

# Release Notes 2020

# MIKE SHE

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## Introduction

Welcome to MIKE SHE 2020.Update 1

In this Release Note you will find information about new features of MIKE SHE, and what you need to know in order to install and get started with Release 2020.

MIKE SHE is a modelling system for integrated catchment hydrology. MIKE SHE covers all aspects of the entire land phase of the hydrological cycle with specific strength in the dynamic interaction between surface water and sub-surface water (ground water).

## System requirements

The recommended minimum system requirements are:

Fully supported Windows operating systems *	Windows 10 Pro, version 1909 (64 bit) Windows Server 2016 Standard (64 bit) Windows Server 2019 Standard (64 bit)
Processor	x64, 2.2 GHz (or higher)
Memory (RAM)	2 GB (or higher)
Hard disk	40 GB (or higher)
Monitor	SVGA, resolution 1024x768 in 16-bit color
Graphics adapter	64 MB RAM (256 MB RAM or higher recommended), 32-bit true color
File system	NTFS
Software requirements	Microsoft .NET Framework 4.7.2 or later

- \* Fully supported operating systems are systems that have been tested in accordance with MIKE's Quality Assurance procedures and where warranty and software maintenance agreement conditions apply.

## Installation

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**DHI License Management - If you are installing on a computer or server where you will also install the license file, please also install the DHI License Manager. It must be downloaded separately.**

To install MIKE SHE, please go to the 'MIKE SHE' product folder and execute the setup.exe file either on the MIKE 2020 USB or from the downloaded, un-zipped installation files. Press the 'Install' button to begin installation.

**Important information:** Please be aware that all MIKE software on the same computer must be installed with the same service pack. This is due to the dependencies between MIKE software products and the ability for the software to use the latest feature and systems updates.

## License file and dongle

To use MIKE SHE in licensed mode, please refer to the DHI License Manager Release Notes ([License Manager Release Notes](#)).

## Product invocation

Launch 'MIKE Zero' from the Windows Start menu. Then you can select MIKE SHE from within the MIKE Zero Shell.

Starting MIKE SHE without a DHI configured hardware key and valid licence files will cause the program to run in demo mode. If this happens, a message box will inform you during program initialisation. When running in demo mode, MIKE SHE supplies full access to all editors, computational engines and editing facilities. However, restrictions apply to the setups that can be executed as a model simulation.

## Support

For general support, please refer to our [FAQ](#).

If you experience any difficulties, or if you have questions, please contact our Customer Success team by e-mail or phone:

### Customer Success

DHI A/S  
Agern Allé 5  
DK-2970 Hørsholm  
Denmark

[mike@dhigroup.com](mailto:mike@dhigroup.com)  
Tel: +45 4516 9333

You can also contact your local Customer Success team for support in your local language. You can find the list [here](#).

## New features and fixed issues

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### Release 2020 Update 1

Every new release of MIKE HYDRO consists of new modules, new features and/or corrections to problems or significant inconsistencies discovered in previous releases. Please find short descriptions of the most significant news in Release 2020 Update 1 below.

#### New features

Module/type	New feature
General	It's now possible to specify a flux boundary condition as a shapefile so that steady-state outputs of another simulation can be used as a simulation boundary.
Water quality	Decoupled MIKE 1-D advection-dispersion simulations can now be run from MIKE SHE when MIKE HYDRO River is used as the river model (previously, this was only possible when using MIKE 11).

#### Fixed issues

Module/type	Error/Inconvenience
General	Fixed errors occurring when viewing and editing dfs0-based vegetation data.
General	Fixed error with area delineation by shapefiles.

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#### New features

Module/type	New feature
General	A custom result folder now can be specified directly in the MIKE SHE GUI. Previously this could only be done in the "Launch Settings"-Dialog or when using a MZ project. This also solves a problem where the custom result folder specified in a coupled MIKE Hydro River model was overwritten by MIKE SHE.
Flow model	A new output item has been added containing the depth of the lowest phreatic surface. The existing output item has been renamed to "top" phreatic surface. This is intended for layered groundwater bodies, though the recommendation is still to have the water table in the top saturated zone layer.

#### Fixed issues

<b>Module/type</b>	<b>Error/Inconvenience</b>
Flow model	The performance of the GUI handling vegetation data from .etv files has been improved. Even with complex setups viewing and editing as well as pasting into the Crop Development Table works without any significant delay.
Python scripting	When assigning values to datasets using array slices there were special cases where the assignment did not work correctly. This has been fixed.
General	The GUI setting to use custom result units instead of default units had no effect (an extra parameter had to be used). This has been fixed.
Water quality	In the WQ engine the results for overland drainage did not get saved. The actual calculations were not affected. This has been fixed.