GeoZoneWeb application user manual

DOCUMENT INFORMATION

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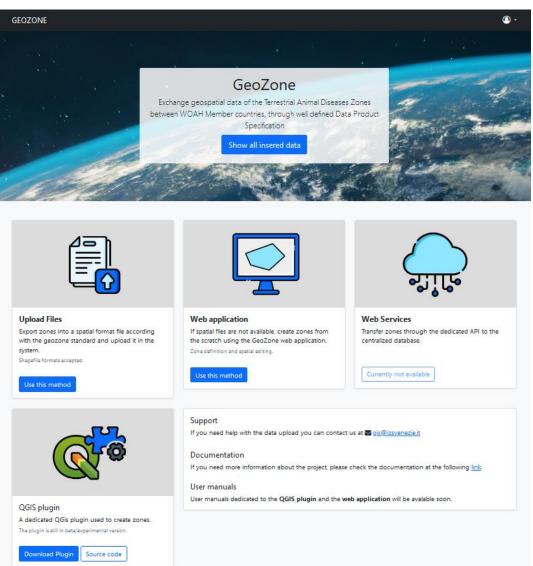
1. Introduction

The GeoZone web application is active at the http://geozone.izsvenezie.it and should not be considered a final product, but only a demo to support the Pilot project. The main purpose of the application is to be able to visualize the data collected during the pilot phase and offer some methods of data acquisition.

The following manual is designed to help the users involved in the Pilot project to work with the GeoZone web application.

2. Accessing the web application

Choose your favorite browser and access to the following url: http://geozone.izsvenezie.it
The main page allows you to enter in different sections: Show all inserted data, Upload files, Web Application. In addition it is possible to download the last version of QGIS plugin.



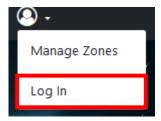
3. Account

Some sections need user account to be accessed.

The user credentials can be required directly to the GIS Unit of the IZSVe (write an email to the gis@izsvenezie.it).

Once you will have an active account (username and password) you can login to the system.

1. On the top-right corner you can find the login option:



And then fill in the form with username and password.

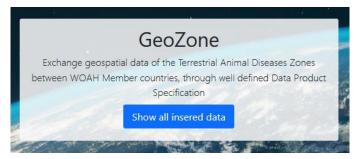
In case you are not logged in and you try to open a page that needs you to be logged in, you will be requested to enter credentials.

2. Before closing GeoZone web-app do not forget to logout:



Each user is identify by a username and password, and linked to a specific Country.

4. Show all inserted zones



This section displays all the zones already registered and you will be able to interact with the map. To access it is not required to be loggedin.

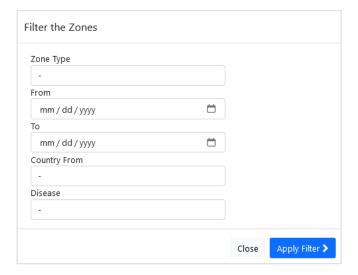
The maps look something like this:



By zooming in the map, either by using the mouse or with the dedicated buttons () in the top left corner of the map you can interact with the different zones, gathering additional information by left clicking on them:

You can apply **filters** by using the dedicated filter button in the bottom right corner of the map (

Filter T). A filter modal will appear giving you the possibility to filter zones based on the following fields: zone type, start and end date, country, disease



In the left-bottom corner, a **legend** which describes all the zone representations is available:



5. QGIS plugin

A dedicated QGIS plugin is available. It is possible to download it directly from the official repository or get the source code directly form Github (https://github.com/IZSVenezie/geozone).



6. Data management

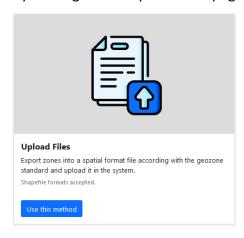
Using the web application it I possible to: insert, modify or delete zones.

The following sections require an account, so please refer to the Account chapter.

There are several possible way to insert data.

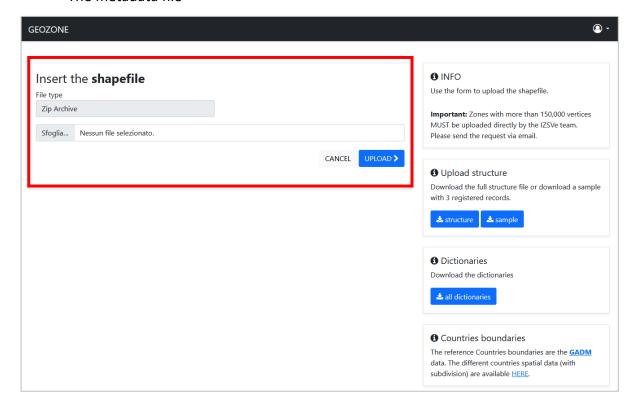
6.1 – Insert or update zones with Upload files

By clicking on the *Upload Files* page you will be redirected to the dedicated page.



The page allows you to upload a zip file containing:

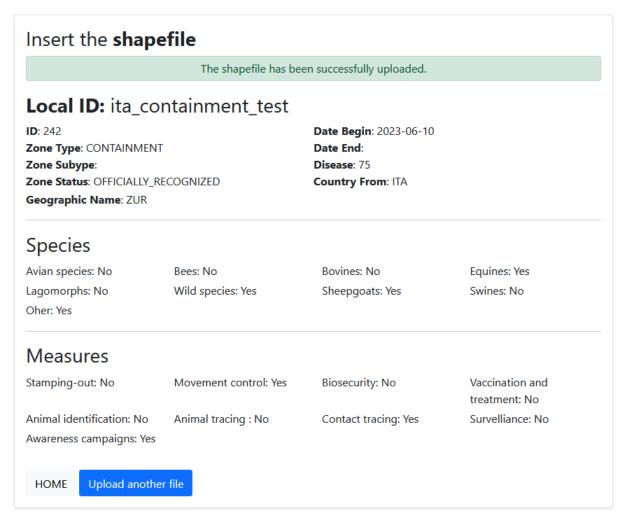
- The shapefile containing the zones you want to insert or update in the database
- The metadata file



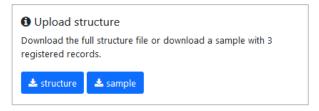
1. Once you have prepared the zip archive, upload it using the form:



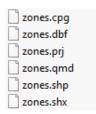
2. Once the upload goes as supposed, you'll be prompted with a report:



In case you want more information regarding how is the structure of the file, you can download a template from a dedicated menu:



a. The *structure* button (*structure*) starts a download of the relative file that's expected, in particular, the zip archive contains the following files:



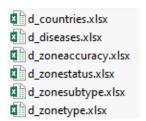
be aware that the structure download, as the name suggest, contains only the structure of the shapefile that's expected to be uploaded. For more information about the content, please refer to the following bullet point, containing a practical example

b. The sample button (contains an example of a zone:

We suggest you use these zip files as reference for your zones.

Some fields can contain only specific values (for example the disease field), we provide you with all the *dictionaries* (dictionaries) needed:

The zip archive contains all dictionaries you might need to properly fulfill the shapefile:



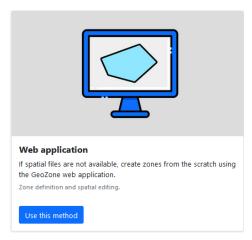
Lastly, we provide links to download the official Countries boundaries, provided by GADM:

Countries boundaries

The reference Countries boundaries are the **GADM** data. The different countries spatial data (with subdivision) are available HERE.

6.2 – Insert zones manually

The second method for zones data acquisition is by a dedicated wizard form.

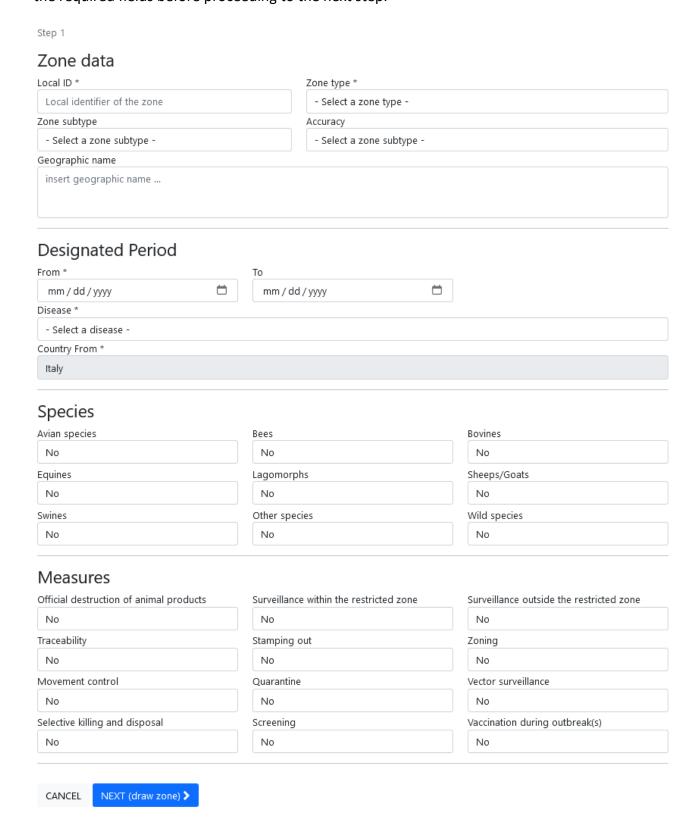


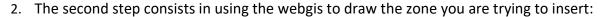
Once you open the page, you will be prompted with a form to insert the zone data. The form matches the shapefile <u>structure</u> and allows you to insert a single zone.

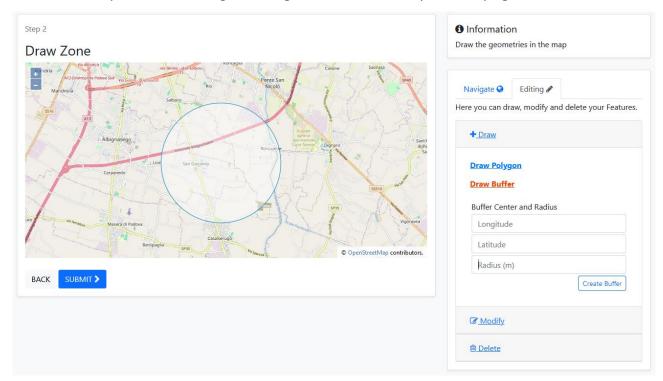
The wizard is structured in several steps:

- Non-spatial data acquisition;
- Spatial data acquisition;
- Report after the data registration and feedback.

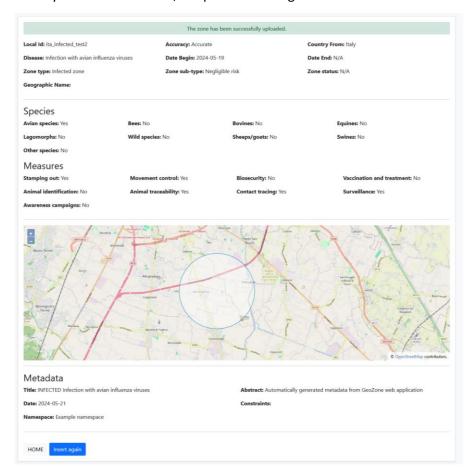
1. The first step present a form to fill. The required fields are marked with a *; be sure to fill all the required fields before proceeding to the next step.







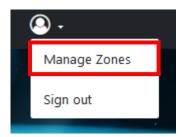
3. Once you submit the zone, a report containing all the inserted information will be generated:

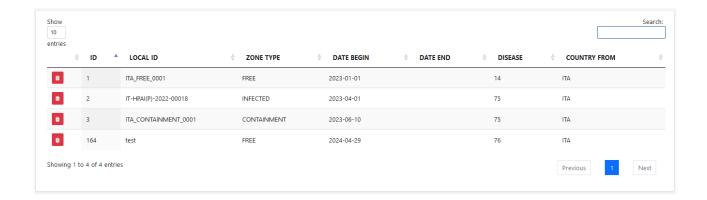


In case of problems a feedback with dedicated messages will be presented.

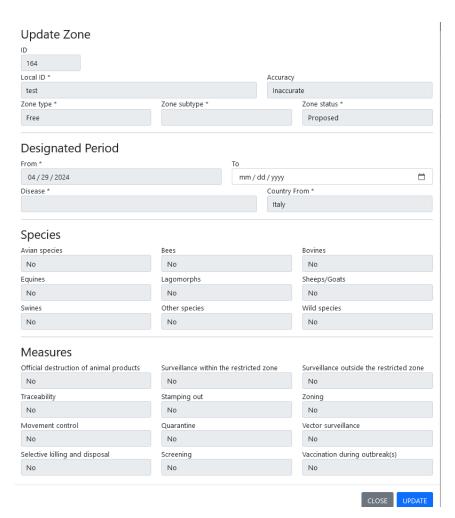
6.3 – Manage (update or delete) zones

You can always see the zones already inserted as a table by clicking on the manage zones menu in the top-right corner:





In case you need to update or delete a wrong you can easily edit data through this page. When you double click on the record you want to edit, a modal will appear and you can edit the record.



This page also allows you to delete records with the dedicated button ().

Be aware! This operation is irreversible.