



Expressions of fluid flow and near surface process on Tromsøflaket, Barents Sea: First products from the Mareano-programme

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The multi-disciplinary MAREANO-programme (Marine areal database for Norwegian coastal and ocean areas) is aimed to establish a detailed database of geological, biological and environmental status along the Norwegian offshore. One of the products from the project will be a detailed morphological map of the seafloor, showing all the main features and their relation to subsurface processes. In this study, we present features identified along the first multi-beam survey area on Tromsøflaket, southern Barents Sea, mapped in November 2005. We have interpreted pockmarks and other expressions of fluid flow on the seafloor, and analyzed the occurrence of these features in relation to gas hydrate stability.