



## **Ocean Circulation and Transport between the North Atlantic and Arctic Sea — status report 2005**

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The OCTAS project is a multidisciplinary approach to determine the mean dynamic sea surface topography (MDT) in the Fram Strait and adjacent seas. This will serve as input to ocean circulation and transport studies in the polar region. Improved determination of MDT will allow assessment of its impact on circulation studies and associated climate modelling. We report results of efforts to obtain new air-borne gravity data supported by GPS and subsequent derivation of a regional high accuracy gravimetric geoid. Mean sea surfaces from satellite altimetry and mean dynamic topography from climatology and hydrography are under development. A preliminary assessment of these data sets have been made and techniques are being developed to optimally estimate quantities in an integrated approach.