

## Computer Science in Ocean and Climate Research

### Exercise 6

**Tutorial:** (Exercise May 19th, 2020) and **Home** (until May 26th, 2020):

- Use **shared-memory parallelization** with OpenMP to make your code of the predator prey model with spatial diffusion run faster.
- Try different constructs and compare also versions where you use the Fortran array operations and/or the Fortran **matmul** function.
- Do the results change depending on the fact whether you incorporate diffusion or not?