Deltares GHENT UNIVERSITY TU Delft

Workshop proposal for online meeting EWG-IE 2020

Internal erosion at the field scale

Thursday February 4th, 2021

4.00-7.00 pm CET

We are pleased to announce an online meeting for the European Working Group on Internal Erosion with the theme 'Internal erosion at the field scale'. Research that is conducted in the field of internal erosion is intended to investigate the erosion mechanisms that control the performance of dams and levees in practice. Often this research is conducted at small scale in the laboratory. Working on the field scale raises challenges that are different from those at the lab-scale, such as extrapolation of laboratory results to larger scales, effects of heterogeneity on the processes, monitoring the processes and generalizing results from a limited number of field tests to broader application.

Investigations at the field scale bring researchers, consultants and levee and dam owners together, as the issues that arise require a combination of the knowledge and experience of all parties. The aim of this workshop is to exchange experiences among all involved parties by evaluating the erosion phenomenon at the field scale.

Internal erosion at the field scale is a broad topic: we welcome contributions related to all types of internal erosion in the following categories:

- Large-scale (field) tests on internal erosion
- Field application of (emergency) countermeasures and mitigation
- Case studies and internal erosion risk assessment
- Internal erosion measurement and monitoring

The workshop will be structured by the main internal erosion mechanisms, each part consisting of a presentation round, followed by a general discussion.

One-page abstracts can be submitted to vera.vanbeek@deltares.nl until the 15th of January.

The date for the workshop is Thursday 4th of February, 4-7 pm (CET). About a week before the online conference, you will be informed about the detailed program and a link to join the Meeting will be sent.

Vera van Beek, Esther Rosenbrand and André Koelewijn
Deltares, Delft, The Netherlands

Adam Bezuijen
Ghent University, Ghent, Belgium

Joost Pol and Juan Pablo Aguilar López
Delft University of Technology, Delft, The Netherlands