




# W023: North Sea Reservoirs Series - Tertiary Reservoirs: A Source to Sink Overview including Deposition and Injection

Instructor(s): Peter Haughton & Andrew Hurst

1 Day	Competence Level: Skilled
 Virtual Course	

## Summary

As the North Sea becomes more mature, more forensic geoscience workflows are required to add value. This is true for the Tertiary of the North Sea, where injectites and other stratigraphic traps are still being explored. Fundamental knowledge regarding Tertiary depositional environments and the mechanics of injection will be shared by integrating core, well and seismic data with classic outcrop analogues. Although the workshops are organised through the lens of reservoir geology, other petroleum systems elements will be discussed.

## Learning Outcomes

Participants will learn how to:

1. Interpret the various depositional settings of the Tertiary of the North Sea, and understand the range of facies within turbidite systems more widely.
2. Build their knowledge of the process of sand injection and understand the potential challenges and attractions of injectite reservoirs.
3. Recognise both the uses and abuses of the sequence stratigraphic method in turbidite systems.

## Duration and Training Method

This course has been designed to be delivered as a short but impactful learning experience over one day. These North Sea workshops can also be delivered via staggered webinars across a number of days (depending on the client's preferred delivery mode).

## Who Should Attend

This course will benefit any subsurface professional working on the Tertiary play in the North Sea or the West of Britain. The course is aimed primarily at geologists but geophysicists and reservoir engineers will also benefit from a deeper understanding of this reservoir type.

## Course Content

The one day webinar format will be divided into 4 sessions:

- Session 1: Play based overview and key play characteristics.
- Session 2: A process to product view of depositional environments and facies using core wireline, seismic and virtual outcrops.
- Session 3: Injected reservoirs from exploration to reservoir characterisation using core wireline, seismic and virtual outcrops.
- Session 4: North Sea Tertiary Reservoirs Overview.
- Conclusions: Take home messages and a look to the future.