DESCRIPTION

The Norwegian Continental Shelf (NCS), focus of this special publication, is a prolific hydrocarbon region and both exploration and production activity remains high to this day with a positive production outlook. A key element today and in the future is to couple technological developments to improving our understanding of specific geological situations. The theme of the publication reflects the immense efforts made by all industry operators and their academic partners on the NCS to understand in detail the structural setting, sedimentology and stratigraphy of the hydrocarbon bearing units and their source and seal. The papers cover a wide spectrum of depositional environments ranging from alluvial fans to deepwater fans, in almost every climate type from arid through humid to glacial, and in a variety of tectonic settings. Special attention is given to the integration of both analogue studies and process-based models with the insights gained from extensive subsurface datasets.

ABOUT THE AUTHOR

Allard W. Martinius works for Statoil R&D with additional experience from technical service (production and exploration) as well as field development. His main interests are in clastic sedimentology and stratigraphy of fluvial and shallow marine systems, fauna-substrate relationships, and static and dynamic reservoir characterization for hydrocarbon production.
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Jonathan P. Wonham graduated from Imperial College, London and the University of Liverpool (Ph.D.) and now works for Total in France. He has 25 years of experience as a sedimentologist/petroleum geologist covering the fields of research, development and exploration geology, especially focusing on the North Sea. His publications focus on reservoir evaluation oriented aspects of sequence stratigraphy, tidal deposition, turbidites and mixed siliciclastic-carbonate systems.

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