PMG meeting (online) - 2 pm - 13/9/2022

Attending: Jesse van der Grient, Paul Brickle, Paul Brewin, Al Baylis, Will White, Simon Morley, James Bates

Agenda

1. Progress update

An update was given on the progress made within the project. The literature review has been done, and a quick overview about the aim of the review and focus was given. The literature review has been sent round the group after the meeting for feedback (feedback by 30th September). An update on the physiology has been given. A show and tell (through photos) about the system and the animals that are currently being tested for respiration and some preliminary data was shown. Further work that is planned has been indicated (different species, additional squid spawning season, etc.). Ecosystem modelling progress has not been listed here.

2. Ecosystem models

A very quick overview was given of how ecosystem models fit with single-species stock analyses and why they are complementary and needed. Some thoughts on what questions need to be answered to progress with the modelling – most importantly, what time step, how to deal with space? The Ecopath with Ecosim (EwE) framework was introduced, but while it has a dedicated platform, we will be using R so that we can change code to our needs. The collaboration with Tobias Büring has provided us with an up-to-date Ecopath model from which we will be continuing our work.

3. Steps forward

Feedback on the literature has been requested. The zooplankton survey has started, and the samples are for a PhD student who will be starting later in the year. She will metabarcode the community, quantify inshore-offshore links, and investigate the life cycle of *Munida*. Jesse will be using the samples mainly to get an idea of rates of change through the year, community composition and spatial analyses (three fixed stations, and historic data from FIFD).

4. AOB

Simon asked to give an idea of what size chambers to send for *Munida* respiration. This needs to happen very soon.