

SO13: Improving observation and prediction systems: Fostering and coordinating the development of emerging areas and new ocean monitoring, modelling and assimilation components to improve ocean forecasting and observing systems for both operational implementation and research (including physical, biogeochemical, and biological/ecological observations)

- **Modelling and assimilation:**
 - Make datasets and examples etc available for modelling and assimilation components (i.e. on edito)
 - Provide info and training in AI (through OP summer school, paper sharing, etc)
- **Ocean Monitoring:**
 - Smart observing systems, AI route planning, OSSE style-AI approaches
 - AI for obs gap filling, reanalysis
 - AI allows for uptake of yet unused data types (esp in BGC/ecosystem - increased number of obs)
- **Fostering/coordinating:**
 - Strengthen coordination between observing system experts, modelling teams, data assimilation specialists, and operational centres to accelerate integration of emerging technologies
 - Improve awareness of data – CMEMS etc
 - Collaborate with industry - especially re obtaining more (potentially low quality) obs
 - Provide a platform for multi-model forecasts