Sub-model 1. Tube Building Fauna - CONFIDENCE

Legend

- Low confidence
- Medium confidence
- High confidence
- Link informed by Literature Review
- Link informed by Expert Opinion *

* Links informed by Expert Opinion do not exceed the Medium Confidence level.

Version 1.0

Please see accompanying report for model restrictions and limitations

1. Regional to Global Drivers
- Geology
- Depth
- Wave Exposure
- Water Currents
- Climate
- Propagule Supply

2. Water Column Processes
- Primary Production
- Suspended Sediment
- Light Attenuation
- Water Chemistry & Temperature
- Dissolved Oxygen

3. Local Processes/Inputs at the Seabed
- Food sources
  - Living Prey
  - POM
  - Detritus
  - Plankton
- Seabed Mobility
- Recruitment

4. Habitat and Biological Assemblage
- Tube Building Fauna
  - Polychaetes e.g. *Lagis koreni, Owenia fusiformis, Polydora ciliata, Pygospio elegans*
  - Phoronida e.g. *Phoronis muelleri*
  - Amphipods e.g. *Photis longicaudata, Ampelisca tenuicornis & Microprotopus maculatus*
- Sublittoral Mud Sediments

5. Output Processes
- Secondary Production
- Biodeposition
- Bioturbation
- Bioengineering
- Supply of Propagules

6. Local Ecosystem Functions
- Food Resource
- Nutrient Cycling
- Biogeochemical Cycling
- Sediment Stability
- Habitat Provision
- Microbial activity Enhancement

7. Regional to Global Ecosystem Functions
- Export of Biodiversity
- Export of Organic Matter
- Biodiversity Enhancement
- Biotope Stability