

Getting started with FOCUS_TOXSWA

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How TOXSWA works

For the FOCUS Surface Water Scenarios the TOXSWA shell communicates with the SWASH/TOXSWA database, which stores all needed run information, and it prepares the input files for running the TOXSWA program. TOXSWA requires three input files:

- the *.met file, containing the monthly average temperatures,
- the *.m2t or *.p2t file, containing MACRO's drainage or PRZM's runoff and erosion fluxes, respectively and
- the *.txw file, containing all other input information.

FOCUS_TOXSWA imports projects and runs defined in SWASH, which can be very easily run in the TOXSWA shell. The shell also allows the user to access a report with the main results and several graphs presenting output.

System Requirements

Operating systems:

TOXSWA has been tested on Win98, Win2000, WinNT and WinXP. TOXSWA is likely to run on Win95 machines, however, this has not been tested.

Access rights:

On Win98, WinNT, Win2000 and WinXP machines it is necessary to have Administrator rights.

Preinstalled software:

Windows version 98 or higher (technical support only provided from Win98, 2nd edition or higher). For Windows NT a MS Office package is needed

Hard disk memory:

TOXSWA requires 7.5 Mb for installation.

Display:

Monitor with at least 800x600, at 256 colors. Use as display setting, Font size: Small Fonts.

Processor:

The faster the better.

Installing FOCUS_TOXSWA

The complete installation procedure of the SWASH software package include five steps, in which the four software programs of SWASH, MACRO, PRZM and TOXSWA are installed. Below the TOXSWA Installation step is explained, for more details please refer to the read_me_first text file in the SWASH zip file and the read_me text file in the TOXSWA zip file.

Please note that SWASH should ALWAYS be installed FIRST, so before the installation of any other model. Once SWASH has been installed MACRO, PRZM and TOXSWA may be installed in any order.

We can only guarantee a proper functioning of the entire package, if you install all applications on the default directory. The default directory for TOXSWA is C:\SWASH\TOXSWA.

Step 3 (or higher):

TOXSWA installation procedure

- If necessary, uninstall previous versions of TOXSWA from your machine
- Download the TOXSWA.zip file
- Extract all files to some temporary directory at your local machine
- Run the setup.exe program and follow the on screen instructions
- Start SWASH from the Start menu and enter the main screen
- TOXSWA can now be started via the TOXSWA button on the main SWASH screen

Known bugs:

- None

Technical Support

The TOXSWA User Interface does not yet contain a Help button, but a (draft) user manual is provided at: www.pesticides.alterra.nl (select Research Themes, Fate Surface water).

If you suffer from installation problems with TOXSWA under SWASH, send an e-mail to: j.a.teroller@wisl.nl

Excerpt of existing model documentation related to FOCUS Surface Water

Berg, F. van den, P.I. Adriaanse, J.A. te Roller, 2002. Surface Water Scenarios Help (SWASH), version 1.9. User's Guide version 1.2, Alterra-rapport 507, Wageningen, the Netherlands.

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FOCUS, 2001. (Linders, J., P.I. Adriaanse, R. Allen, E. Capri, V. Gouy, J. Hollis, N. Jarvis, M. Klein, P. Lolos, W-M Maier, S. Maund, C. Pais, M.H. Russell, J-L Teixeira, S. Vizantinopoulos and D. Yon). FOCUS Surface Water Scenarios in the EU Evaluation Process under 91/414/EEC. Report of the FOCUS Working Group on Surface Water Scenarios, EC Document Reference SANCO/4802/2001, draft February 2003, 221 pp.

Roller, J.A. te, F. van den Berg, P.I. Adriaanse, 2002. Surface Water Scenarios Help (SWASH), version 1.9. Technical report version 1.2, Alterra-rapport 508, Wageningen, the Netherlands.
