A Parametric Representation to Integrate Current Observations into the Estimation of the Mean Dynamic Topography

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Recommendations: Brockmann et al.

Our research interest: Joint estimation of geoid and dynamic ocean topography from along-track sea surface heights and complementary data

1. **Improved high resolution input data**
   - availability of surface currents (independent of SSH) to be linked to the DOT (SKIM, Doppler SAR) => supports separation of SSH
   - improved quality of the Doppler SAR derived RVL Sentinel-1 products => very promising data set
   - products to reduce the ageostrophic constitutes required
   - altimetry for coast: along-track multi-mission altimetry (conventional, Delay Doppler and wide-swath altimetry)

2. **Improved methodology**
   - joint estimation of geoid and DOT => stochastic data sets
   - improved analysis of higher frequency signals (e.g. eddies)