

# ENGINEERING GROUP LECTURE



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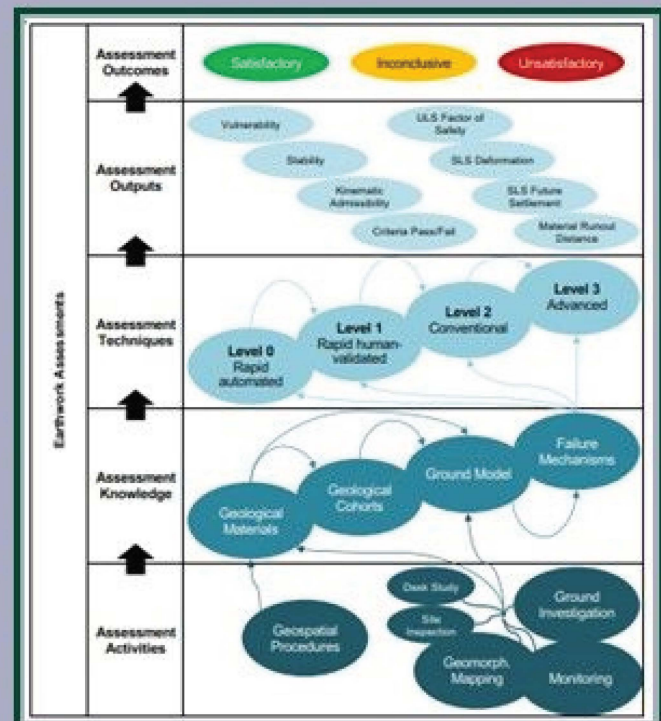


## Network Rail Earthworks Evaluations and Assessments (NR/L2/CIV/086)

### SYNOPSIS

Network Rail own and operate the rail network of Great Britain, which includes nearly 200,000 earthworks. A key management action for such a large and geologically diverse portfolio, following the evaluation of all available information, is the assessment of the fundamental stability of cutting slopes and load carrying capacity of embankments and natural ground beneath the rail corridor. In June 2024, Network Rail released updates to their key modules for earthworks evaluation and assessment, within the CIV/086 Management of Earthworks standard. The procedures set out in these new modules will be described and the fundamental importance of engineering geology and thorough understanding of potential failure mechanisms to the evaluation and assessment framework will be demonstrated.

This EGGs lecture will be of interest to those undertaking assessment of existing earthworks for any infrastructure owner but will be particularly useful for those carrying out such a task for Network Rail.



### BIO

**Simon Abbott**, (Network Rail) is the Professional Head of Earthworks for Network Rail and is an Engineering Geologist with over 20 years' experience.

**Michael Edwards**, (Network Rail) is a Principal Engineer in the Technical Authority at Network Rail with over 15 years' experience.

**Christopher Power**, (Mott MacDonald) is a Technical Director in the Civils Asset Management team of Mott MacDonald with over 25 years' experience.

**Verity Wadesmith**, (Mott MacDonald) is a Senior Principal Engineer in the Civils Asset Management team of Mott MacDonald with 20 years' experience.

### JOINING INSTRUCTIONS

Venue: Hybrid event – in-person at Burlington House and online via webinar (link to follow)

Date: Wednesday 08<sup>th</sup> January 2025

Time: Tea/coffee at 17:30 followed by 18:00 start

Convener: Tom Hunt (Tom.Hunt2@atkinsrelais.com)

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