# Releasing the DikesOvertopping kernel.

This document describes the steps in making a DikesOvertopping release.

# Preparations

## New version number

Update the version number such that each release has a unique version number.

We use version of the form 23.1.1 with 23 the year (modulo 100) and the second digit for a release with changes in the interface or new features (compared to a release with in same year) and the last digit for small updates/bug fixes.

## Select dependencies

DikesOvertopping depends on Fortran-Common-Library and is build using a Fortran compiler.

Ideally a release of DikesOvertopping uses the latest release of Fortran-Common-Library and the newest compiler available on TeamCity.

# Creating the release

The binaries are created on TeamCity in four configurations: windows 32-bit, windows 64-bit, Linux 64-bit with Intel compiler and Linux 64-bit with GNU compiler. The GNU build is only in use as it has more checks during compile time, and its artifacts is not released.

The artifacts of the three other builds are copied into the release folder.

When this last step is committed, tags are created in both subversion and TeamCity.