**Readme** for rawdata of the article „Carbon content and other soil properties of near-surface peats before and after peatland restoration“

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General description:

In contrast to the text, commas are used as decimal separators in all tables of the raw data.

Additional remark: The CSV files use ISO-8859-1 (Latin 1) encoding for text.

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Table: Statistics\_R\_Stechlin\_final.csv

|  |  |  |  |
| --- | --- | --- | --- |
| parameter | unit | datatype | description |
| site\_number | - | number (integer) | specific number for each site (site code) |
| site | - | string | site name |
| sampling | - | number (integer) | sampling intervall number (intervall code) |
| sampling\_1 | - | string | sampling intervall |
| site\_number\_sampling | - | number (integer) | code for site and sampling intervall first number: site code second number: intervall code |
| profile | - | string | code of specific sampling point |
| new\_peat | cm | number (integer) | thickness of new peat above old surface layer |
| TOC | % | number (numeric) | total organic carbon content |
| CN | - | number (numeric) | ratio of TOC/TN |
| TN | % | number (numeric) | total nitrogen content |
| pH | - | number (numeric) | pH-value |
| DBD | g/cm³ | number (numeric) | dry bulk density |

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Table: peat\_old\_new.csv

|  |  |  |  |
| --- | --- | --- | --- |
| parameter | unit | datatype | description |
| site\_number | - | number (integer) | specific number for each site (site code) |
| site | - | string | site name |
| old\_new\_peat | - | string | new – new peat above old topsoil old – old topsoil layer |
| old\_new\_number | - | number (integer) | 1 – new peat above old topsoil 2 – old topsoil layer |
| site\_number\_old\_new | - | number (integer) | code for site and new/old peat first number: site\_number second number: old\_new\_number |
| profile | - | string | code of specific sampling point |
| thickness\_new | cm | number (integer) | thickness of new peat above old surface layer |
| TOC | % | number (numeric) | total organic carbon content |
| CN | - | number (numeric) | Ratio of TOC/TN |
| TN | % | number (numeric) | total nitrogen content |
| pH | - | number (numeric) | pH-value |
| DBD | g/cm³ | number (numeric) | dry bulk density |

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Table: Statistics\_waterlevel.csv

|  |  |  |  |
| --- | --- | --- | --- |
| parameter | unit | datatype | description |
| month | - | date | date of waterlevel measurement |
| site\_number | - | number (integer) | specific number for each site (site code) |
| site | - | string | site name |
| waterlevel | cm | number (numeric) | water level related to surface („-„ below surface, „ „ above surface) |

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Table: statistics-differences-sampling.csv

|  |  |  |  |
| --- | --- | --- | --- |
| parameter | unit | datatype | description |
| site | - | number (integer) | specific number for each site (site code) |
| Site\_name | - | string | site name |
| TOC | % | number (numeric) | differences between first sampling and second sampling period of total organic carbon content |
| CN | - | number (numeric) | differences between first sampling and second sampling period of ratio of TOC/TN |
| TN | % | number (numeric) | differences between first sampling and second sampling period of total nitrogen content |
| pH | - | number (numeric) | differences between first sampling and second sampling period of pH-value |
| DBD | g/cm³ | number (numeric) | differences between first sampling and second sampling period of dry bulk density |