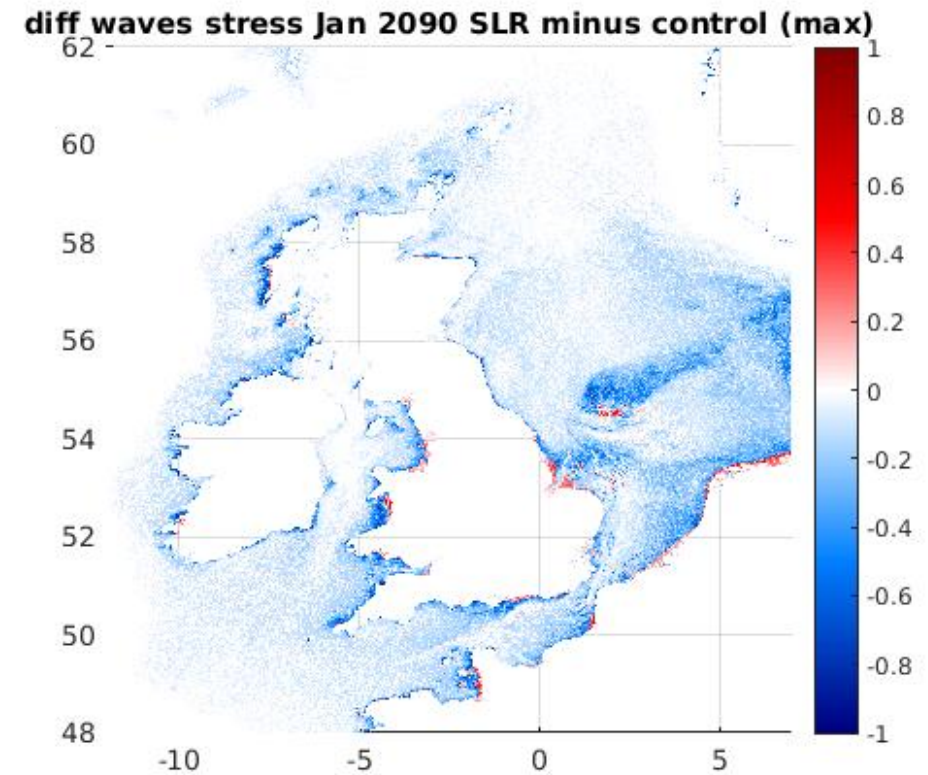
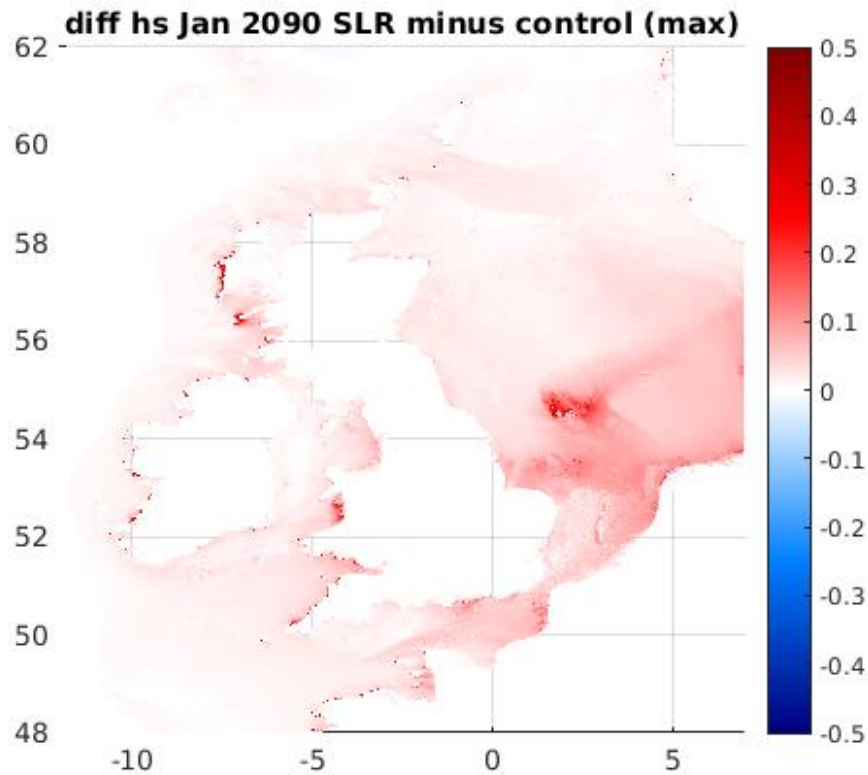


Future climate impacts on waves and seabed stress

- Sea-surface waves generated by identical winds and swell, but with sea-level rise of 1m everywhere.
- Difference plots of significant wave height (left) and wave generated bottom stresses (right)



- Deeper reduces energy dissipation on the waves from seabed drag
- So we see larger surface waves when the water is deeper
- But deeper water decouples waves from the bed, reducing impact seabed stresses.
- Also means more energy reaches distant coasts e.g. North Norfolk / German Bight