

## Explanation of the downloadable graphic file (\*.png, \*.pdf)

- The name of the downloadable graphic files follows the pattern SiAl\_YY\_XRF\_NN\_MMM\_dpi.

Thereby stand

SiAl for the ratio Si/Al,

YY for the sampling medium

Ap: arable land soils

Gr: pasture land soils,

XRF for the analytical method used for the determination of the contents of Si (silicon) and Al (aluminium)

XRF: X-ray fluorescence analysis,

NN for the number of displayed levels (7 or 72) and

MMM for the graphic resolution of the file.

- The scale of the full size maps is 1:25 000 000.

## Explanation of the ESRI-Shapefiles

- All shapefiles are combined in one ZIP file.
- The naming of the shapefiles within the ZIP file follows the same pattern as the naming of the graphic files, whereby the specification of the graphic resolution is omitted, of course.
- The spatial resolution of the shapefiles is 1:20 000 000, derived from the sampling density of one sample per 2 500 km<sup>2</sup>. The shapefiles are unsuitable for display at larger scales (e.g. 1:1 000 000). The smallest significantly assessable object size is about 50 x 50 km.
- The coordinate reference system of the shapefiles is EPSG:3035 (ESRI: ETRS\_1989\_LAEA). Further information can be found at <https://epsg.io/3035>.
- The attribute tables of the shapefiles include the fields GRIDCODE (format integer) and CLASSLIMIT (format string, length 75). The field GRIDCODE contains the (numeric) class number of the corresponding area; the field CLASSLIMIT contains the corresponding value range.