ALTAMIRA
INFORMATION

Title	RASOR Layers plugin User Guide
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RASOR

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1. INTRODUCTION

The RASOR layers plugin is a QGIS (Quantum GIS) open-source plugin capable of generating RASOR compliant exposure layers (following the RASOR attribute schema). Moreover, the plugin can upload/download layers to the Geonode instance of the project.
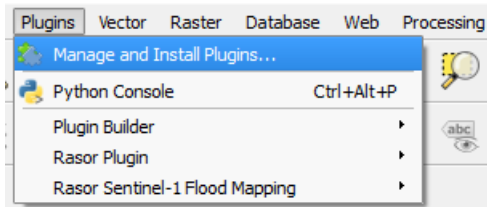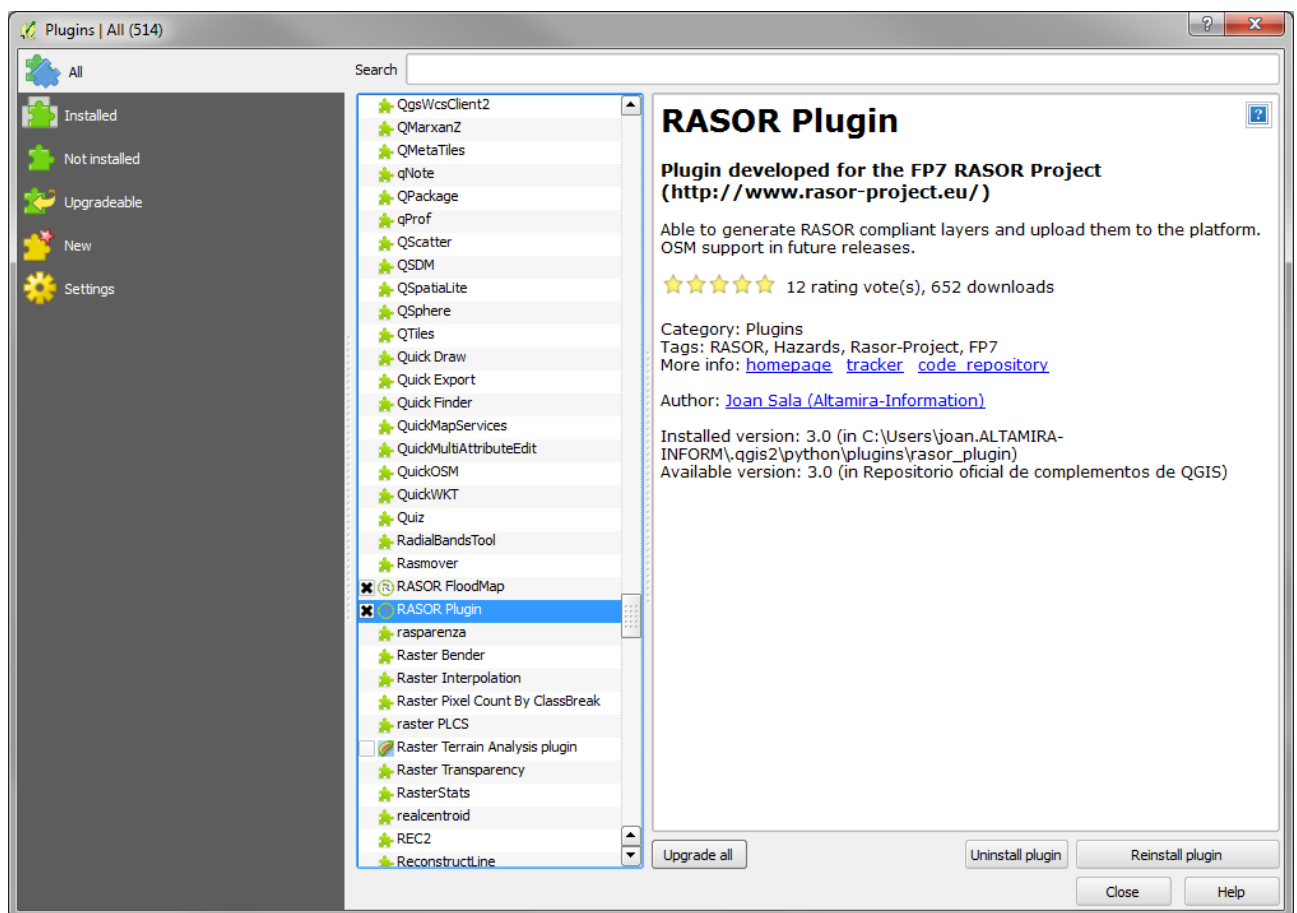
2. INSTALLATION

2.1. Installation

The plugin can be directly installed from QGIS plugin repository following the steps:

1. Access the plugin repository:

2. Search for "RASOR Plugin", and click install plugin.

3. If you already had the plugin installed and want to upgrade it to the last version it is recommended to re-install by uninstall plugin and install plugin again.
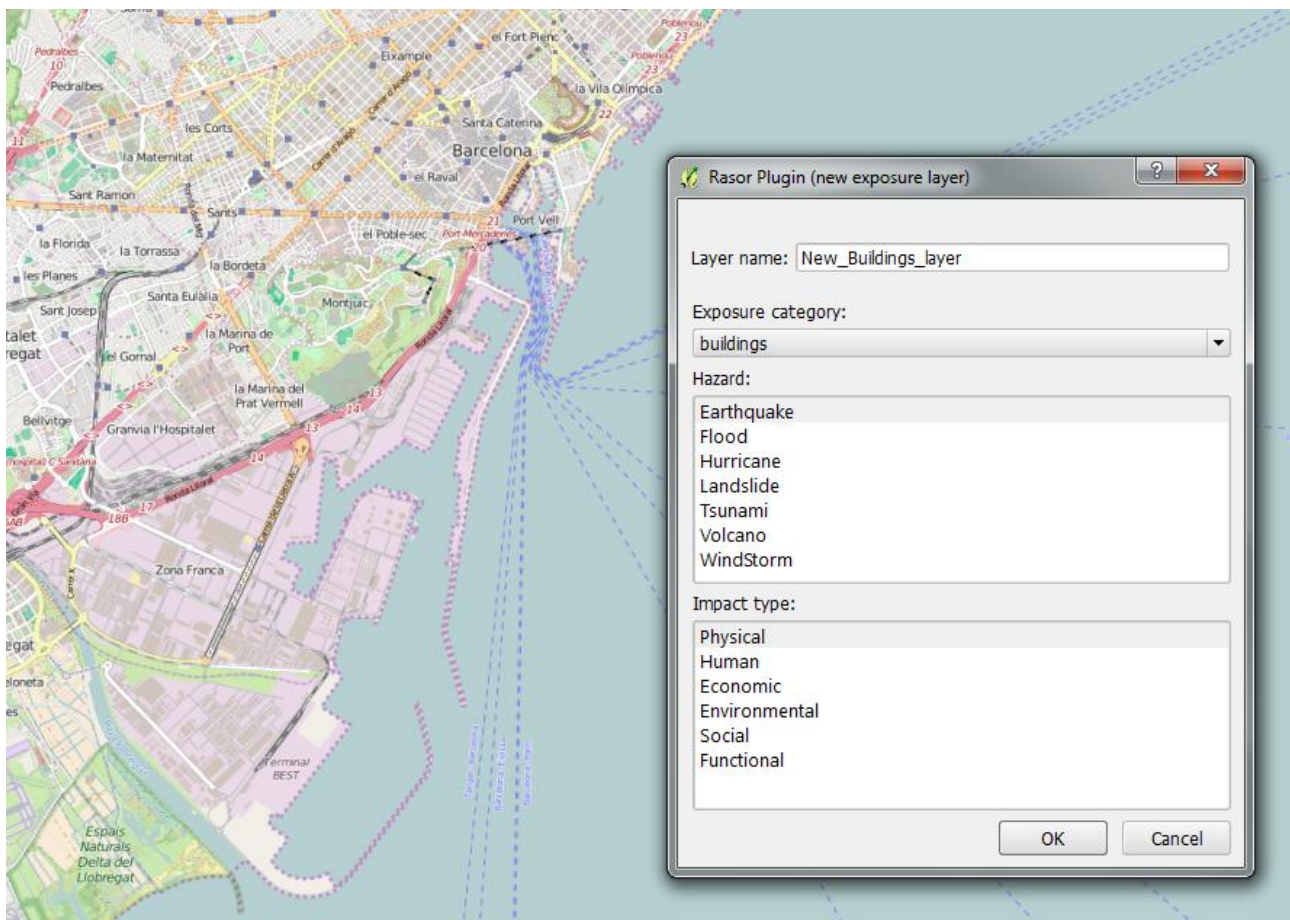
3. USAGE

The interface is divided in 3 buttons. Each button corresponds to a capability of the plugin (Create new layer, upload layer, download layer).
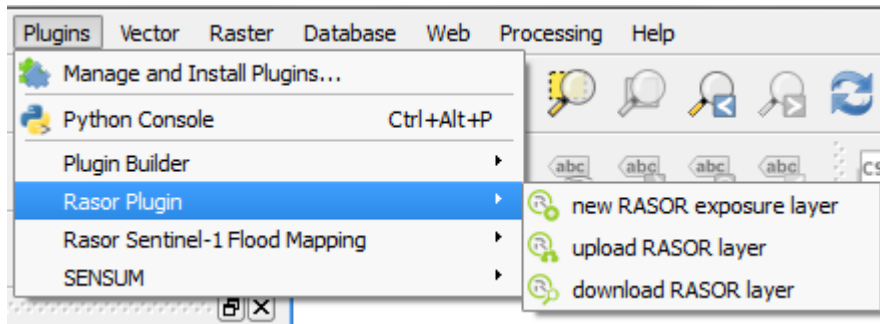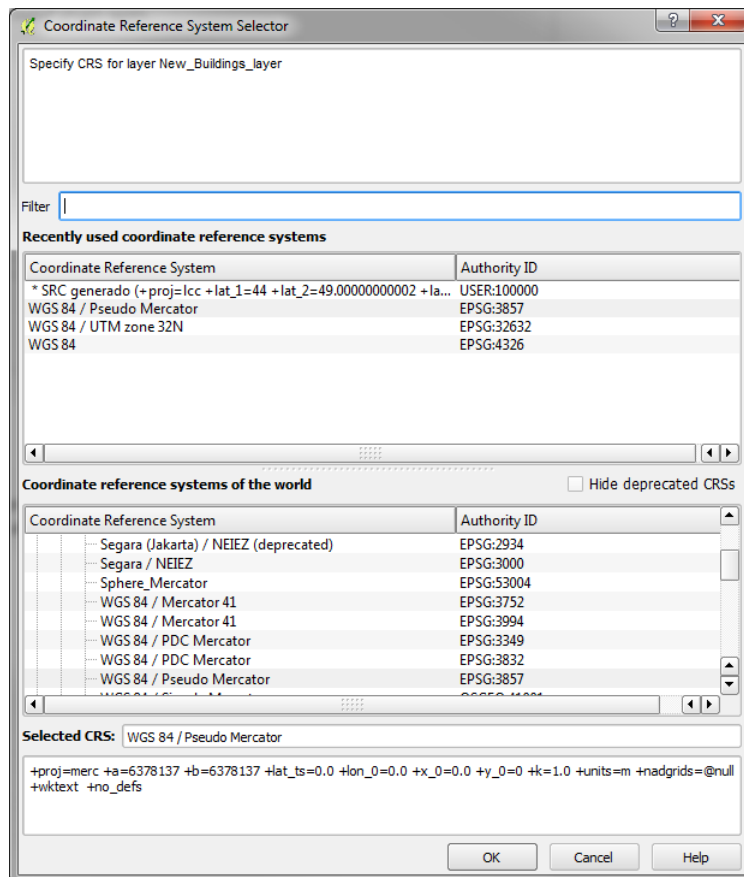

3.1. Create new layer

In order to create a new exposure layer we have to provide three inputs:

- Name of the layer

- Exposure category (for example Buildings)

- Hazards considered for this exposure layer
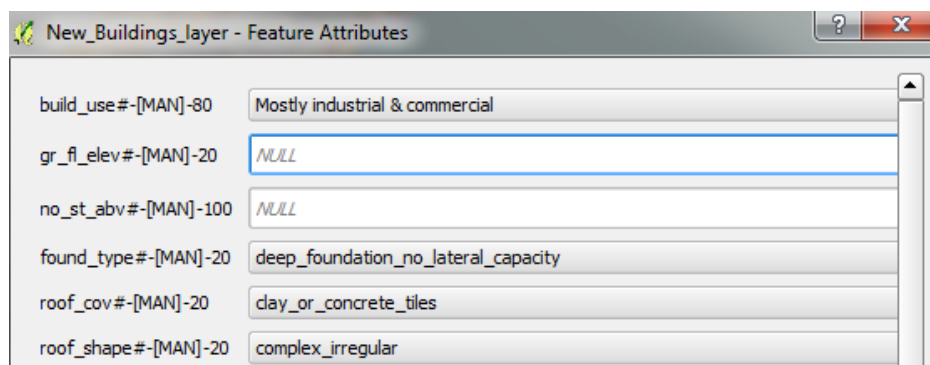
- Impact type of the layer.

After that, we will be prompted with the CRS definition dialog to establish the projection (default and recommended is EPSG:4326):


Once completed we can start to create new features associated with this layer:

Every time we create a feature we will be prompted with the attributes fill dialog for the specific (Hazard, Impact, Exposure category) we have selected in the first steps. Please note that the naming convention is $attribute#-$priority-$evaluation.
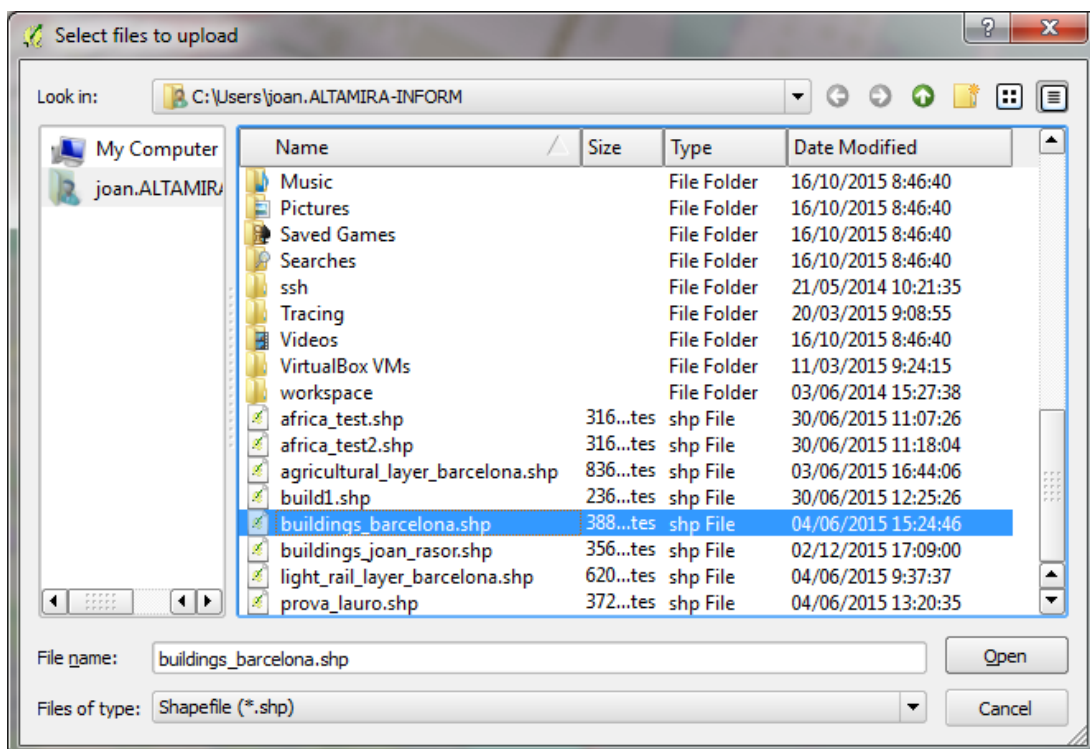
Once edited a layer can be saved to an ESRI Shapefile ready to be uploaded to the platform.
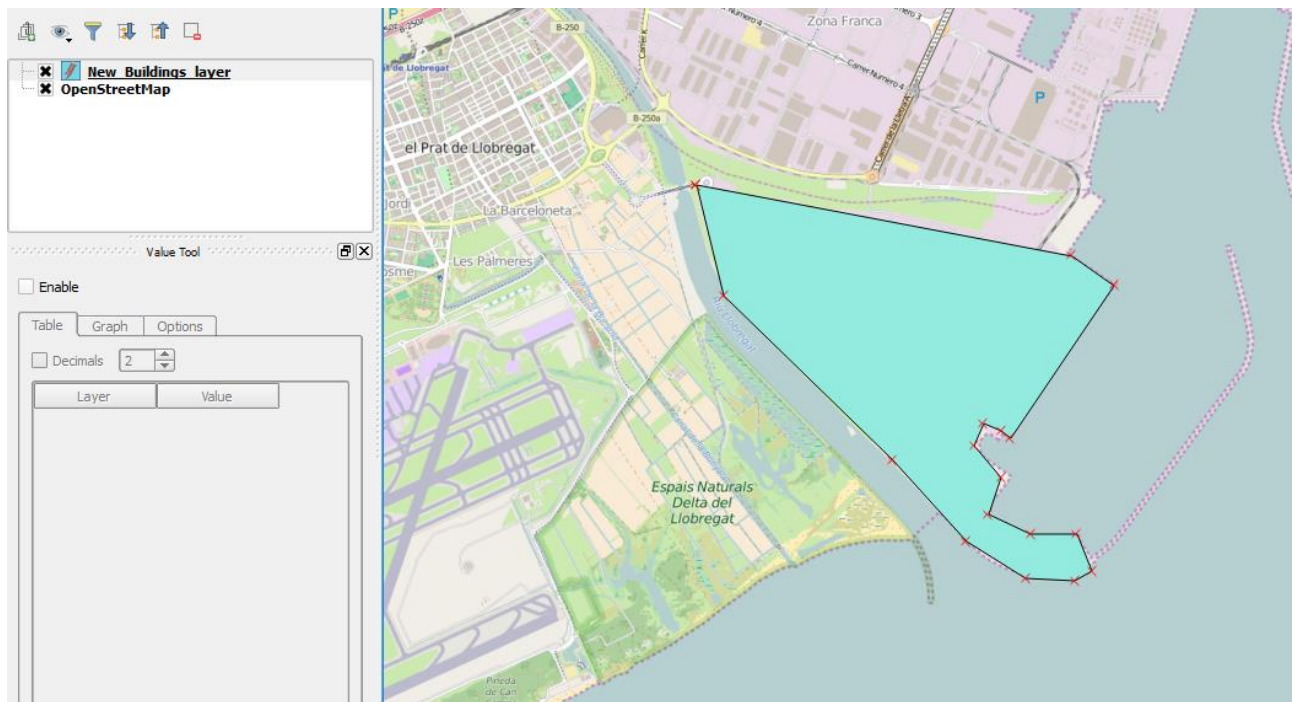

3.2. Upload layer to GeoNode

In order to upload layers to GeoNode we must provide a valid ESRI SHP with the RASOR compliant attributes:

Once we have selected the file, we need to provide the exposure category:

After that user/password authentication is required to perform the upload:

3.3. Download layer

In order to download layers from the RASOR Geonode instance, we have to select the layer name from the available layers dialog:
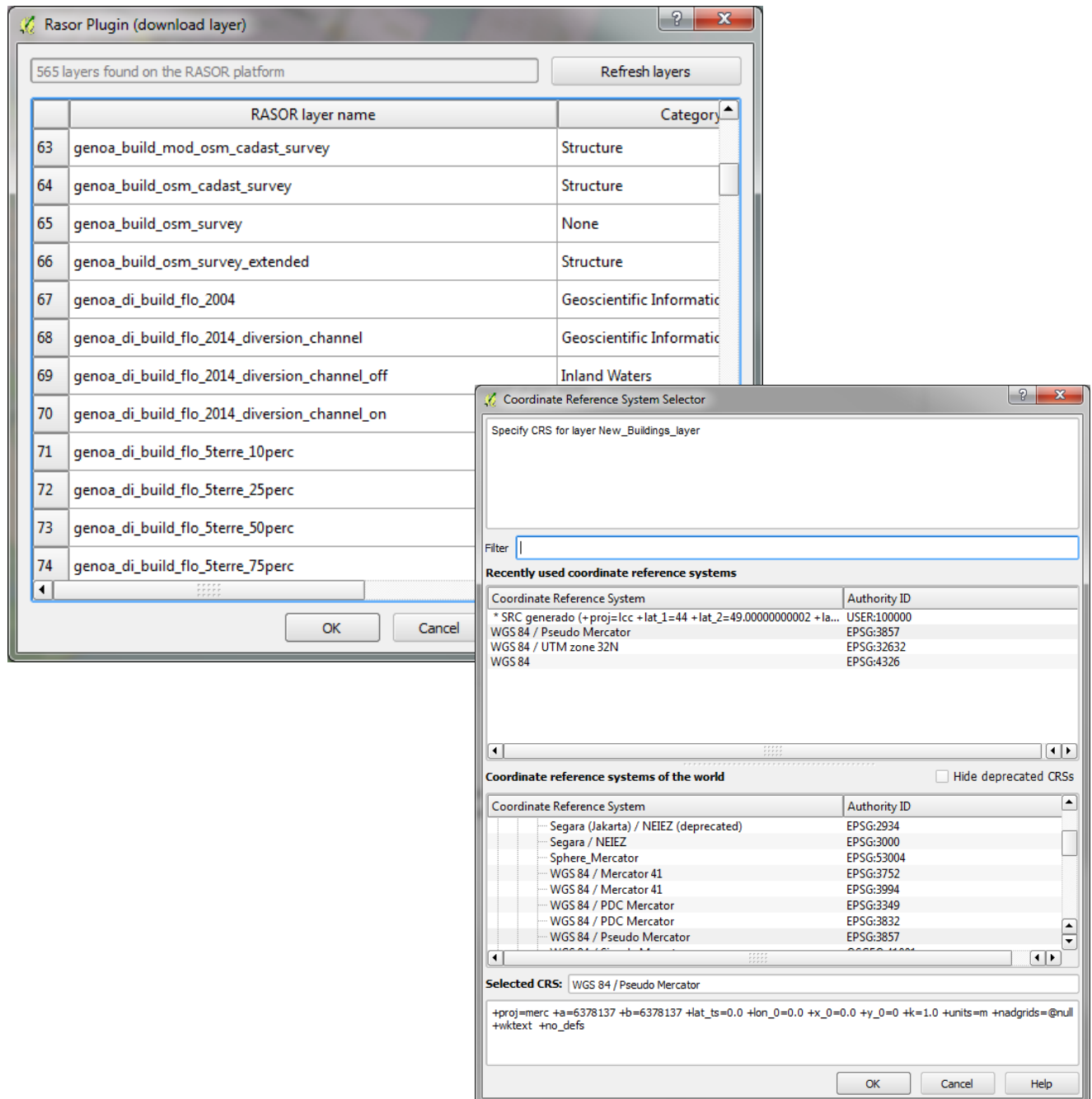
After that, we will be prompted with the CRS definition dialog to establish the projection (default and recommended is EPSG:4326):

After that, we will be able to edit attributes for the downloaded layer: