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**The Trias Argilo-Gréseux Inferieur, Berkine Basin, Algeria:
lithologies, interpretation and application from core**

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This poster will use core material from the Trias Argilo-Gréseux Inférieur of the Berkine Basin, Algeria to document the key lithofacies present in this important hydrocarbon-bearing interval, their petrophysical and reservoir properties and also how the core data have been utilised. It will be arranged in three key sections:

1) Core Observations and Interpretation; 2) Characterisation; 3) Application. The primary aim of the poster is to objectively illustrate the nature of the TAGI interval and act as focus for discussion.

- 1) Core Observations and Interpretation: a clear distinction will be made between observation and interpretation. Key aspects of the TAGI that help constrain reservoir architecture will be emphasised. Spatial variability in the character of the TAGI will be illustrated and discussed in the context of depositional models and appropriate analogues.
- 2) Characterisation: petrophysical and reservoir properties, together with their relationship to litho and sedimentary facies will be discussed. Particular attention will be paid to quantifying the relationship, and in predicting properties away from core control.
- 3) Application: ways in which core has been integrated with other data types and applied to both exploration and reservoir management issues will be illustrated.