

Project: **964**

Project title: **Detectability of non-tidal ocean signals in Earth's magnetic field (OceanMag)**

Project lead: **Jan Saynisch**

Report period: **2018-01-01 to 2018-12-31**

2018 was a very productive third project year. Electromagnetic characteristics of ENSO was estimated and reported (Petereit et al. 2018). Studies that should help to detect electromagnetic signals from ocean currents from space were published (Irrgang et al, 2018, Saynisch et al., 2018). In addition, the errors of tidal models were characterized from the electromagnetic point of view. Most important, a second project phase was proposed, evaluated by the DFG and the project was extended for another 3 years.