

William Smith Meeting 2014

The Future of Sequence Stratigraphy: Evolution or Revolution?

22-23 September 2014

The Geological Society, Burlington House



This meeting is intended to bring together a diverse range of sedimentary geologists to foster a critical examination of the current state of the sequence stratigraphic model, and to highlight robust new methods, concepts and protocols that could evolve or maybe even potentially revolutionize stratigraphic understanding and prediction.

Developments in this area seem likely to come from a combination of outcrop, geostatistical/stochastic approaches, physical experiments including large flume tank studies, and numerical approaches to the modelling of erosion-transport-depositional systems, all under the umbrella of the Landscape Into Rock concept. However, we will also encourage presentation of brand-new innovative methods, including cross-disciplinary methods that bring in ideas from other branches of science.

The meeting will be organized into a series of themed sessions, with an emphasis on provocative but practical presentations. Presentations will be scheduled to ensure there is plenty of time to debate all the issues raised in the meeting. In a final session, the conveners will chair a discussion targeted at achieving a consensus view on how the subject should move forward.

Conference Sessions:

- Does sequence stratigraphy provide testable predictions?
- Are the assumptions in the sequence stratigraphic model still valid?
- Varying Earth surface systems through time and the consequences for sequence stratigraphic prediction
- Sediment routing and variable sediment supply: do these fundamentally change the model?
- The consequences of non-uniqueness for interpretation and prediction
- What next for sequence stratigraphy? Evolution or revolution?

Confirmed Keynote Speakers:

Ron Steel (University of Texas & University of Aberdeen) *William Smith lecture*

Henry Posamentier (Chevron) *Does sequence stratigraphy provide testable predictions?*

Andrew Miall (University of Toronto) *Are the sequence stratigraphic model assumptions still valid?*

Mike Gurnis (Caltech) *Is there a stable reference point for eustatic curve construction?*

Tetsuji Muto (University of Nagasaki) *The consequences of non-uniqueness for sequence stratigraphy*

Convenors:

Professor Peter Burgess (Royal Holloway University London)
Professor Philip Allen (Imperial College London)
Professor Paul Wright (PWGC Ltd)

Further information:

For further information about the conference please contact:
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