

## **Installation procedure: ISRIC-WISE derived soil properties on a 5 by 5 arc-minutes global grid (ver. 1.2)**

The data set is provided in one single zip file, *WISE5by5min\_v1b.zip*. By default, it will be de-compressed (unzipped) to folder *X:\WISE5by5min*, where *X* is the actual location.

The data set includes the range of files described in Appendix 1 to 7 (see *WISE5by5min.mdb* for the corresponding data) as well as FAO-DSMW's 5 by 5 arc minute raster data (see: ...\\GRID\\smw5by5min).

Using ArcGIS® and similar, users may join the raster data to various derived soil properties as presented in the MSAccess® database. Linkage is through the map unit code or grid cell identifier (*VALUE*) of the raster set and the *SUID* (or FAO's *SNUM*) of the various soil property files (see Appendix 2 and 6).

The various files present derived soil data for five 20 cm depth layers, coded D1 to D5, to 100 cm depth, either for the dominant soil unit only (see App. 6. Method A) or as spatially dominant class (see Appendix 6, method B) of a given mapping unit. Criteria used for making the binned data sets are presented in Appendix 7 (i.e., Legends for the respective properties).

Depending on the proposed applications, users may select the appropriate data set(s) with due consideration for the issues raised in section 3.5 on 'appropriate use of the derived data'.

Methodological and technical details are provided in:

Batjes NH 2012. ISRIC-WISE global data set of derived soil properties on a 5 by 5 arc-minutes grid (ver. 1.2). Report 2012/01, ISRIC – World Soil Information, Wageningen (with data set, available at <http://www.isric.org>)

*Release date: 29 Feb. 2012*