



PERIGLACIAL GEOHAZARDS IN THE UK, THEIR OCCURRENCE, MONITORING AND MITIGATION

Tom Berry, Jacobs

Evening Meeting, Wednesday 19th February 2020

Meet from 6.00pm, talk at 6.30pm

Almost all areas of the UK have been affected by periglaciation during the Quaternary and relict periglacial geohazards can provide a significant technical and commercial risk for many civil engineering projects. The processes and products associated with periglaciation in the relict periglacial landscape of the UK are described in terms of their nature and distribution, the hazards they pose to engineering projects, and how they might be monitored and mitigated. A periglacial landsystems classification is applied to show its application to the assessment of ground engineering hazards within upland and lowland periglacial terrains. Techniques for the early identification of the susceptibility of a site to periglacial geohazards are discussed. Descriptions of periglacial geohazards and how they might impact engineering works are presented, along with suggestions for possible monitoring and remediation strategies.

Tom Berry is Head of Discipline for Engineering Geology in Jacobs tunnelling ground engineering team. His experience centres around the development of ground models to understand and manage geohazard risk in a range of underground, onshore and offshore environments around the world. He is co-author, with Dr Paul Fish, Dr Simon Price and Dr Neill Hadlow, of a chapter on periglacial geohazards in the Geological Society Special Publication, *Geological Hazards in The UK: their Occurrence, Monitoring and Mitigation*, which will be published in 2020.



Venue

The Adelphi Hotel, 3-5 Hunslet Road, Leeds LS10 1JQ

Next meetings:

- TBC



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