



## Section : 1. Intro

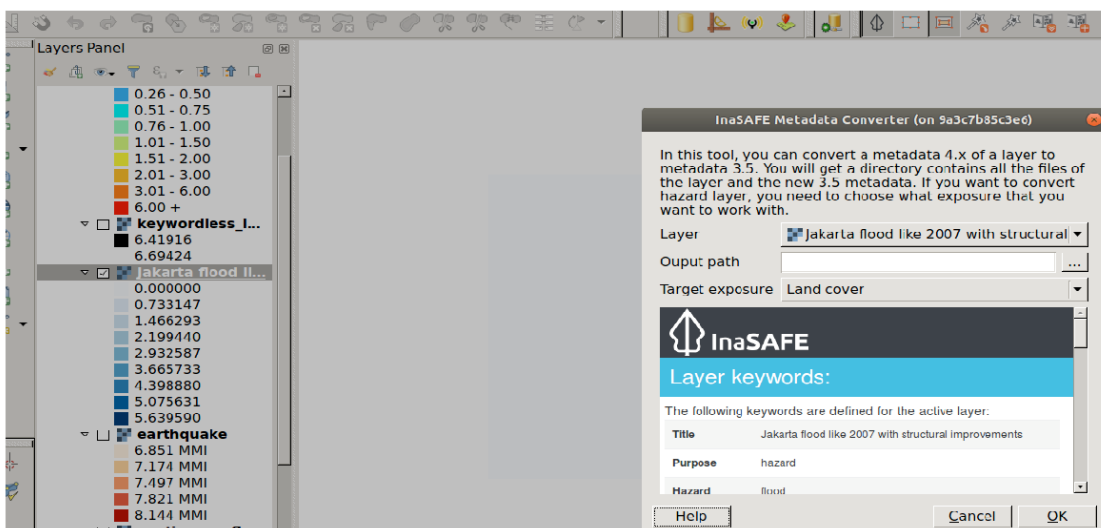
### Module : 1.3. Keywords and metadata conversion

#### **i** InaSAFE keywords and metadata for GeoSAFE

*“GeoSAFE layers need InaSAFE keywords to be compatible with InaSAFE 3.5.”*

In this module we look at ways to convert metadata from version 4.x to 3.5 so that the data can be used in GeoSAFE. This exercise assumes a user has already done GeoSAFE-layer-preparation-keywords-v4.

We will also style the layer in QGIS and save the style in preparation for upload to GeoSAFE.



#### **You try:**

**Goal: To convert metadata from version 4.0 and upwards to version 3.5 which GeoSAFE currently utilises**

- Load the layer from the previous exercise.
- Choose InaSAFE from the plugin menu and select metadata conversion from the drop down.
- Select the layer you need to convert the keywords from version 4.0 to the GeoSAFE version.
- Select the layer from the list specified.
- If the layer chosen is a hazard then match it to the correct exposure.
- Select an output path and run the conversion.
- Load the result into QGIS and the dock highlights the GeoSAFE version keywords.
- Style the layer if you want to.
- Go to Layer Properties and Save the style as Default. This will put a .qml file next to the data files on disk.

#### **Check your results**

When you have finished the conversion add the generated layer into QGIS and notice that from InaSAFE dock, the layer is no longer selectable. The dock shows a notification about the keywords version.

This is fine for our purposes because we don't want to use this version 3.5 layer in InaSAFE desktop.

## **More about**

GeoSAFE is currently pinned to run InaSAFE version 3.5 which renders all metadata generated by InaSAFE versions greater than 4 unusable in GeoSAFE. The conversion of metadata allows the flexibility of running concurrent analysis in the desktop and the browser using the different versions of keywords.

## **Check your knowledge:**

1. What are InaSAFE keywords:
  - a. *These are letters written in bold in the metadata document*
  - b. *This describes the parameters for each hazard/ exposure type*
  - c. *Keywords are a type of analysis for InaSAFE*
2. What is the main difference when converting metadata with keywords 4.0 to 3.5 for hazard and vector:
  - a. *There is no difference, both do the same thing*
  - b. *When converting exposure layer you also need to specify what type of hazard the layer will be used with*
  - c. *When converting a hazard layer you also need to specify what type of exposure the layer will be used with*
3. Can you convert metadata with keywords version 3.5 to version 4:
  - a. *Not possible at all*
  - b. *Yes if the InaSAFE team write a new tool*
  - c. *Yes you just go through the keywords creation tool*
  - d. *I do not know*

## **Further reading:**

- keywords\_wizard [http://docs.inasafe.org/en/user-docs/application-help/keywords\\_wizard.html](http://docs.inasafe.org/en/user-docs/application-help/keywords_wizard.html)
- 402-preparing-data-and-keywords-for-inasafe <http://docs.inasafe.org/en/training/old-training/intermediate/qgis-inasafe/402-preparing-data-and-keywords-for-inasafe.html>