

SUMMARY COMMENTS AND STATUS OF HORIZONTAL DS 17-1 DM_LOI

RECOMMENDATIONS FROM THE STEERING COMMITTEE

The Steering Committee **agreed to proceed to Phase II**. Particular attention should be paid to the possibility of using these methods also for dredged sediments and to determining a proxy for organic matter content.

SUMMARY OF COMMENTS

HORIZONTAL DESK STUDY 17-1. DRY MATTER AND LOSS ON IGNITION

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Summary

The desk study included an evaluation of the possibilities of harmonizing standards for dry matter and loss on ignition and prepares horizontal standards in regard to sludge, soil and biowaste.

Dry matter

The detailed comparison of standards for the determination of dry matter demonstrates the possibility of preparing a harmonised and horizontal standard for sediment, sludge, soil, and biowaste (growing media and soil improvers). The horizontal standard may replace the following standards: sludge (EN 12880:2000), soil (ISO 11465:1993) and biowaste (EN 13040:1999), the later only in respect to the determination of dry matter. It is proposed to include sediment in the scope of the standard. Waste can be included, however excluding samples of high content of volatile substances. Waste may be considered depending on availability of samples for validation.

The comparison shows that the present standards differ mainly in regard to terminology, which needs harmonisation, and in regard to the applied drying temperature interval. The use of the term “dry matter” is proposed. Clarification of the use of the term biowaste is needed, as there is a demand for a change to the use of the terms growing media and soil improvers. May be a general issue.

The draft standard on DM is largely endorsed according to the comments received as presented in the Table below.

Loss on ignition

The detailed comparison of standards for the determination of loss on ignition demonstrates the possibility of preparing a harmonised and horizontal standard for

sediment, sludge, soil, and waste. The horizontal standard may replace the standard for sludge (EN 12879:2000). However, given the temperature proposed (550 ± 25) °C it cannot replace the EN 13040:1999, Soil improvers and growing media – Determination of organic matter content and ash, which prescribe a temperature of 450 °C. Preparation of a horizontal standard is dependent on a choice in respect to temperature and on investigation of the implications to harmonise the temperatures.

The draft standard on LOI is largely endorsed according to the comments received as presented in the Table below.

It is proposed that the standard on DM as well as the standard on LOI are subject to interlaboratory comparison on the samples being prepared for other parameters within the project Horizontal.