InaSAFE

Training Workshop (draft)

Week 1: InaSAFE 101

Monday 30 September: Basics of the python programming language. Writing python code that is compliant to InaSAFE practices: PEP8, Doc Strings etc. Using pycharm for efficient development.

Tuesday 1 October: Python unit testing - strategies for effective testing. Writing internationalised code with python.

Wednesday 2 October: Introduction to Qt: Basic usage of the PyQt framework. Forms, resources and translations in Qt.

Thursday 3 October: Introduction to QGIS: Understanding the software from a user point of view.

Friday 4 October: Programming with QGIS: Understanding the QGIS api.

Week 2: InaSAFE 101

Monday 7 October: Understanding InaSAFE: User perspective of InaSAFE. Elements of the project (project infrastructure and social organisation). Code management and GIT issue tracking. The release process. Documentation organisation and introduction to sphinx.

Tuesday 8 October: The InaSAFE code base: Organisation of the code and tour of the key packages: safe and safe_qgis. Running tests, debugging and procedures for adding new features.

Wednesday 9 October: Workshop - creating a new feature in InaSAFE gui. We will select a couple of small enhancements to the UI and go through the complete workflow of describing the requirement in a GH issue, writing a test, implementing the code, committing to the upstream repo and jenkins verification on different platforms.

Thursday 10 & 11 October: Numpy in depth with Christian Christelis and workshopping the implementation of a simple demonstrator impact function.