

PETRORISK VERSION TRACKER

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Versions 1.01 to 7.09 were developed as macro-enabled Microsoft Excel workbooks. With increasing version number, the tool was initially repeatedly updated with new functionalities and subsequently repeatedly adapted with minor improvements and corrections. The main principles developed during these PetroRisk versions have been adopted in PetroRisk version 8, and are discussed in large detail in the most recent PetroRisk Report. Corrections to the Excel worksheets and Visual Basic code of previous versions are no longer relevant, and are no longer captured in the Version Tracker.

Version 8.01 (release date 27/07/2022) is a complete overhaul of the PetroRisk Tool, developed in the [KNIME](#) environment instead of in Excel and Visual Basic. It applies, on top of the REACH Guidance approach, the main principles that were developed during previous PetroRisk versions to facilitate the implementation of the Guidance approach on complex hydrocarbon substances. Several of the Guidance methods and adopted PetroRisk principles have been further improved and corrected during the development of version 8.01. Amongst others, version 8.01 implements the most recent versions of the ECHA Guidance documents, of the SimpleTreat and SimpleBox models, and of the ESIG specific Environmental Release Categories (spERCs) that were available at the time of release. These and other improvements and corrections are explained in large detail in the most recent Concawe Report on PetroRisk (*i.e.* the PetroRisk 'Manual').

26/10/2022: The extraction of the hydrocarbon block concentrations (in the metanode 'Product Composition and DNELs' > 'Product Composition') was updated to convert integer value attributes (columns) to double value attributes.

26/10/2022: the Excel Reader node 'Open Product Lifecycle tab of Input File' (in the 'Release Estimation (before RMMs)' metanode) was limited to extracting data from columns B - D, to prevent the creation of empty attributes (columns).

08/11/2022: Made corrections to the allocation of missing compositional mass to Hydrocarbon Blocks.

In the metanode 'Product Composition & DNELs' > 'Constituent Mass Fractions' > 'Assign Orphan Masses' > 'Assign Orphan Masses', forced the starting and ending carbon number to be integer values.

In the metanode 'Product Composition & DNELs' > 'Product Composition' > 'Extract Block Concentrations', corrected the cutoff of 1% to 100% compositional coverage for allocating missing mass to hydrocarbon blocks.