

General Theme 6

6.9

The Arctic is the last area with significant conventional hydrocarbon potential to be explored and developed. A report by the United States Geological Survey indicates conventional reserves of over 90 billion barrels of oil, 44 billion barrels of natural gas liquids and 1670 trillion cubic feet of natural gas. Late Proterozoic to Phanerozoic sedimentary basins record a complex history of global sea level evolution, the opening and closure of ancient oceans and major global environmental changes all of which have not only controlled the nature of the sedimentary accumulations but also impacted on the economic potential of these basins.

This special session will focus on the understanding of the tectonostratigraphic evolution of Late Proterozoic - Phanerozoic Arctic basins and their hydrocarbon systems. Contributions on the metallogenic significance of these basins are also welcomed.