

Science II: Large Scale Ocean Circulation Variability and Change

1. Large and meso scales interact, but mesoscale is dissipated at submesoscale. How to investigate the multi-scale dynamics ? (OSTST – SWOT)
2. How do we connect coastal and open ocean sea-level variabilities/trends/processes ?
 1. How to improve gridded altimetric products ? (dynamical or statistical models driven by SLA data ?)
 2. What can advanced statistical techniques teach us about ocean dynamics from sea-level ?
 1. How to improve altimetric products with in-situ observations (including new ones e.g. deep Argo) ? How can we best use sea-level to estimate subsurface properties (transports, temperature distribution, mode water features, etc) ?
 2. How do we best use sea-level to close oceanic-atmospheric (heat, freshwater, momentum) budgets and study air-sea interactions ?
 3. Meso/large-scale sea-level fluctuations have a stochastic character at weekly to multidecadal timescales (including trends). How to disentangle forced and chaotic components ? (detection/attribution)
4. How can our community better interact with the climate modelling community (CMIP) ?

Please come to the registration desk to receive your admission band for the banquet.