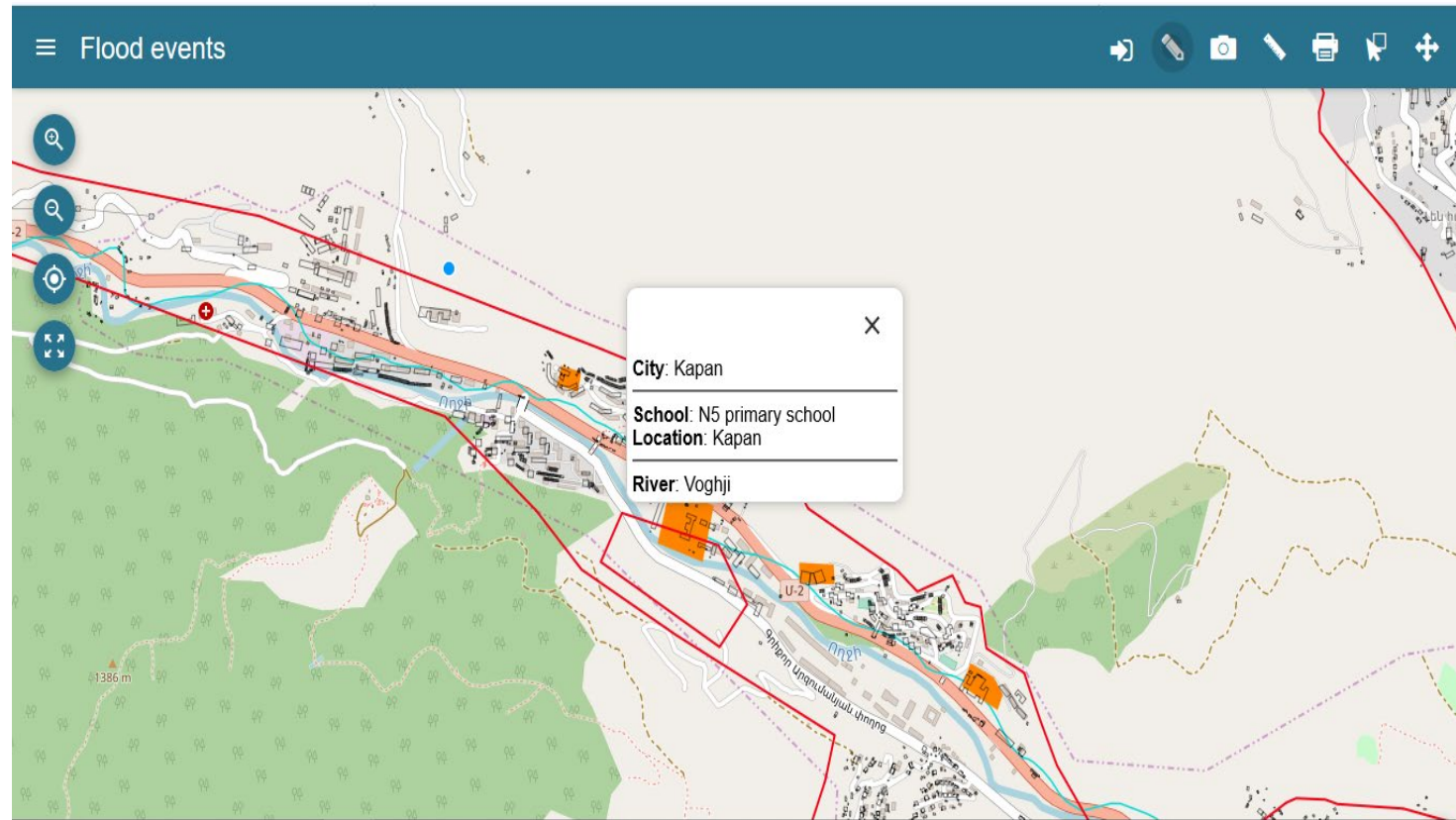
Geolocation;
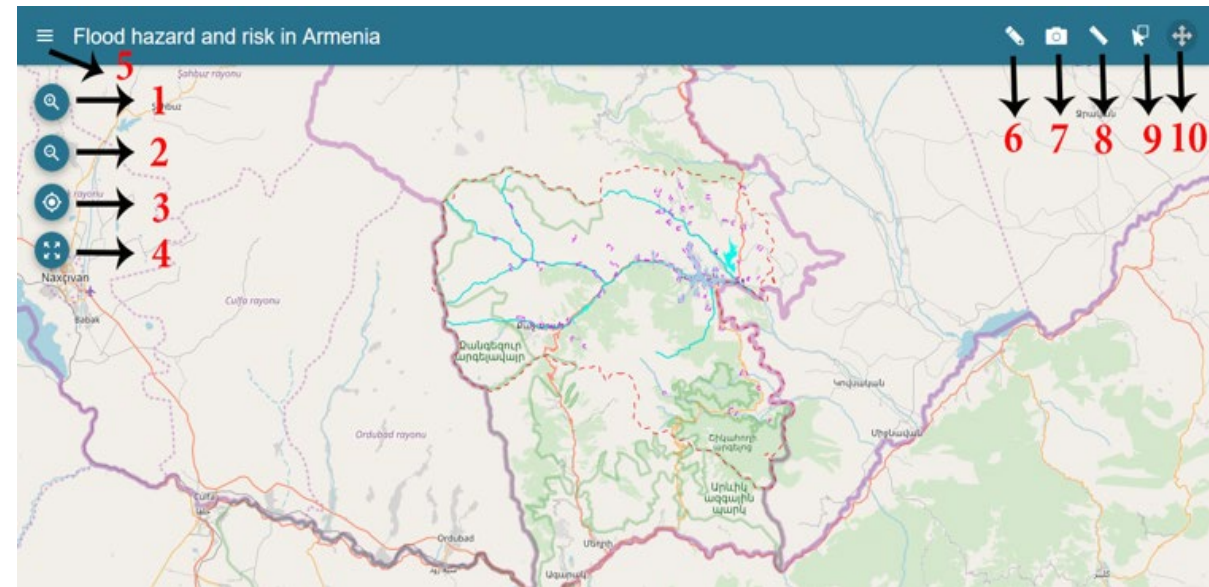
Draw feature;

Measure and distance feature;

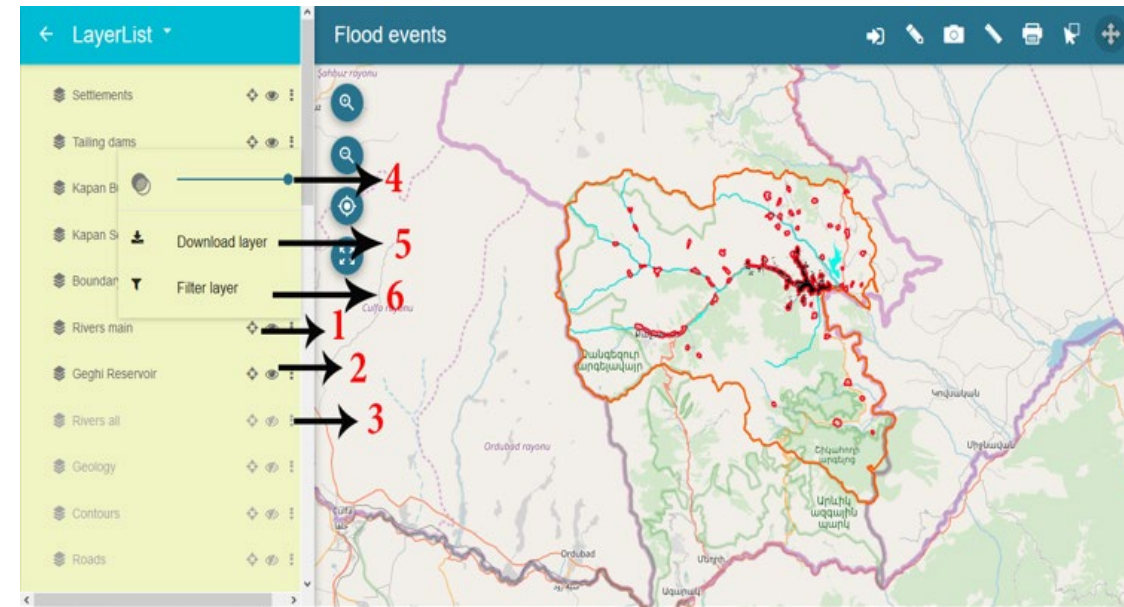**Pop up feature;**

Export feature.

Flood events main screen and controls

1. Zoom in control button
2. Zoom out control button
3. Geolocation (determines the current location of the user)
4. Initial extend (get the map to the default value state)
5. Layer list button (open and close layer list)
6. Draw tool (allow users to draw polygon or line on the map)
7. Export tool (allow users to export map data as an image file)
8. Measure tool (allow users to measure distance and area on the map
9. Selection tool (allow users to make rectangular selections over the map)
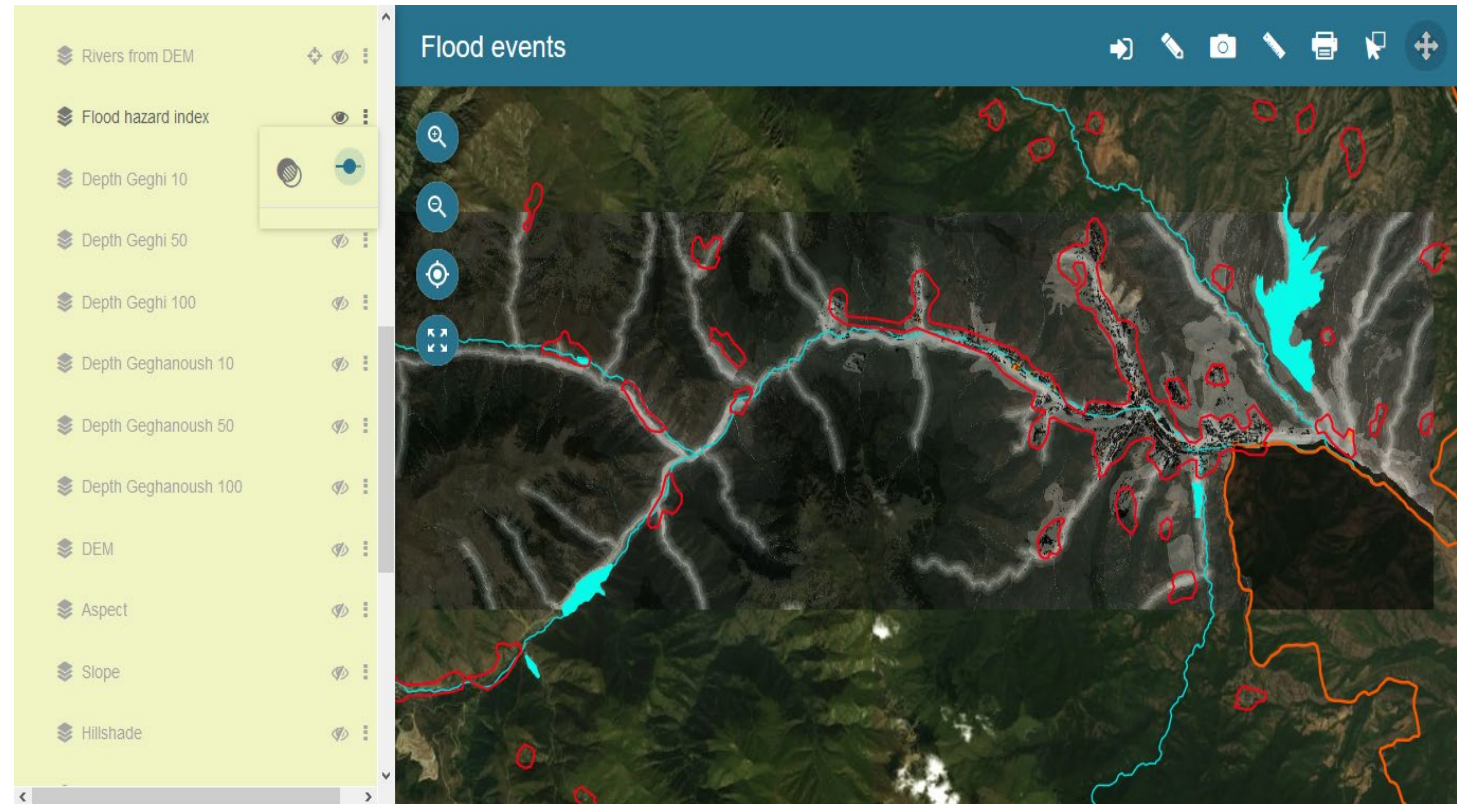10. Switch to map navigation (pan and zoom)

Layer list options and usability

1. Zoom to selected layer (allow users to zoom in to the selected layer location)
2. Turn on and off(allow users to turn on or off the selected layer)
3. Extra menu(allow users to have more options)
4. Opacity(allow users to change the opacity of the selected layer)
5. Download layer (allow users to download layers as geojson files)
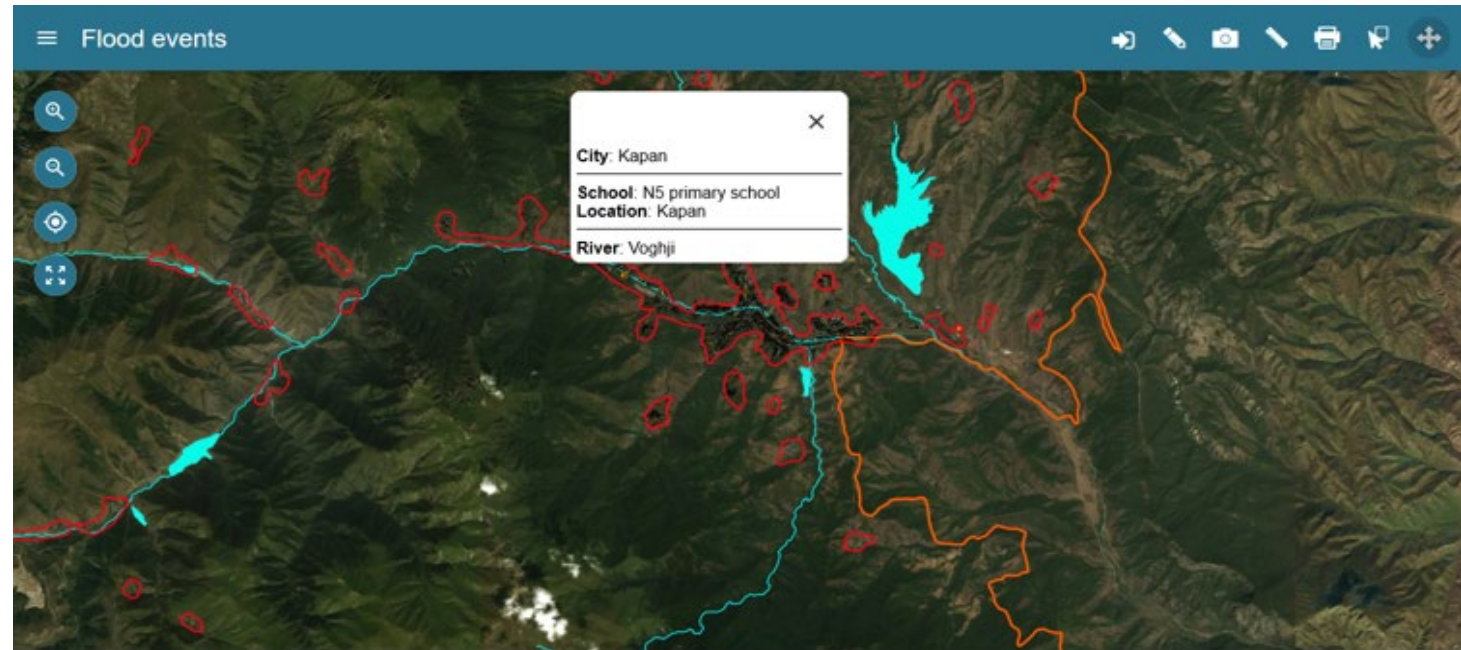6. Filter layer(allow users to make custom filters from layers data)

Web-GIS Visualization capabilities

The module has the **ability of switching the predefined layers and also the base map layers**. The predefined layers have a very rich data by turning them off or on. **Users can easily make analysis of the risks in cases** of flood events in GIS environment.

Popup option

Popup option **allows user to receive information about the objects on the map**. It can be activated by clicking on the object spotted on the map.
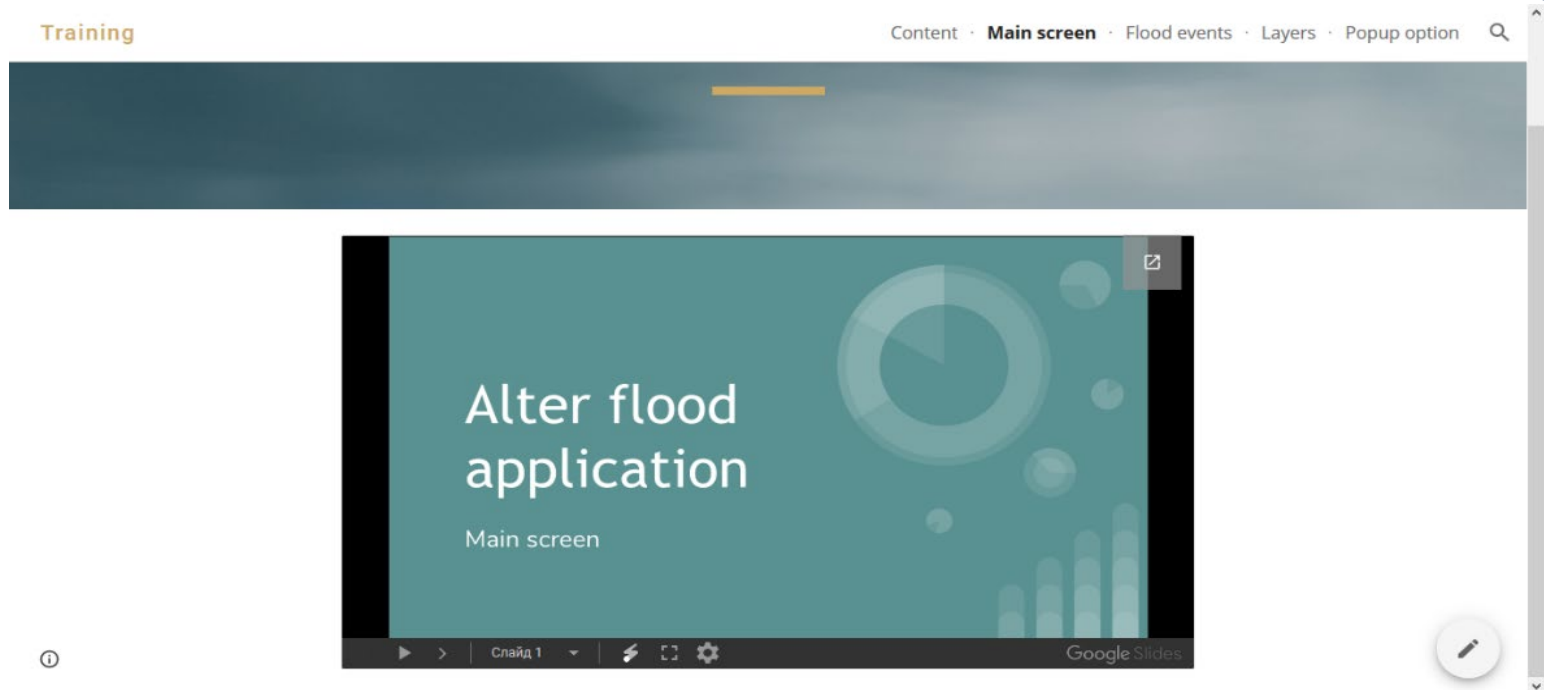
Training Tool

The **training option can be accessed via the main screen of the application**. It delivers simple presentation and video tutorials for the ALTER-flood application.

ALTER-Flood

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Training is done via videos

The training option has been created as **extra feature** for the tool. It is done for the users in the form of **short videos representing every instrument capability and its potential use.**

Thank you for your attention!

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