Sub-model 5. Tube Building Fauna

Legend

——	Low confidence
——	Medium confidence
——	High confidence
——	Link informed by Literature Review
——	Link informed by Expert Opinion

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
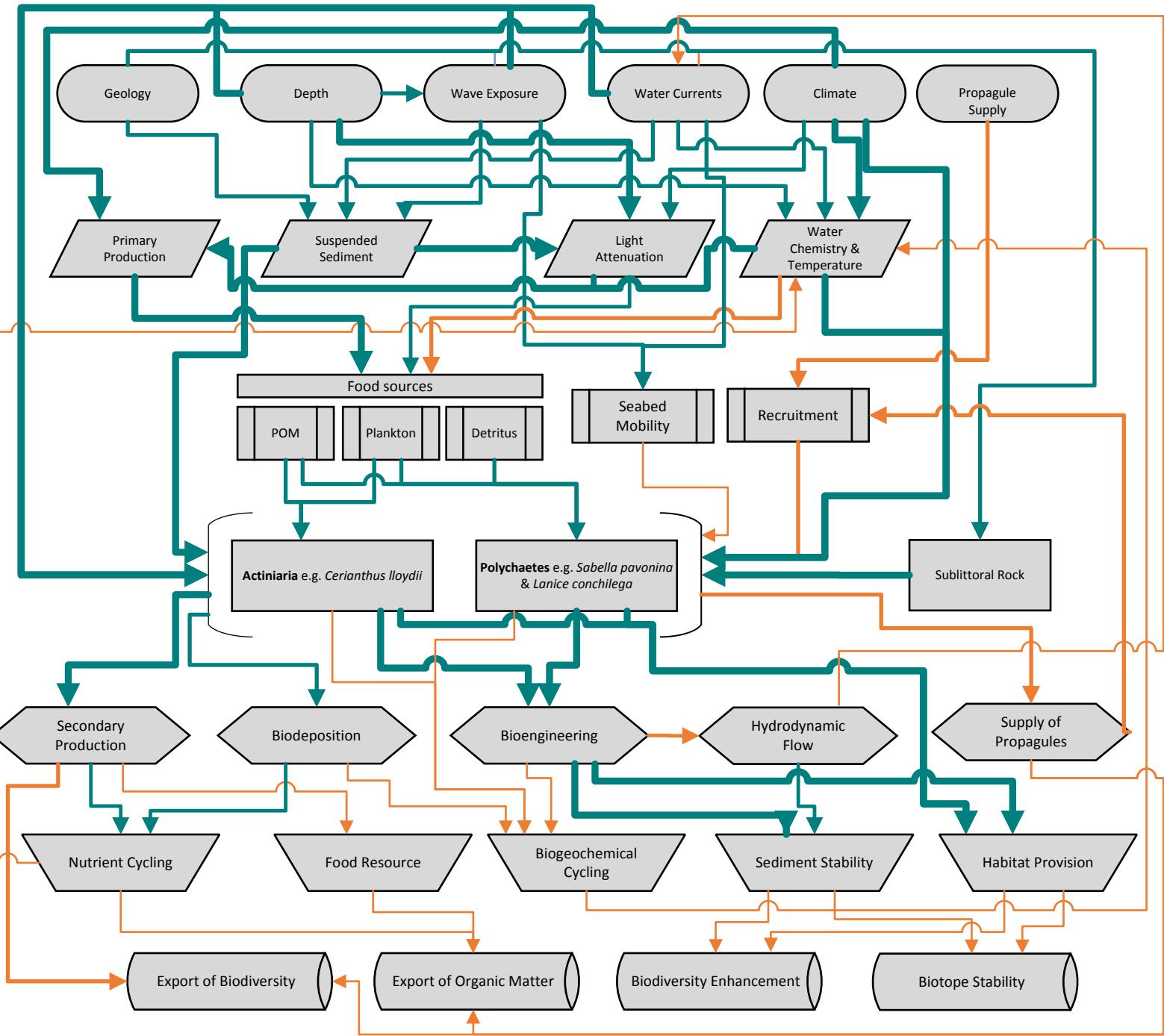
3. Local Processes/Inputs at the Seabed

- Food sources
  - POM
  - Plankton
  - Detritus
- Seabed Mobility
- Recruitment

4. Habitat and Biological Assemblage

- **Actiniaria** e.g. *Cerianthus lloydii*
- **Polychaetes** e.g. *Sabella pavonina* & *Lanice conchilega*
- Sublittoral Rock

5. Output Processes

- Secondary Production
- Biodeposition
- Bioengineering
- Hydrodynamic Flow
- Supply of Propagules

6. Local Ecosystem Functions

- Nutrient Cycling
- Food Resource
- Biogeochemical Cycling
- Sediment Stability
- Habitat Provision

7. Regional to Global Ecosystem Functions

- Export of Biodiversity
- Export of Organic Matter
- Biodiversity Enhancement
- Biotope Stability