

Replication Dataset for

Sample size requirements for riverbank macrolitter characterization

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Table of contents of the replication dataset:

- **01_Database**
The dataset consists of 16,488 items and their river-OSPAR category (see appendix C), including collection date and place. For 14,052 items the length, width and mass are documented. For very uniform items or items lighter than 0.1 gram, the bulk weight and average size was taken, which is indicated by “measured together” in the database. In addition, any additional comments regarding items particularities are listed.
- **02_Appendix A: Summarizing statistics**
The summarizing statistics of each litter category, including total amount of items, and mean and standard deviation of the mass, length and width.
- **03_Appendix B: riverbank area**
The sampled width, length and area of the riverbank during each field activity (8 locations, including coordinates, 12 months).
- **04_Appendix C: riverbank tally form**
Field tally form using an OSPAR-ID to identify 111 item categories.
- **05_Appendix D: translation table**
A ‘translation table’ to translate the River-OSPAR categories to other often used categorization systems. In this way, our dataset can be used by researchers who prefer working with other categorization system.
- **06_Appendix I: sample size requirements**
Sample size requirements for all categories in our database with more than 10 items. Requirements are given for various confidence boundaries and deviations from mean. Red numbers indicate that the number of items needed to represent the mean mass is equal to the total number of items collected. Black fill indicates that this level of uncertainty (confidence boundary and deviation from mean) is never reached, and more items need to be collected.