



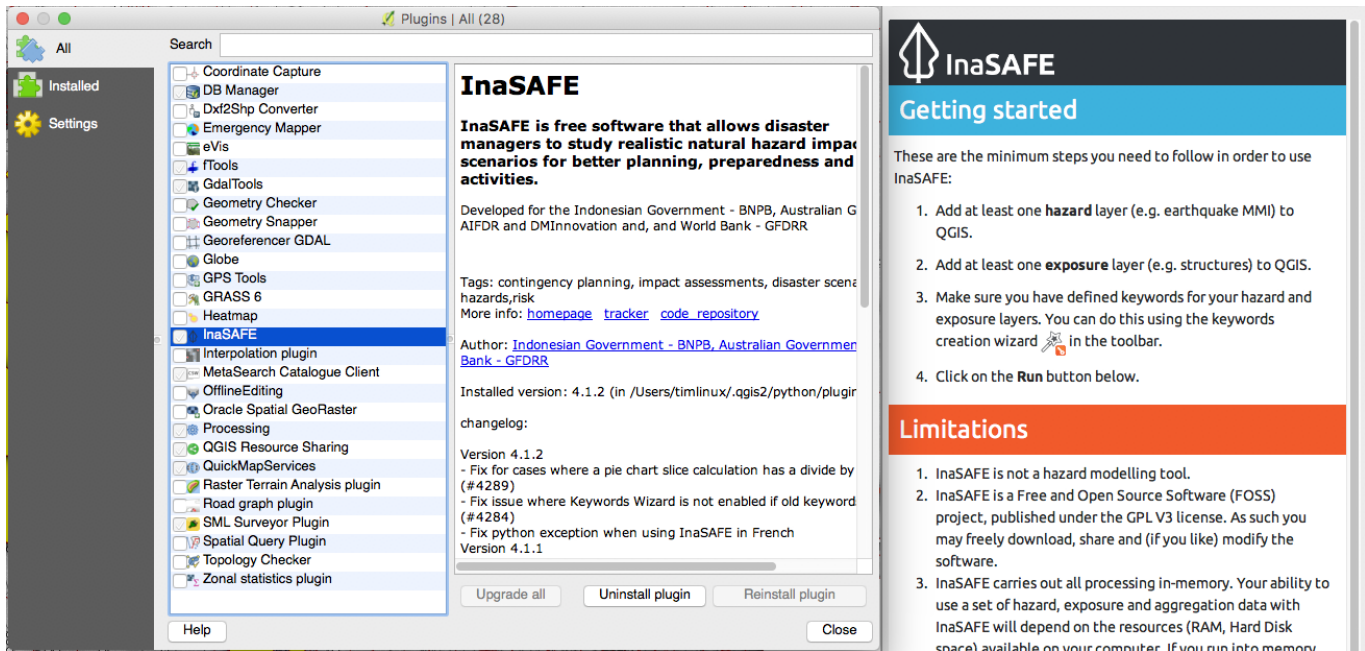
Section : Introduction to InaSAFE

Module : Installing InaSAFE

How to install InaSAFE

“We walk through the installation of InaSAFE on QGIS.”

The first step to using InaSAFE is to install it using the plugin manager in QGIS. In this short worksheet you will go through the process of installing InaSAFE and we will explain how to check if a new release is available, and what the numbering of the releases means.



The screenshot shows the QGIS Plugin Manager window. On the left, a list of plugins is shown, with 'InaSAFE' selected. The main panel displays the InaSAFE plugin details, including its description, author information, version (4.1.2), and a changelog. On the right, a sidebar provides 'Getting started' instructions and 'Limitations'.

InaSAFE

InaSAFE is free software that allows disaster managers to study realistic natural hazard impact scenarios for better planning, preparedness and activities.

Developed for the Indonesian Government - BNPB, Australian Government - AIFDR and DMInnovation and, and World Bank - GFDRR

Tags: contingency planning, impact assessments, disaster scene hazards, risk
More info: [homepage](#) [tracker](#) [code repository](#)

Author: [Indonesian Government - BNPB, Australian Government Bank - GFDRR](#)

Installed version: 4.1.2 (in /Users/timlinux/.qgis2/python/plugin)


changelog:

Version 4.1.2
- Fix for cases where a pie chart slice calculation has a divide by 0 (#4289)
- Fix issue where Keywords Wizard is not enabled if old keyword (#4284)
- Fix python exception when using InaSAFE in French Version 4.1.1

Buttons: Upgrade all, Uninstall plugin, Reinstall plugin, Help, Close

Getting started

These are the minimum steps you need to follow in order to use InaSAFE:

1. Add at least one **hazard** layer (e.g. earthquake MMI) to QGIS.
2. Add at least one **exposure** layer (e.g. structures) to QGIS.
3. Make sure you have defined keywords for your hazard and exposure layers. You can do this using the keywords creation wizard  in the toolbar.
4. Click on the **Run** button below.

Limitations

1. InaSAFE is not a hazard modelling tool.
2. InaSAFE is a Free and Open Source Software (FOSS) project, published under the GPL V3 license. As such you may freely download, share and (if you like) modify the software.
3. InaSAFE carries out all processing in-memory. Your ability to use a set of hazard, exposure and aggregation data with InaSAFE will depend on the resources (RAM, Hard Disk space) available on your computer. If you run into memory

You try:

Goal: To be able to run a simple analysis in InaSAFE.

- Open QGIS (ideally the current Long Term Release (LTR) version)
- Open the plugin manager
- Wait for the manager to fetch the list of available plugins

Choose the InaSAFE plugin and install it
Restart QGIS

Check your results:

- Do you see InaSAFE in the plugins menu?
- Do you see the InaSAFE toolbar?
- Do you see the InaSAFE dock window?

Why do I need to restart QGIS?

In some cases it may not actually be necessary to restart QGIS, but because InaSAFE is a fairly complex plugin, we cannot guarantee that the plugin will unload and then reload cleanly if you are doing an upgrade. For this reason we recommend you get into the habit of restarting QGIS after update InaSAFE

More about

Installing InaSAFE is really easy right? In some cases you may experience difficulty doing the installation if you have poor internet connectivity. The plugin is about a 5mb download (at time of writing). If you are wanting to share the plugin with colleagues and your internet is poor, consider downloading the windows executable installer which you can then share via a USB Memory Stick or similar method. The windows installer is available on the GitHub Releases Page (see link at the bottom of this page).

We periodically make new InaSAFE releases – either to fix bugs or to introduce new features and improvements. We use “semantic versioning”™ which gives you an indication of the purpose of each release. Each release number has 3 parts: major version, minor version, bug fix version. For example InaSAFE 4.1.2 has major version of 4, minor version of 1 and bug fix version of 2. Generally a change in major version introduces potentially breaking changes (e.g. requiring that you re-create your keywords). Minor version changes (e.g. 4.1 to 4.2) introduce new features and bug fix versions don’t add features but do fix bugs.

When we announce a major or minor release, we will provide a changelog that highlights the key new advances introduced with that release. You can see the changelogs at changelog.inasafe.org by clicking on any release in the InaSAFE project list. You should occasionally check in QGIS if there is a new version of InaSAFE available to install, especially if you know a new version has been released. In QGIS go to Plugins-> Manage and Install plugins and click on InaSAFE in the list of plugins. If there is a new version available, the Upgrade plugin button will be active. Click it and QGIS will fetch and install the new version of InaSAFE.

Check your knowledge:

1. True or false? : The only way to install InaSAFE is using the QGIS plugin manager?:
 - a. True
 - b. False
2. Minor releases are intended to (choose all that apply):
 - a. Introduce new bugs into InaSAFE
 - b. Introduce new features into InaSAFE
 - c. Introduce potentially breaking changes into InaSAFE
3. The current version of InaSAFE is?:
 - a. InaSAFE 4.2.0
 - b. InaSAFE 5.0.1



Further reading:

- InaSAFE Releases Page <https://github.com/inasafe/inasafe/releases>
- InaSAFE Changelogs: <http://changelog.inasafe.org/en/inasafe/>