

The future: Science questions beyond ORCHESTRA and RoSES

The ongoing science questions:

- Synthesis and communication of ORCHESTRA/RoSES results
- Air-sea flux observations and reanalysis uncertainty
- MOC variability and CO₂ exchange
- Role of submesoscale processes in subduction
- Climate model SO biases and stability
- Integration of ocean and atmospheric observations
- Sea-ice, ice-shelf, ocean and atmosphere interactions/feedbacks
- Developing an integrated, national/international observing system to serve community goals

...being mindful of:

- Uncertainty in what will happen to LTSMs in 2021 and associated calls
- One polar ship operations and uncertainty in future SME/programming model
- Increasing focus on autonomous data collection
- Long term monitoring commitments
- International commitments (e.g. GO-SHIP, SOOS science plan etc.)
- Ongoing projects (e.g. UK-ESM, MetOffice climate modelling)
- NERC – external coordination & collaboration

