

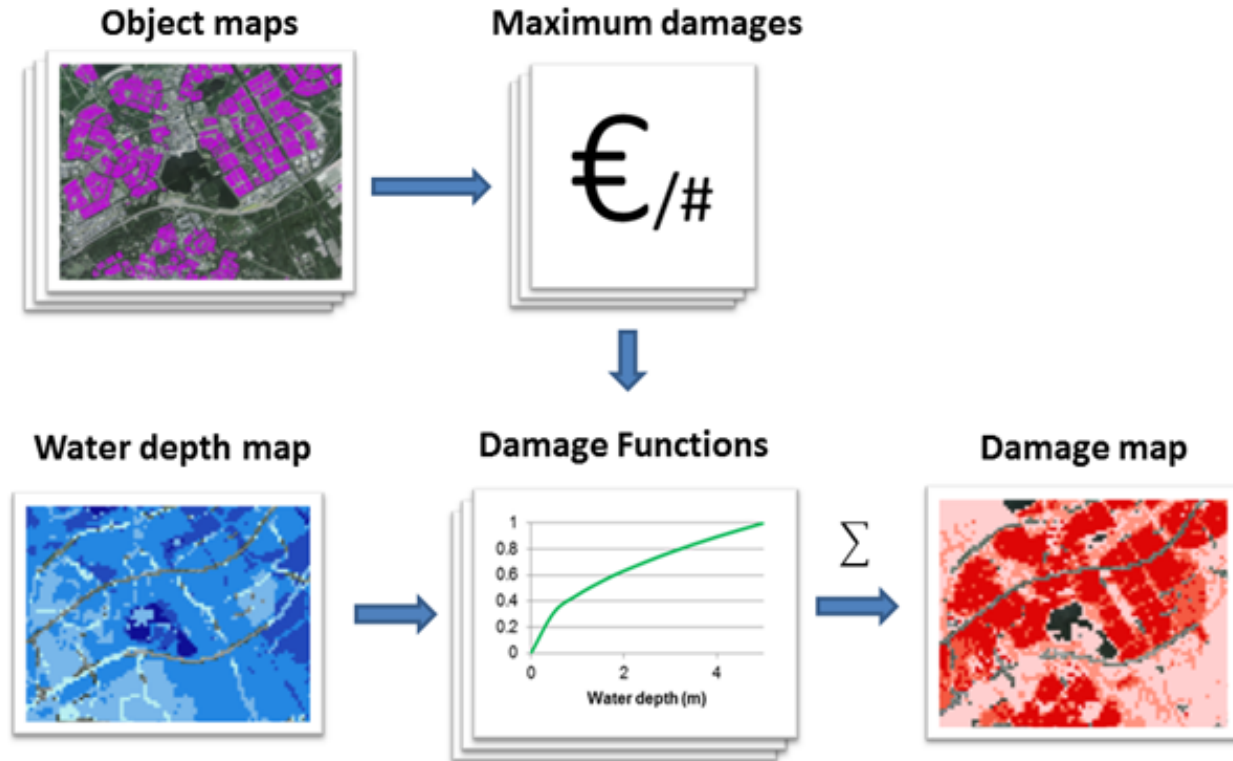
Delft-FIAT Home

Welcome to the Delft-FIAT homepage. The Flood Impact Assessment Tool is a flexible Open Source toolset for building and running flood impact models that are based on the unit-loss method. The modeler is able to build and run impacts models compatible with all major hydro-dynamic and GIS-software.

To download Delft-FIAT contact Kymo Slager (kymo.slager@deltares.nl).

Building a flood impact model

The modeler is free to use its own comfortable tools and interfaces (e.g. ArcGIS, QGIS, Python, Matlab) to build the input data needed for flood impact assessment. These are exposure maps, impact functions and maximum damages, all related through a model configuration file. The exposure maps should be formatted following an open data standard or defacto standard (e.g. Tiff, asc) and need to fulfill some basic requirements. The other inputs are managed through an excel worksheet.



Delft-FIAT facilitates the unit-loss method for damage and risk calculations

Running a flood impact model

For running a flood impact model different options are available. First, the model can be run as an executable or using Python. For the standard user, the model can be run using the FIAT calculation core as a webservice (WPS). For operational use, the model can easily be run in operational systems ([FIAT adapter](#)).

Below you'll find access to the different chapters of the user manual (please reference as: *Slager, K., A. Burzel, E.Bos, K. de Bruijn, D. Wagenaar, H. Winsemius, L. Bouwer, M. van der Doef (2016), User Manual Delft-FIAT version 1, website: publicwiki.deltares.nl/display/DFIAT/Delft-FIAT+Home)*

[Chapter 1: Introduction to Delft-FIAT](#)

[Chapter 2: How to install and start Delft-FIAT](#)

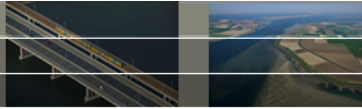
[Chapter 3: How to setup a flood impact model](#)

[Chapter 4: How to run a flood impact model](#)

[Chapter 5: Delft-FIAT exercises](#)

[Chapter 6: Tips & tricks for configuring Delft-FIAT](#)

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22 april 2015

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