

WGCG evening talk Thursday 10<sup>th</sup> April 2025 at 7.30pm  
at St Francis' Church Hall, Kenilworth and on Zoom

## The Triassic of Warwickshire

Presented by Joe Mazgajczyk and Kieren Quigley



Kieren and Joe will provide an overview of part of the geological succession of the Triassic geology comprising the Helsby Sandstone Formation (Sherwood Sandstone Group) and the formations of the Mercia Mudstone Group relevant to the Warwickshire region.

During the talk we will set the scene during the Triassic, discussing its geological age, high level depositional environments and present day distribution.

We will provide findings from recent field trips and cover the following information for the different formations:  
What does it look like?                      Characterisation challenges.                      Key ground-borne engineering hazards.

**Joe Mazgajczyk** graduated from University of Portsmouth with Geology BSc (2011) and Engineering Geology MSc (2012) and joined Mott MacDonald soon after in 2012. Joe is a senior geotechnical engineer at Mott MacDonald, where he has gained extensive experience of geotechnical engineering, engineering geology and contaminated land disciplines whilst working on projects such as Midland Metro, A417 'missing link' and most recently, High Speed 2 (HS2) where he has worked on the design stages of the northern section of HS2 since 2018 and is now supporting construction in Birmingham. Joe is Fellow of the Geological Society and a Chartered Geologist.

**Kieren Quigley** has worked for twelve years as an Engineering Geologist at Mott MacDonald primarily on hydropower, nuclear, and rail infrastructure projects with expertise in slope stability and tunnelling. Over the last five years, Kieren has studied the geomechanical properties of the Mercia Mudstone Group and other Triassic geologies for HS2 and as a potential host rock for deep disposal of nuclear waste. These studies included experimental swelling tests undertaken with the British Geological Survey and field trips to Triassic coastal exposures in Devon and Somerset.