What is new in FOCUSPEARL 5.5.5?

The new version of FOCUSPEARL facilitates both the use of the FOCUS Groundwater scenarios and the PECSoil scenarios according to the EFSA Guidance. This version of FOCUSPEARL is the first that contains the PECSoil scenario data.

For the Groundwater Scenarios the version number of the scenario data is 5 and for the PECSoil scenarios the version number of the scenario data is 1.

Corrections
- The date of senescence and the last possible date for irrigation for onions in Thiva have been shifted from 21/05 to 21/06; the date of senescence and the last possible date for irrigation for onions in Porto have been shifted from 21/04 to 21/05.

- In line with the irrigation option for permanent crops in the soil exposure scenarios, the irrigation option for these crops in the groundwater scenarios has been changed from "Sprinkler_Weekly" to "Surface_Weekly".

- In order to harmonize the discretisation of the top layer of the soil profiles of the FOCUS Groundwater scenarios between PELMO and PEARL the first horizon of each FOCUS groundwater scenario profile is split into a layer of 1 cm with 2 mm compartments and with 1 cm compartments for the remaining part of this first horizon. In addition, the compartment thicknesses of the other (subsoil) layers of the soil profiles of the groundwater scenarios have been adjusted.

New functionalities
- The new version supports the use of multiple cores to execute the assessment. Before the start of FOCUSPEARL runs, the interface checks how many cores are available and keeps one available for other processes on the computer. All other cores are used for the distribution of the PEARL model runs of the assessment.
- The new version of the database does no longer contain the data on the physico-chemical properties of the compound. Instead, the new FOCUSPEARL version is coupled to the SPIN application to enter, edit or archive all substance data needed for a FOCUSPEARL run. The new version of FOCUSPEARL is coupled with SPIN version 3.3

Compatibility
- FOCUSPEARL version 5.5.5 has been tested on Windows 7 64 bits and Windows 10 64 bits platforms.