

## Geotechnical earthwork assets in a changing climate: Modelling long-term clay cut slope deterioration

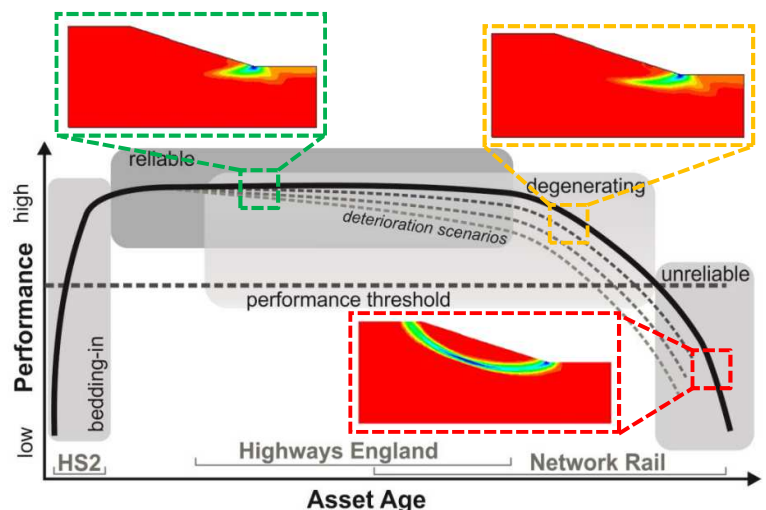
### Dr. Harry Postill

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#### Seminar overview:

Infrastructure earthworks deteriorate with time and have been described as an asset time-bomb. Failures lead to delays and disruption across our transportation network. But how will failure rates change in the future due to climate change? How can we intervene and prolong the operational life of our infrastructure earthworks? This seminar presents numerical modelling developed to consider these questions.



Generalised deterioration model for transport earthworks  
(after Glendinning, *et al.*, 2015)

#### Biography:

Dr. Harry Postill obtained his undergraduate degree and PhD from Loughborough University, and has continued his research as a member of EPSRC research programme ACHILLES. Harry's research focuses on numerical modelling of long-term geotechnical assets to better understand deterioration mechanisms and the implications of climate change and maintenance on these assets. In March 2019 Harry won the 50<sup>th</sup> Cooling Prize Competition for his work looking at clay cut slope deterioration, climate change and maintenance.

#### When and where:

Wednesday, 16 Oct, 19:00

McCrum LT, Corpus Christi College

#### Queries:

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