

BOOK THESE DATES

BEST – Durability of geo-constructions containing stabilised/solidified contaminated soils or sediments

Workshop, Stockholm, 9-10th September 2014

There is a great interest in using new technologies such as the stabilisation/solidification method for sustainable handling of contaminated soils and sediments in constructions, e.g. in geo-constructions for new port areas.

Durability is a key issue in such constructions, especially due to the use of treated contaminated soils/sediments. The practice of durability is limited to traditional construction materials and a technical lifetime of 40 – 120 years. Applying an environmental perspective makes durability more complicated. One important durability issue is the choice of a correct “end of life” time perspective and fate of the construction. Additionally, the outcome of a combined technical and environmental assessment of durability could give different results from case to case. Today this presents a situation with difficult decisions for stakeholders, the construction industry and environmental authorities.

This academic workshop has a wide approach to the durability of stabilised/solidified soil/sediment and aims to identify both environmental and geotechnical factors influencing the durability on micro up to macro scale. During the workshop these influencing factors and their importance will be discussed and based upon the results a list of priorities shall be established. An initial study of one (or two) of the highest priority factors will then be made. An additional outcome of the workshop will be to identify topics for further research and also hopefully take the first steps in co-operations and R&D proposals.

We welcome experts on the durability of stabilised/solidified contaminated soils and sediments in geo-constructions or similar materials (e.g. concrete) to participate and contribute. Testing methods incl. accelerated testing methods and the durability of micro (chemical) scales are especially of interest.

The Swedish Geotechnical Institute (SGI) and Luleå University of Technology (LTU) are pleased to arrange a two-day workshop on the 9-10th September, 2014 in Stockholm. Please register any eventual interest in enrolling by returning this e-mail at your earliest convenience, however no later than the 5th of June 2014, to Josef Mácsik, LTU/Ecoloop, josef.macsik@ecoloop.se.

Feel free to forward this invitation to any colleagues who may be interested in participating but do note that the number of participants is limited.

For further information please contact:

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Josef Mácsik, LTU/Ecoloop, josef.macsik@ecoloop.se.

For practical issues please contact Sandra Frosth, sandra.frosth@ecoloop.se