

SOPHIE

Draft Basic Development Agenda

G. Bakker, M. van der Ploeg



Basic Development Agenda (BD-Agenda)

To structure the work of SOPHIE

OGSM (what to reach):

BD-agenda ready in 2019, written in collaboration with active members (**now!**)

Requirements BD-Agenda (more detail, more concrete about the how):

1. Based upon objective and goals of SOPHIE (long term)
2. Covers all EU-wide agreed HIS-subjects for field & lab:
 - a. Harmonisation (International agreement on comparability of measurements and/or output parameters)
 - b. Innovation (cost-effective)
 - c. Standardisation (accepted work instructions for preferred methods)
3. Clear work structure: focus, clarity, collaborative, priority agreement
4. Based upon Brussels 2017-meeting (short term-3 years)

4. Short term Agenda: agreed in Brussels 2017 to be incorporated in the long term BD-Agenda

- Three focus parameters (field & Laboratory):
 - Particle size distribution (texture)
 - Density
 - Structure (methodologies)
- Development of Reference Samples for inter- and single-lab comparison for water retention determination:
 - Undisturbed samples (Ghent University: wet range)
 - Disturbed samples (WEPAL: dry range)

Proposal Basic Development Agenda

- Harmonisation -

1. Make an inventory of the Standards used and known within the group members.

2. Set the Baseline situation:

- a) Make an overview of the desired output parameters
- b) Without adjusting its contents, select from the inventory a Golden, Silver and Bronze standard per desired parameter for **lab use** and **field use**

3. Suggestions to improve the Baseline situation:

- a) Determine bottlenecks
- b) Possible improvements

4. Put the outcome of 2-3 on the SOPHIE website, and in a review paper, with version number, date, signatures of representatives that underline the choices, bottle necks, and improvement proposals.



*Dike breakthrough Wilnis Netherlands,
2003*

Proposal Basic Development Agenda - Innovation -

Use the inventories of Harmonisation and Standardisation to derive the

most urgent Innovation subjects:

1. Create a database with project ideas for Innovation for engineers, students, PhD's, and others. Proposals need to be collaborative and should serve SOPHIE's objective. Idea should be as concrete as possible.
2. How to set priorities to project idea's from a SOPHIE's point of view. Put priorities online.

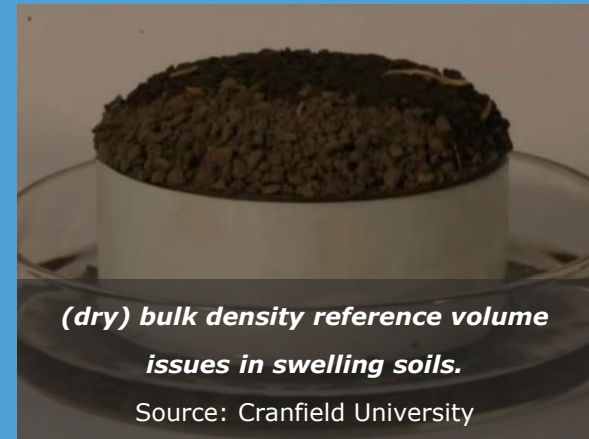


Proposal Basic Development Agenda

- Standardisation -

Use the inventory of Harmonisation to standardise the procedures:

1. Assign in general agreement the time needed per standard (no costs) to come to time/cost-efficiency rating
2. Put the standard contents on the SOPHIE website (or only specialties with respect to ISO or other copyrighted standards)
3. Discuss the bottlenecks of Harmonisation and improve the contents per Standard
4. Discuss these with Harmonisation



Thank you

If interested, you can register at the SOPHIE webpage:



<https://www.wur.nl/en/article/Soil-Program-on-Hydro-Physics-via-International-Engagement-SOPHIE.htm>