

BIG webinarium – 2021-05-21- TORV  
Utdrag ur Chat

[12:13] Minna Karstunen (Gäst)

how representative is a stiff plate of embankment?

[12:26] Edstam, Torbjörn (Gäst)

Scale-effects...?

[12:27] Per Gunnvard (Gäst)

Är det en plexiglasskiva ni använt på framsidan av lådan? Hur förhindrar man mattning av glaset vid försök med korniga jordar?

[12:31] Jelke Dijkstra (Guest) (Gäst)

Garnier, J., Gaudin, C., Springman, S. M., Culligan, P. J., Goodings, D., König, D., ... & Thorel, L. (2007). Catalogue of scaling laws and similitude questions in geotechnical centrifuge modelling. *International Journal of Physical Modelling in Geotechnics*, 7(3), 01-23.  
(1 har gillat)

[12:31] Niklas Strandberg (Gäst)

Finns de tecken på att naturliga gasbildning i torv påverka torvens parametrar?

[12:35] Minna Karstunen (Gäst)

Are there any measurements of embankment construction on peat (i.e. vertical and horizontal movements) as a function of time? I think those would most relevant.

[12:36] Edstam, Torbjörn (Gäst)

Evert den Haan (Deltares) did (still does?) a lot of research on peat

[12:36] David Gaharia (Gäst)

Försöket är ungefär gjord på en 2D-slice av jorden. Finns anledning att tro att beteendet blir annorlunda vid tre dimensioner?

[12:37] Jelke Dijkstra (Guest) (Gäst)

Evert den Haan is not active anymore

[12:37] Edstam, Torbjörn (Gäst)

OK

[12:37] Jelke Dijkstra (Guest) (Gäst)

we had a student in Delft doing simple shear + PIV with Evert  
(Noel Boylan did the. same)

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[12:39] Edstam, Torbjörn (Gäst)

There was a full-scale test on a dike some 10-15 years ago...?

[12:39] Jelke Dijkstra (Guest) (Gäst)  
yeah IJkdijk

[12:39] Jelke Dijkstra (Guest) (Gäst)  
Cor Zwanenburg (who is in the reference group) is doing a lot

[12:39] Jelke Dijkstra (Guest) (Gäst)  
with that (also from Deltares)

[12:40] Minna Karstunen (Gäst)

But Duchth as looking at failure of flood emabnkments

[12:40] Jelke Dijkstra (Guest) (Gäst)  
(indeed)

[12:40] Minna Karstunen (Gäst)

we need to think of roads that should not fail

[12:40] Minna Karstunen (Gäst)

And experiments like this give little for stiffness

[12:42] Rådberg Jacob, Solna (Gäst)

Hur ser tidsberoendet ut, odränerat dränerat?

[12:43] Edstam, Torbjörn (Gäst)  
As far as I remember Eric den Haan had to use "very unconventional" strenght parameter values when back-calculating his full-scale tests

[12:44] Jelke Dijkstra (Guest) (Gäst)  
yeah ..., I didn't say it was easy :D