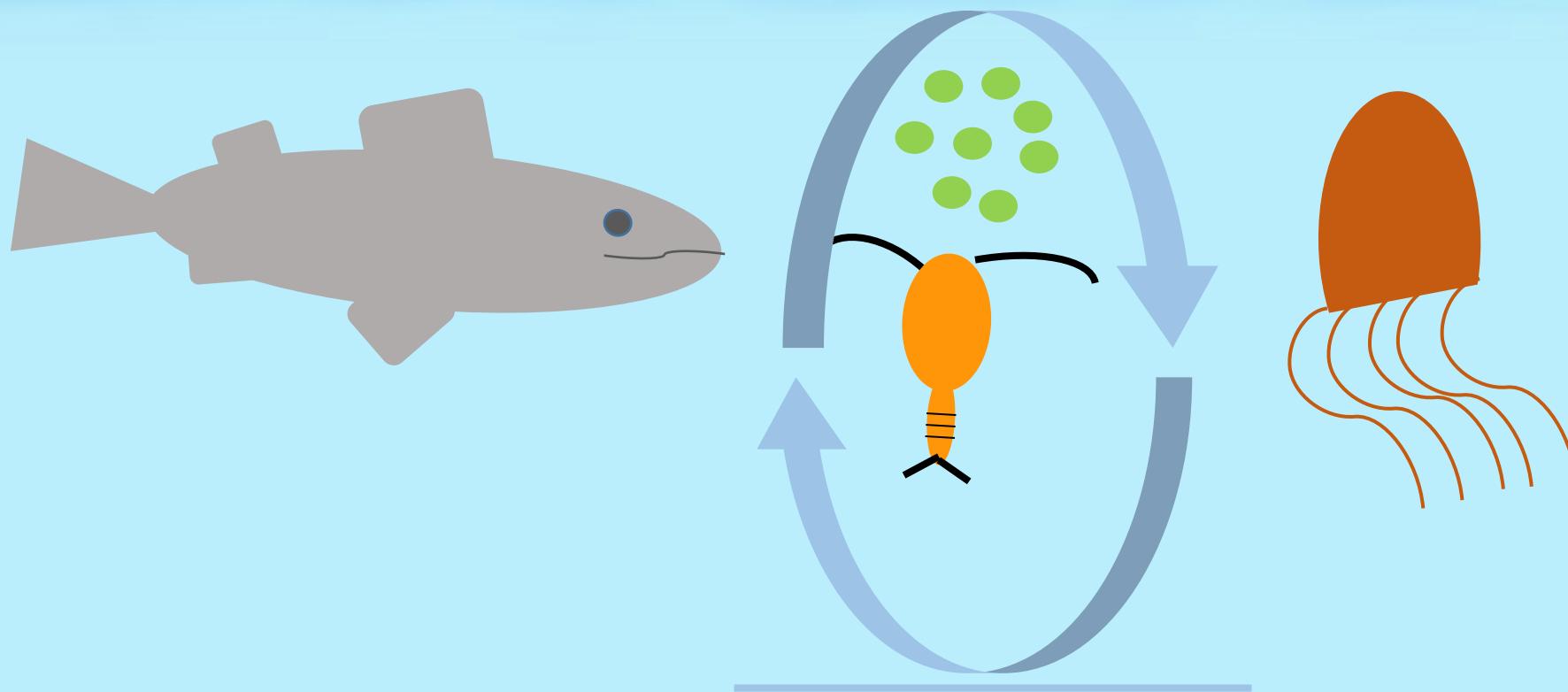


Kristina Øie Kvile
CEES – University of Oslo

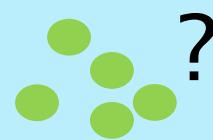
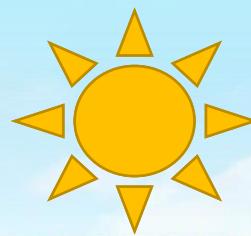
Climate responses of *Calanus finmarchicus* in a high latitude system

ICES/PICES 6ZPS 2016/S7

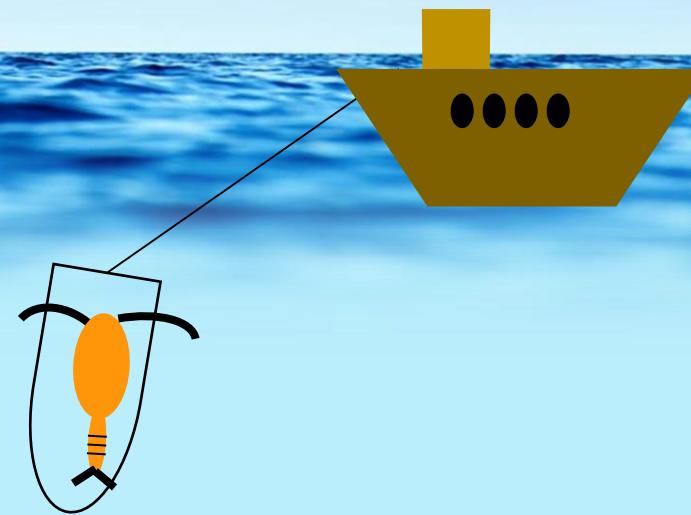
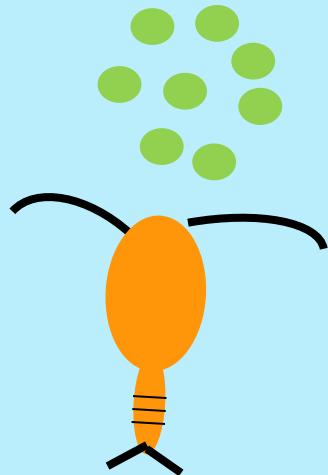
Introduction



Introduction



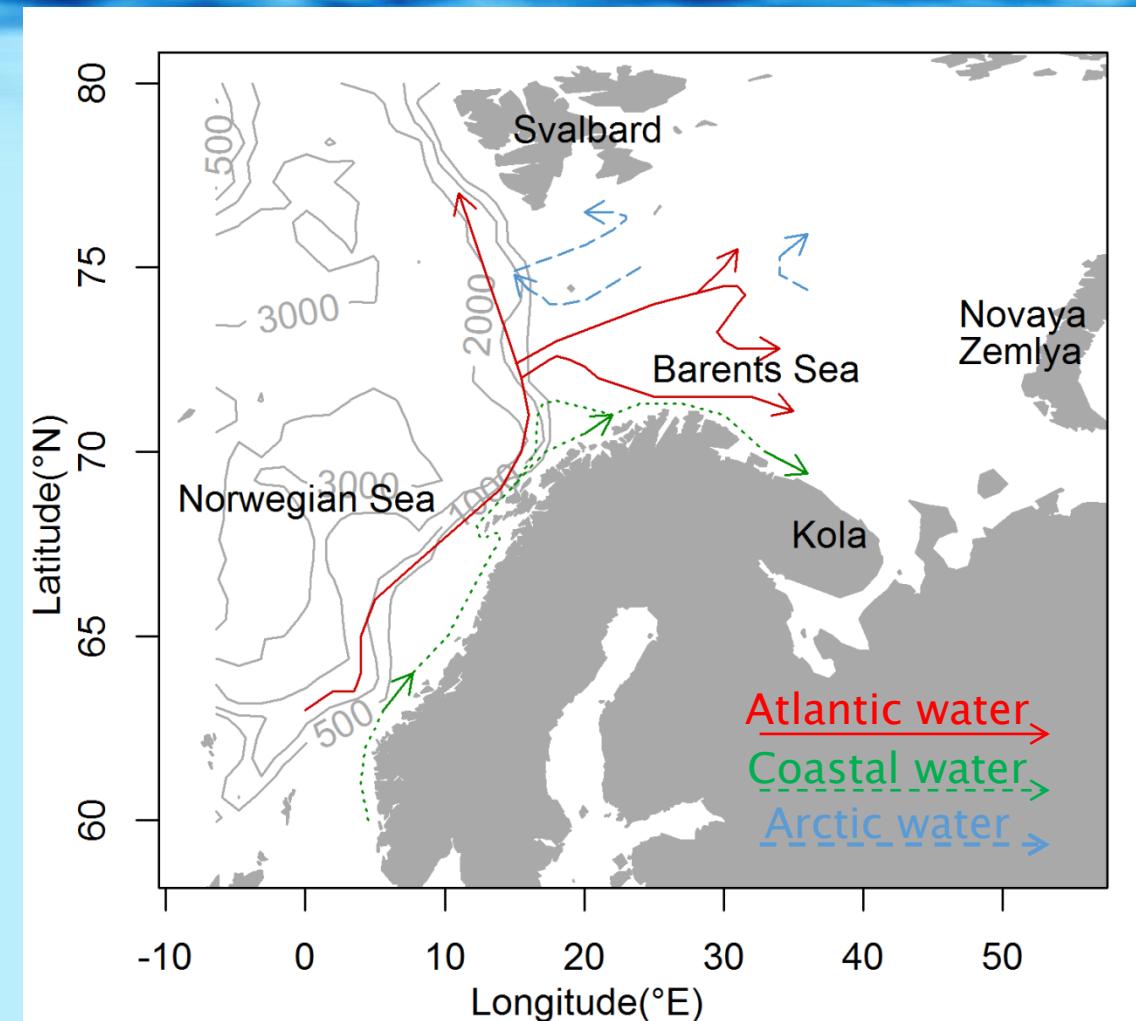
Advection



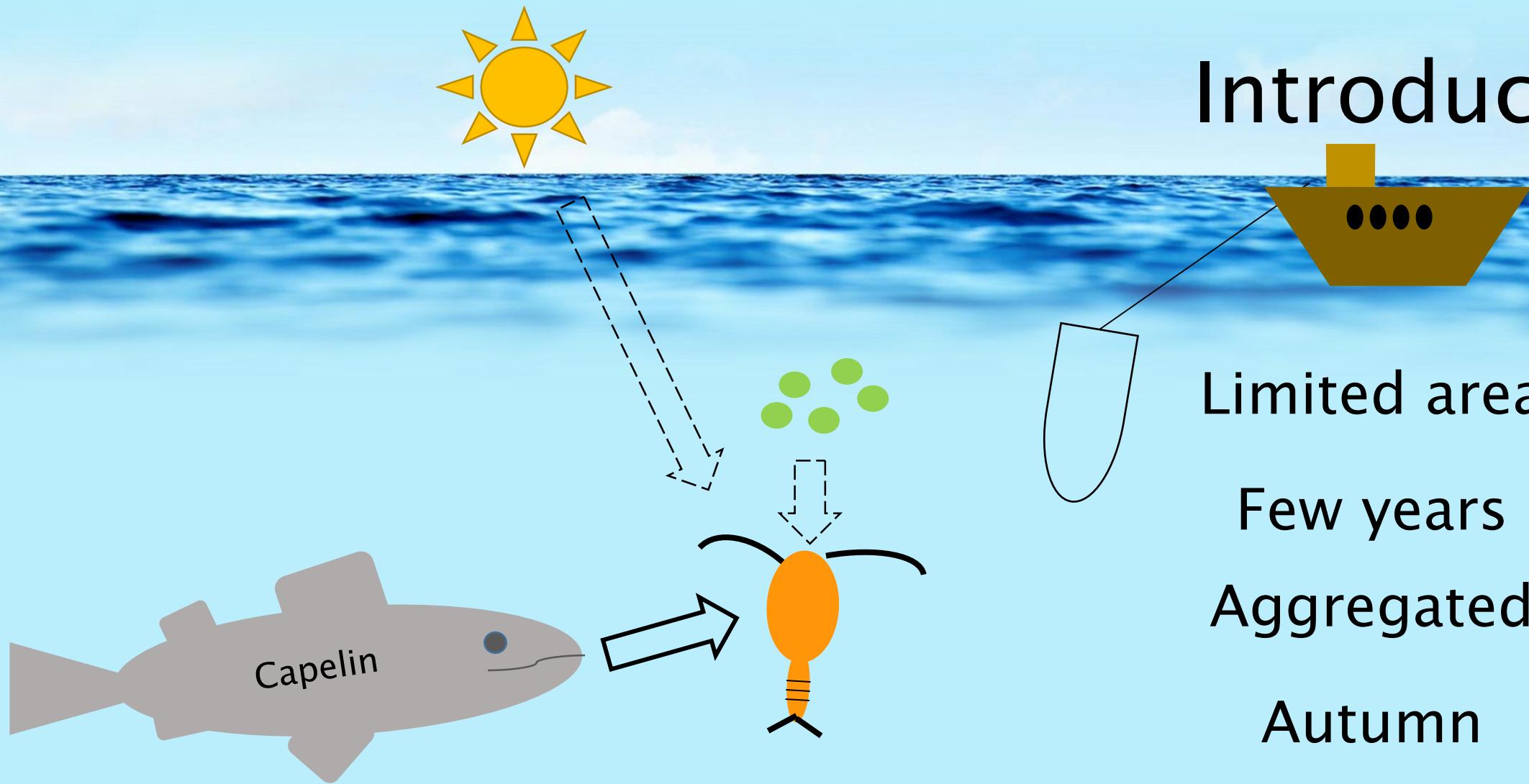
Advection

Introduction

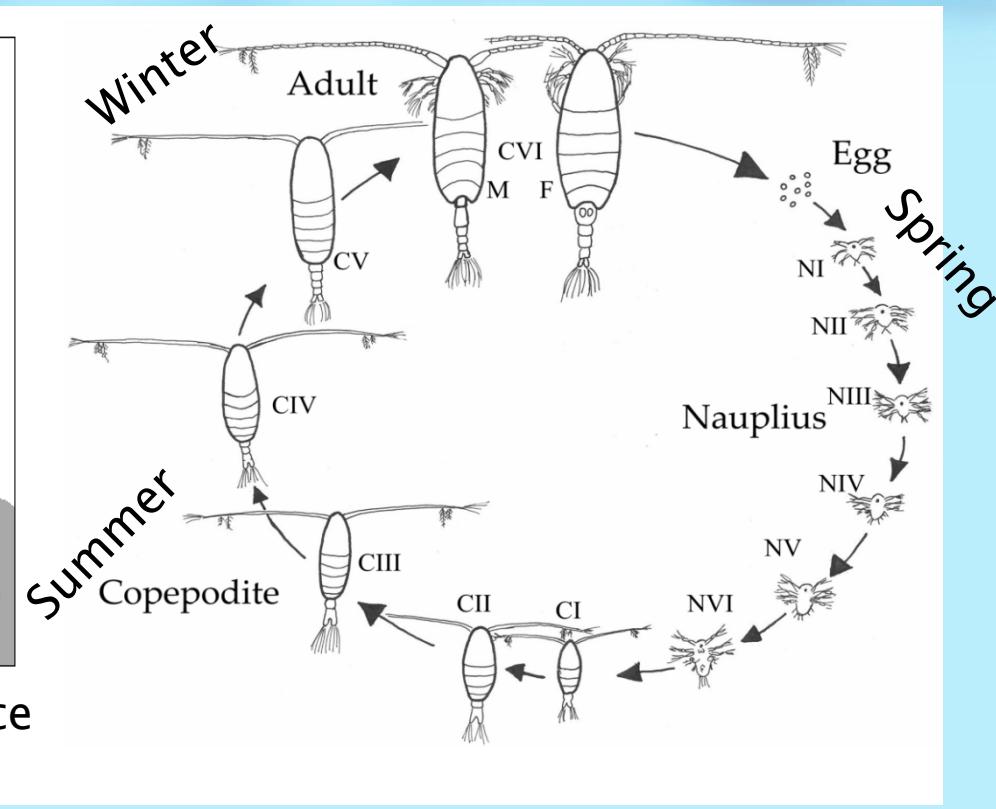
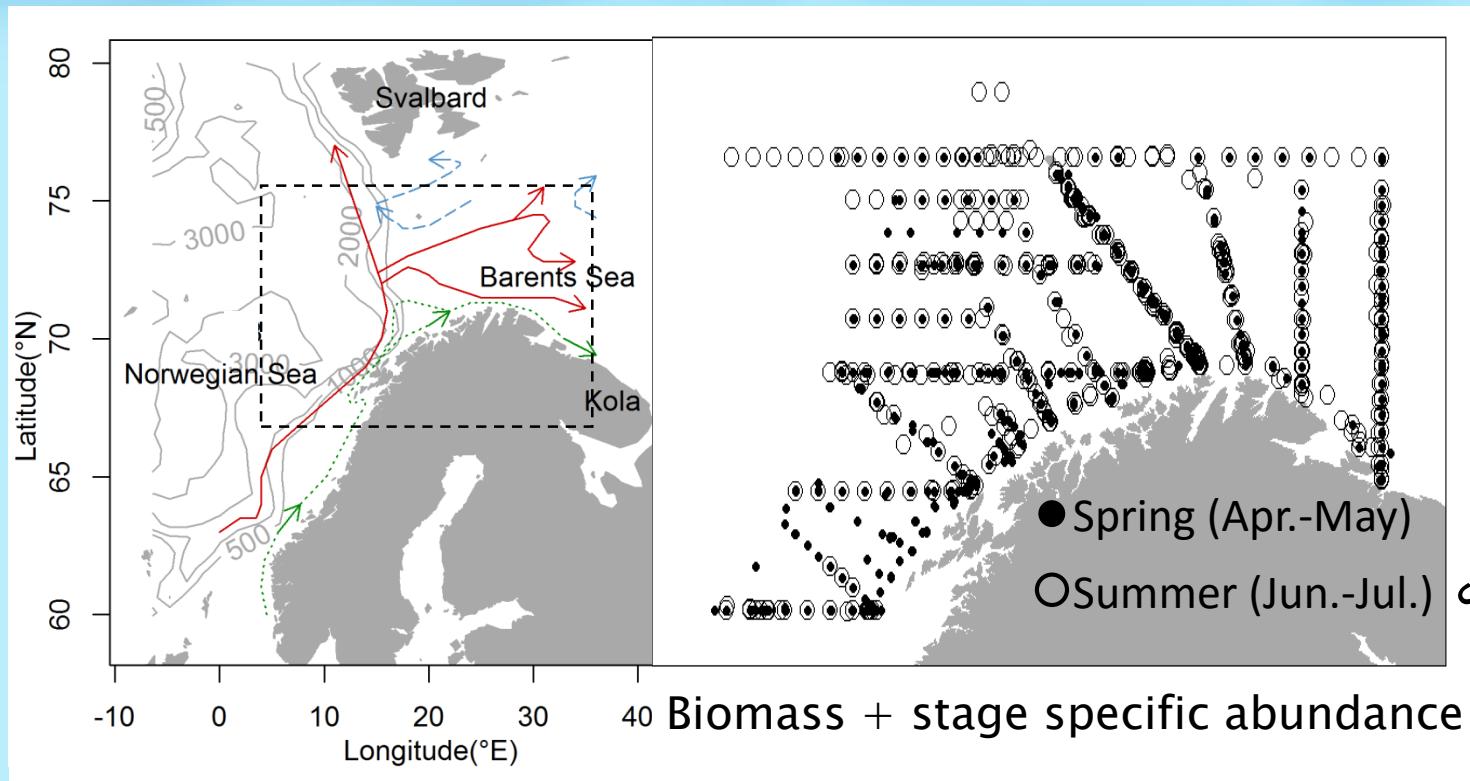
Calanus finmarchicus



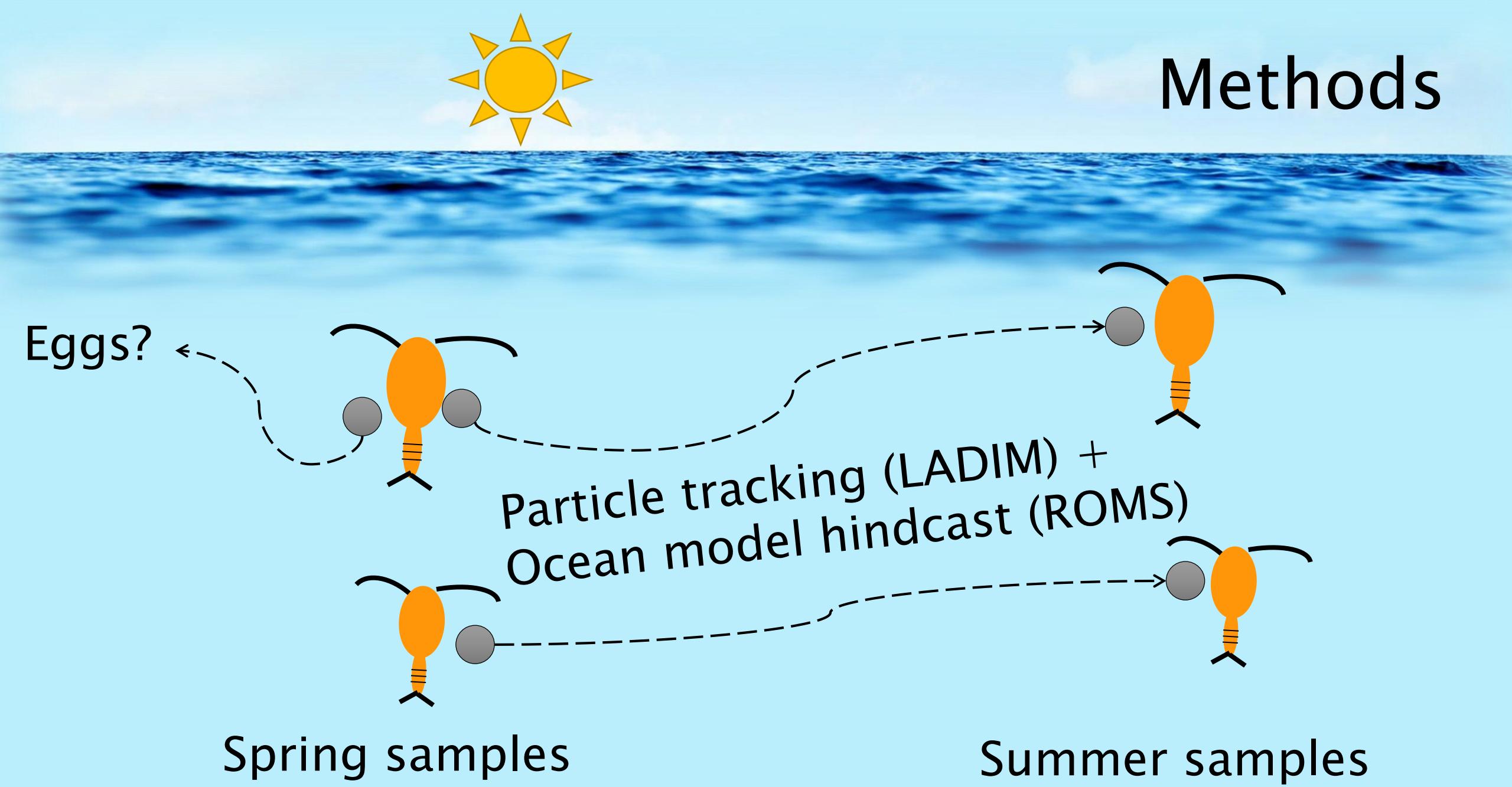
Introduction



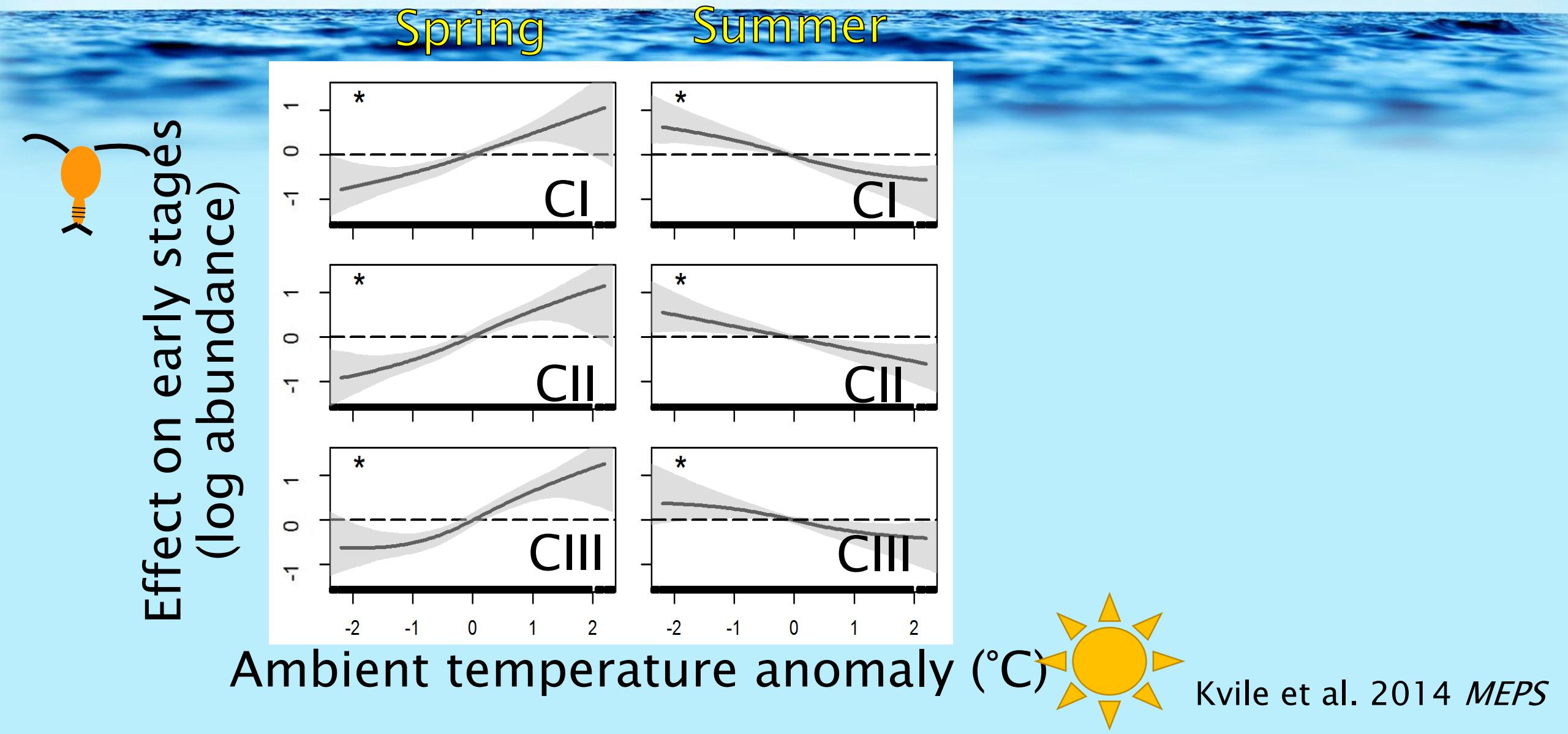
Methods



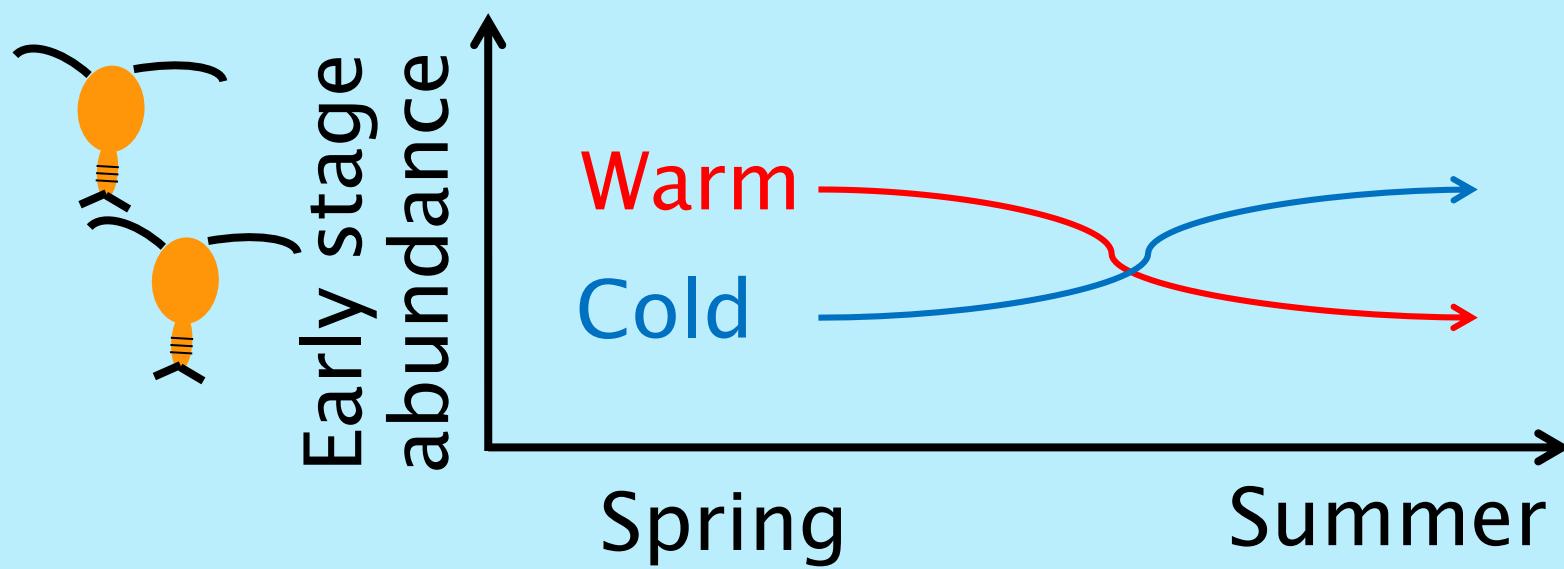
Methods



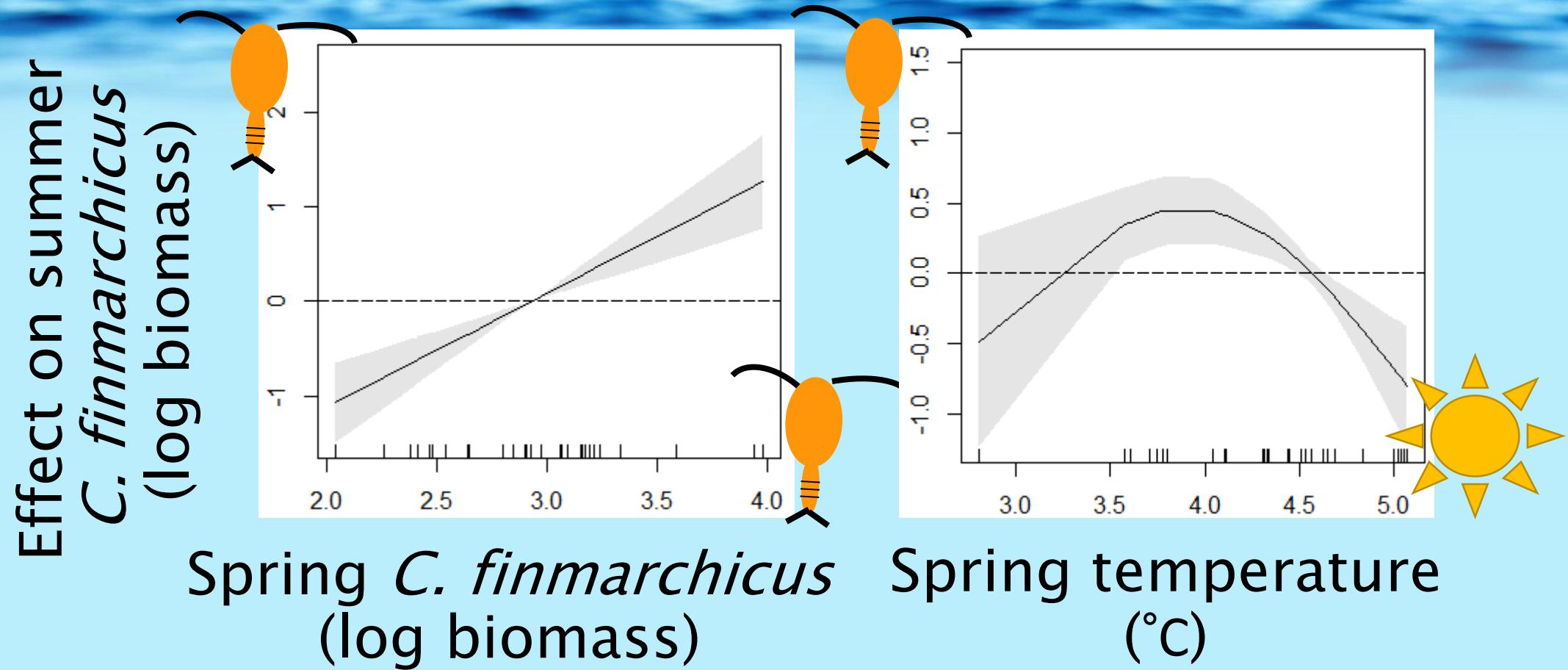
Results



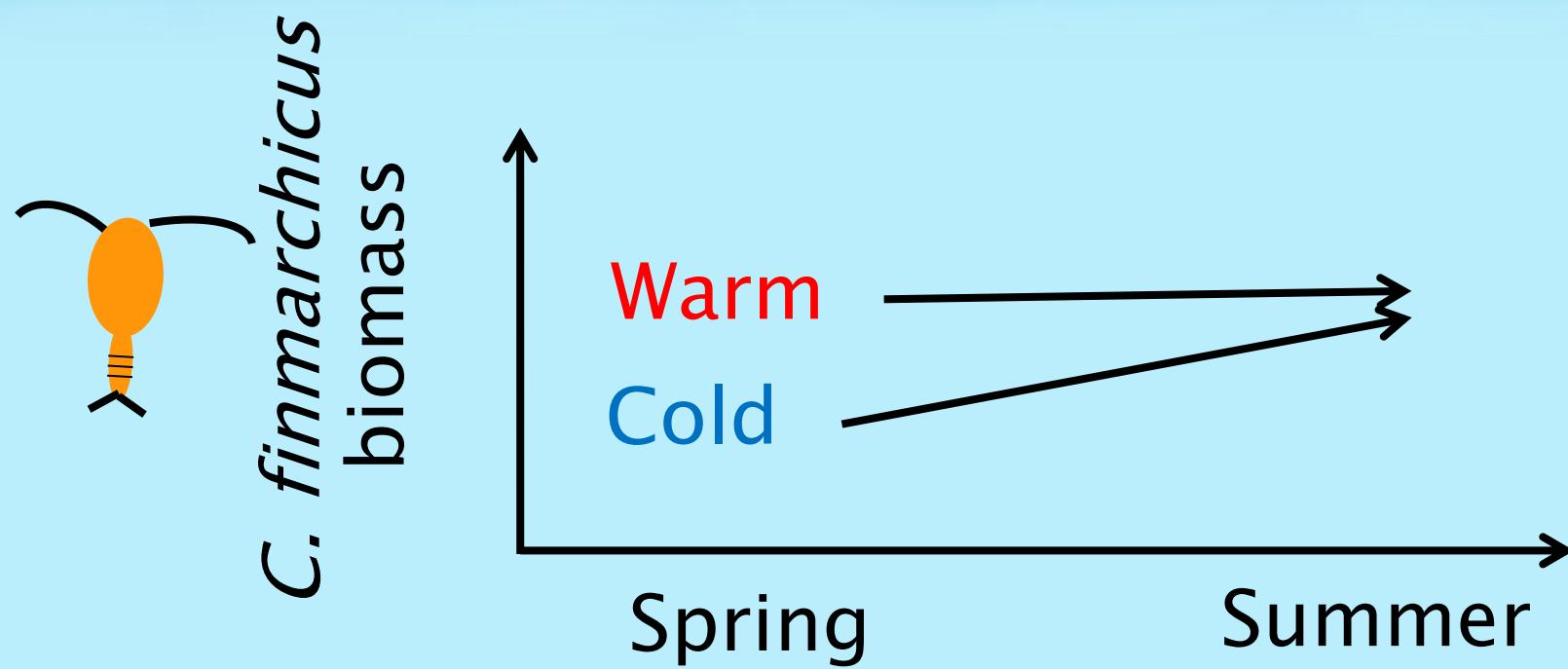
Results



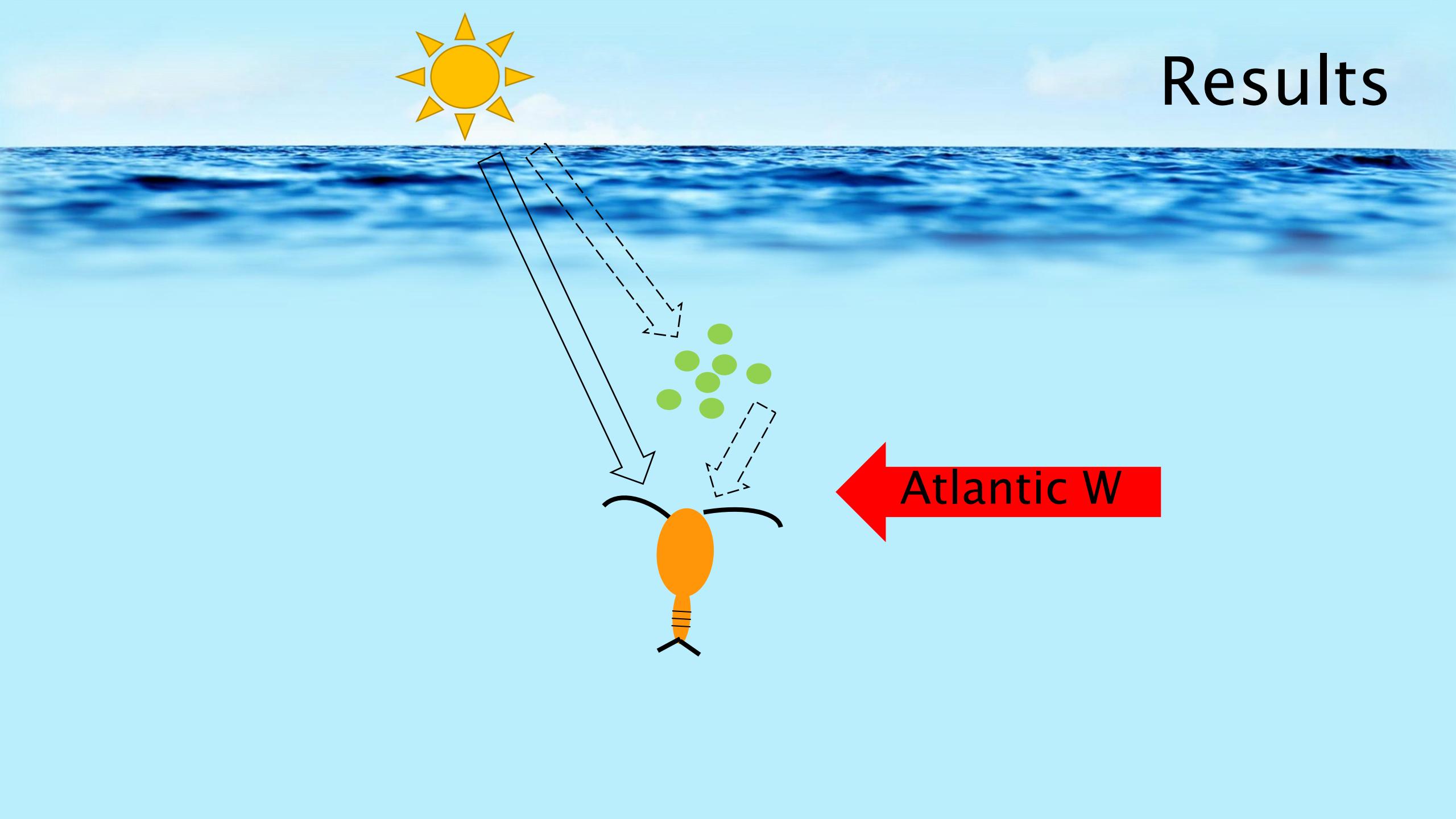
Results



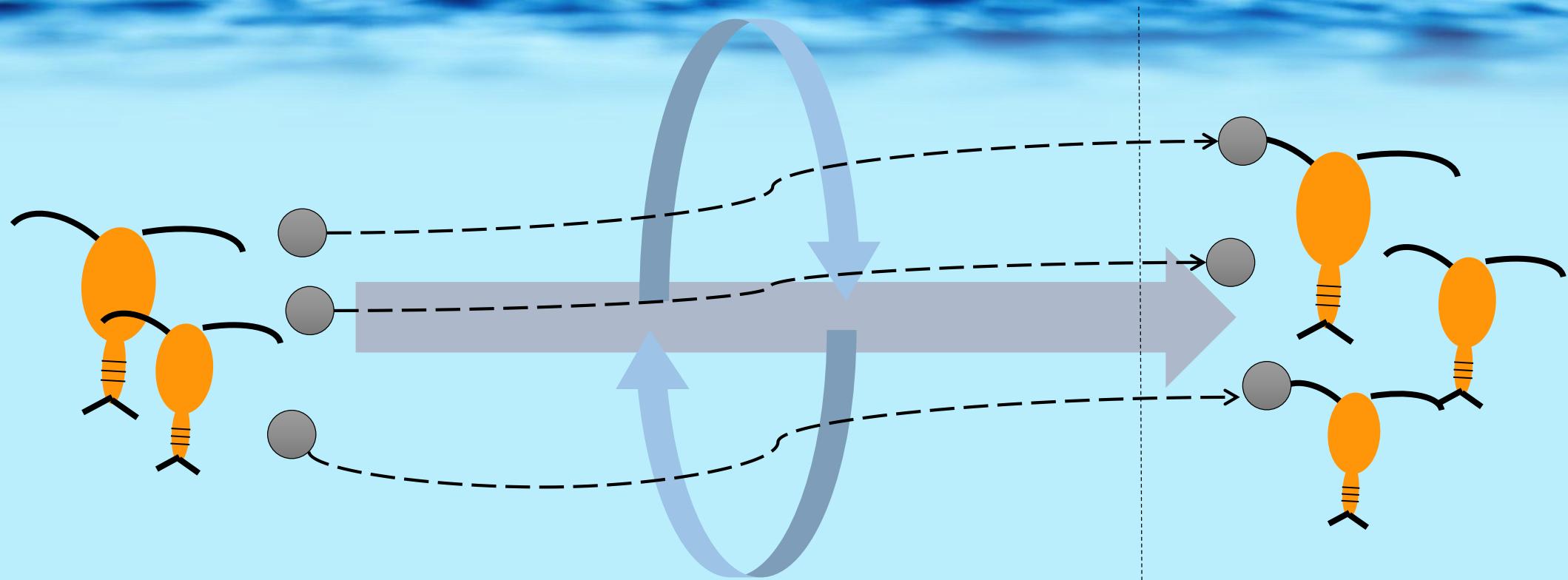
Results



Results



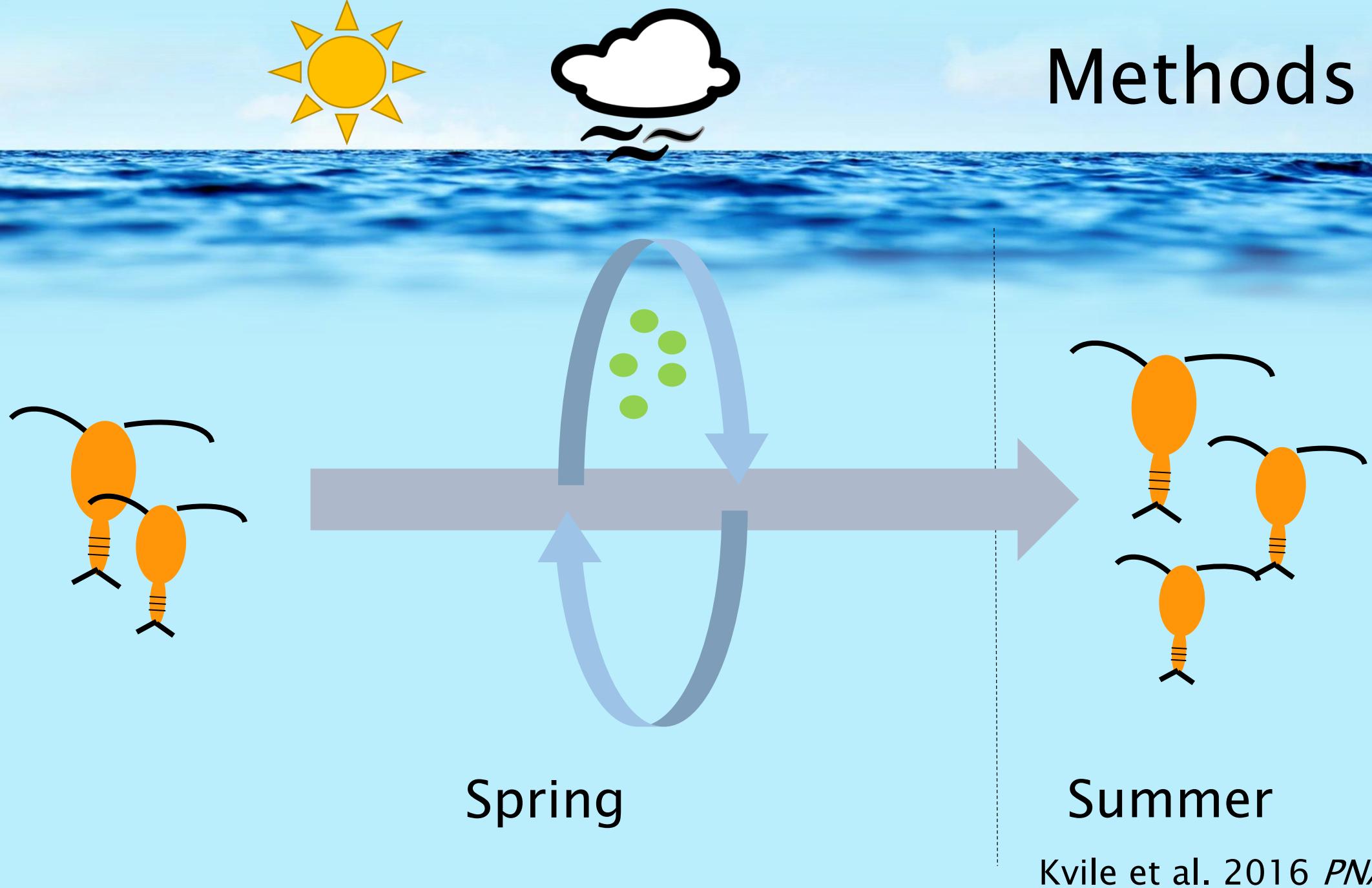
Methods



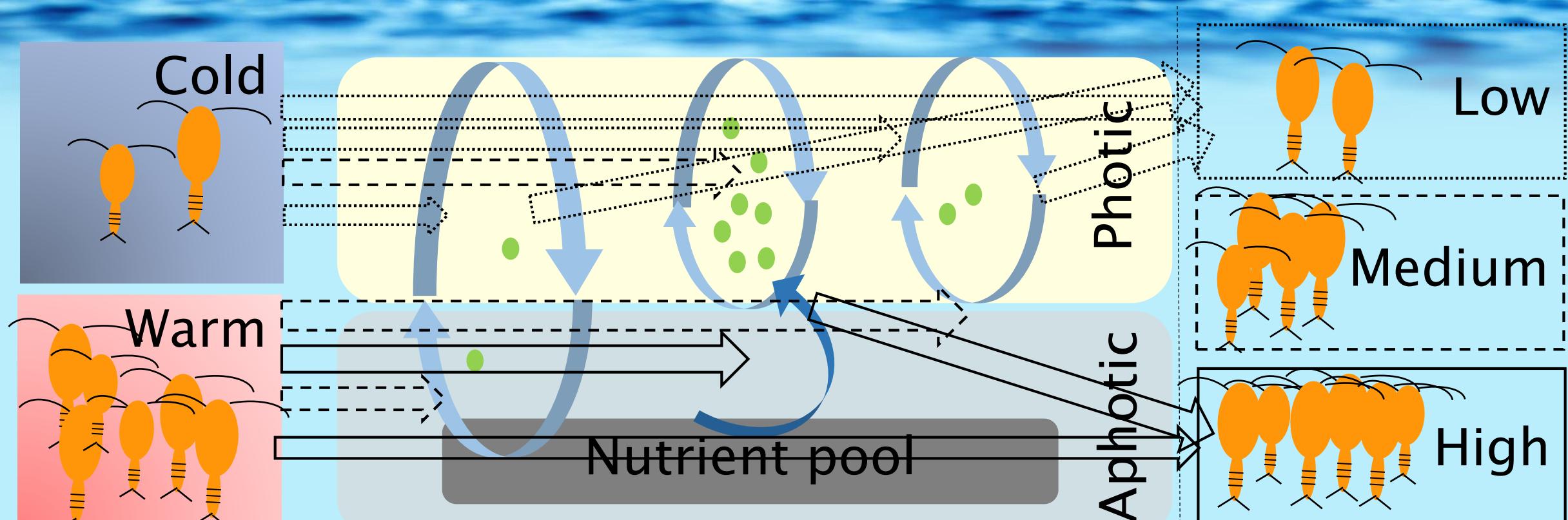
Spring

Summer

Methods



Results

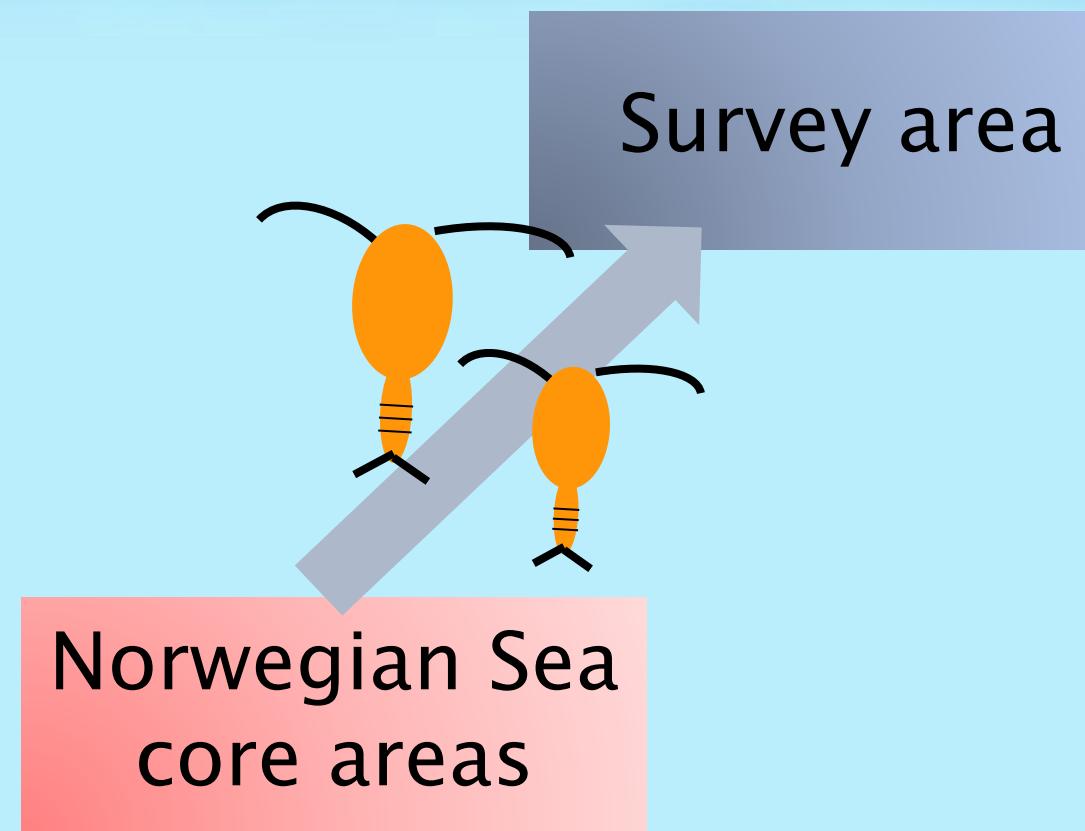
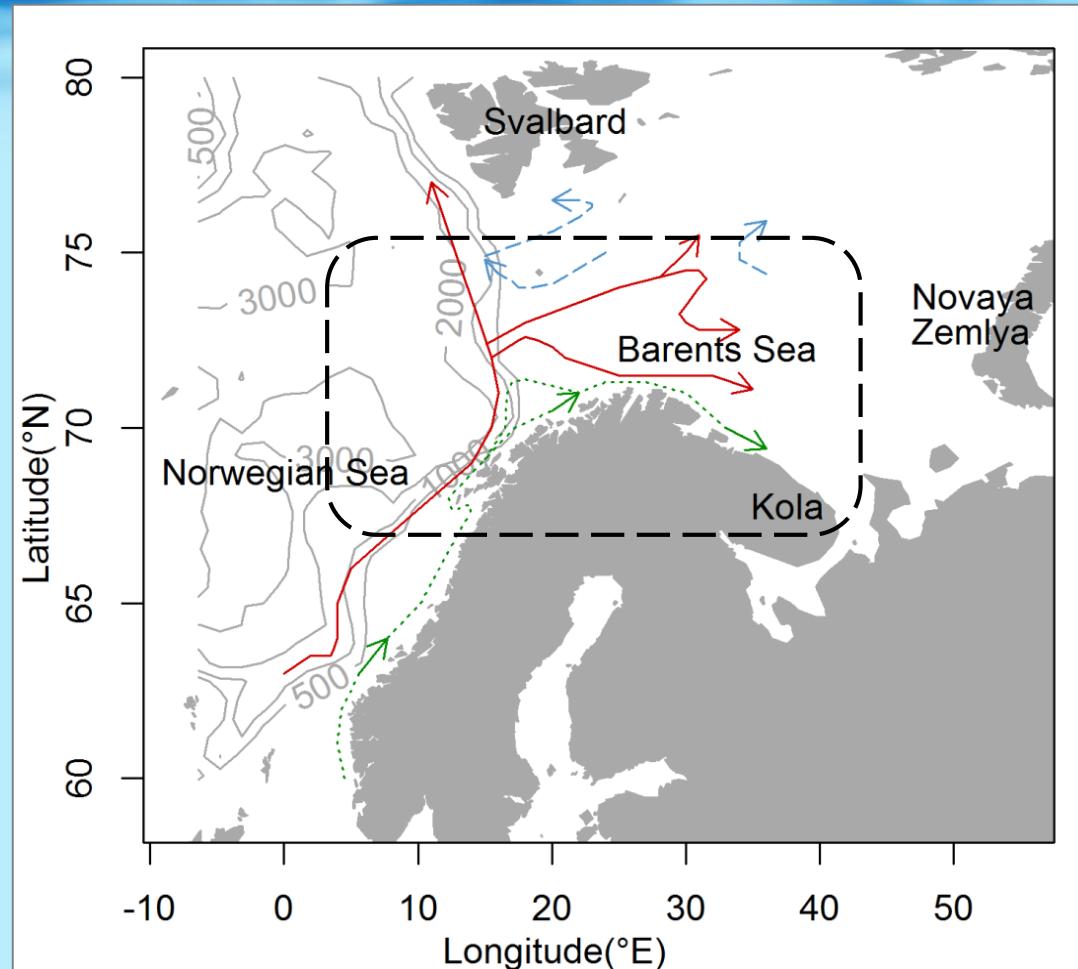


Spring

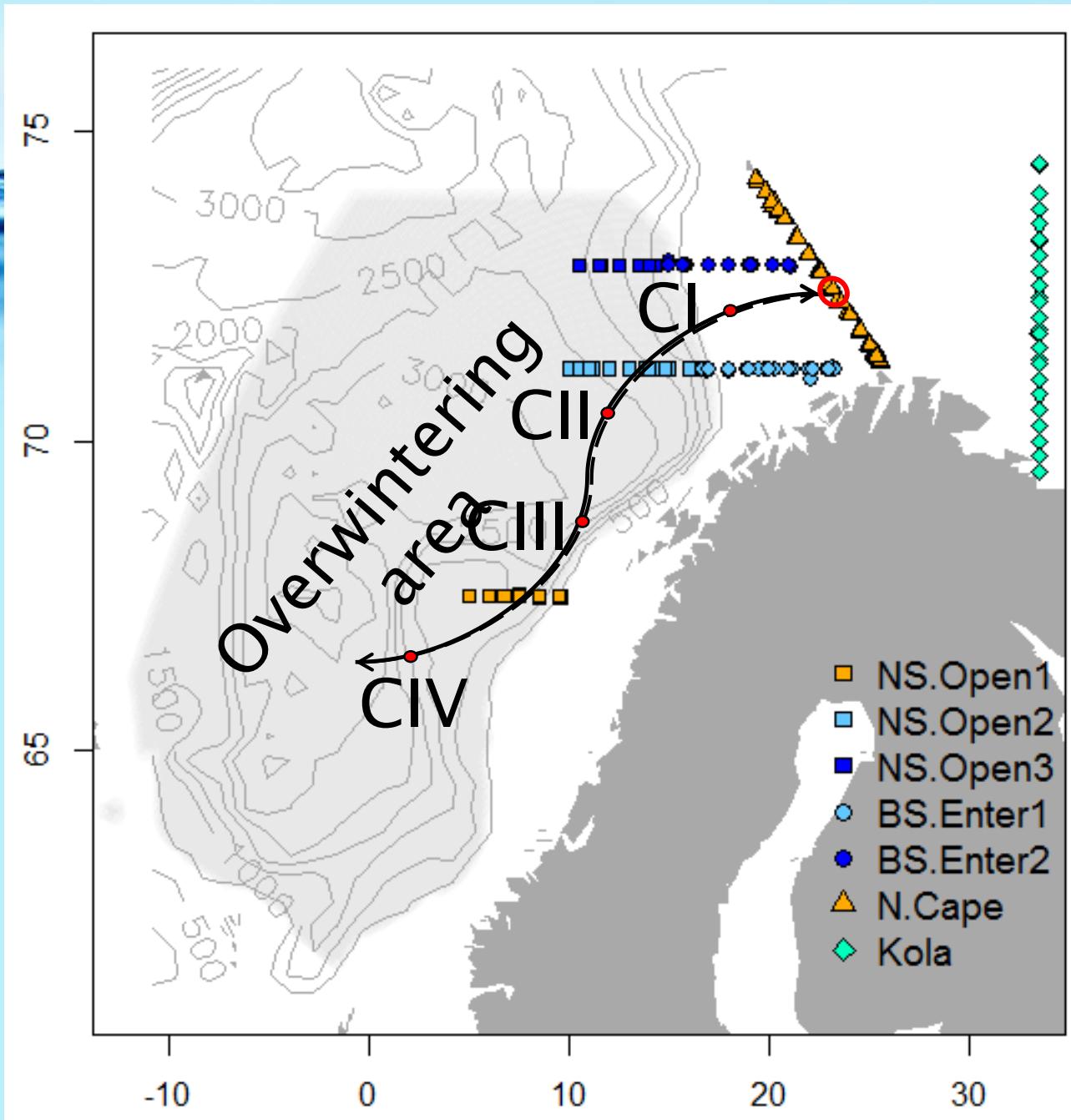
Summer

Kvile et al. 2016 PNAS

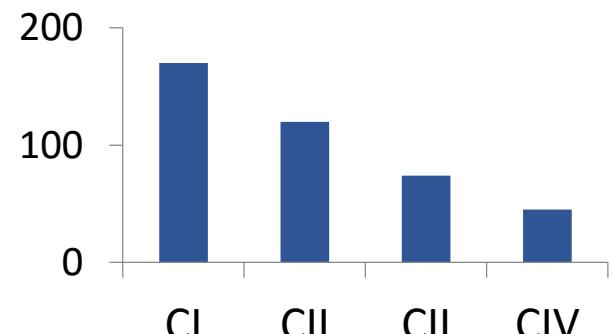
Results



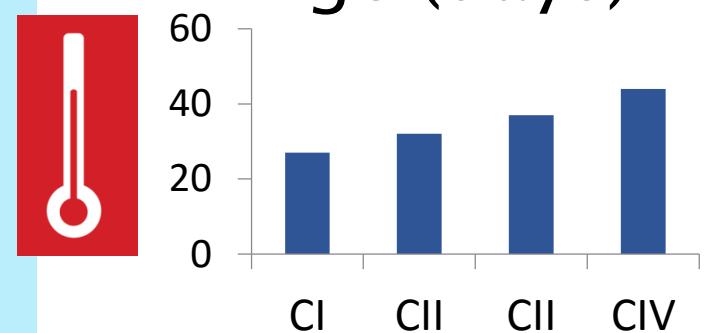
Methods



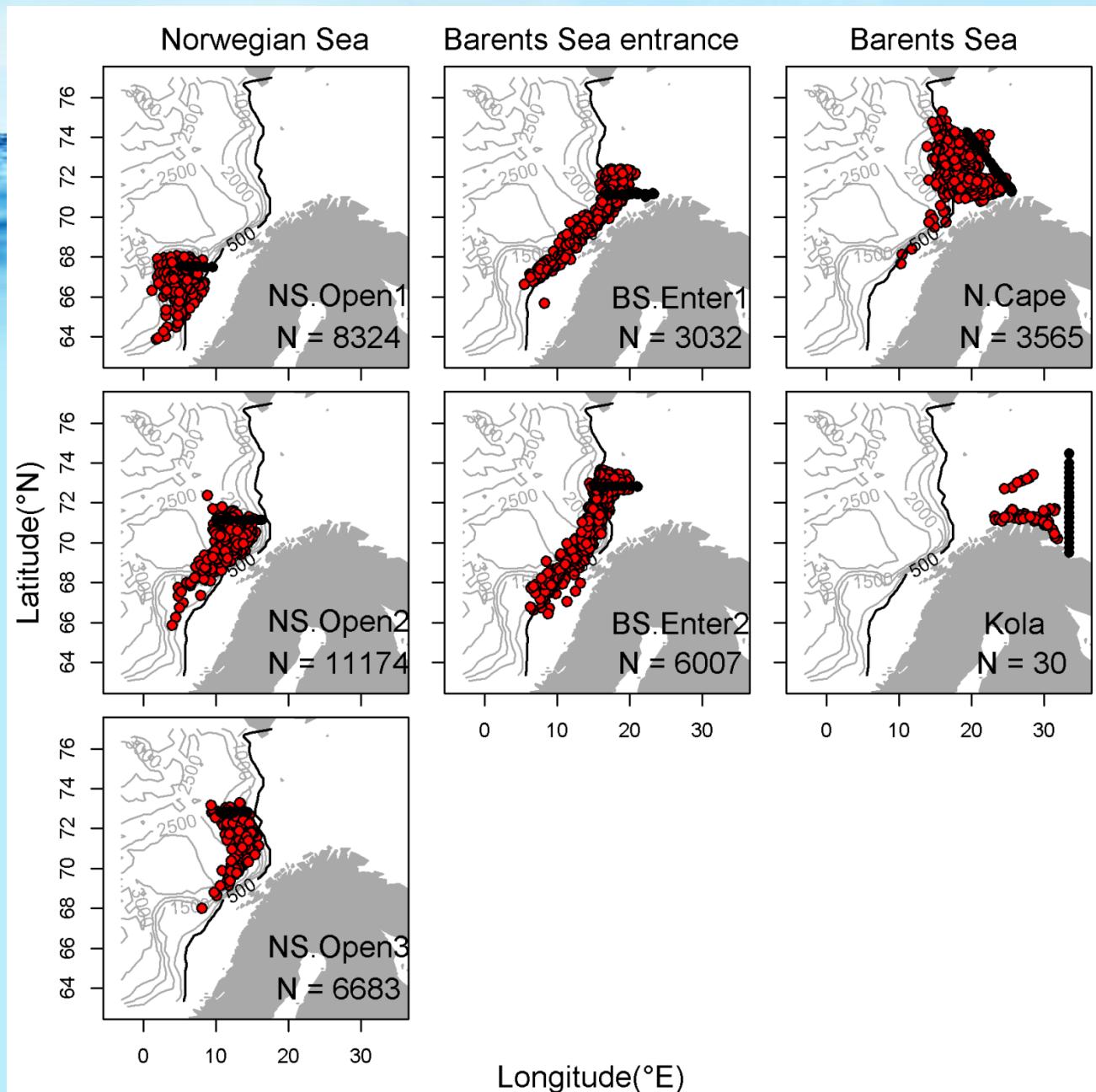
Copepodites/m³



Age (days)



Results

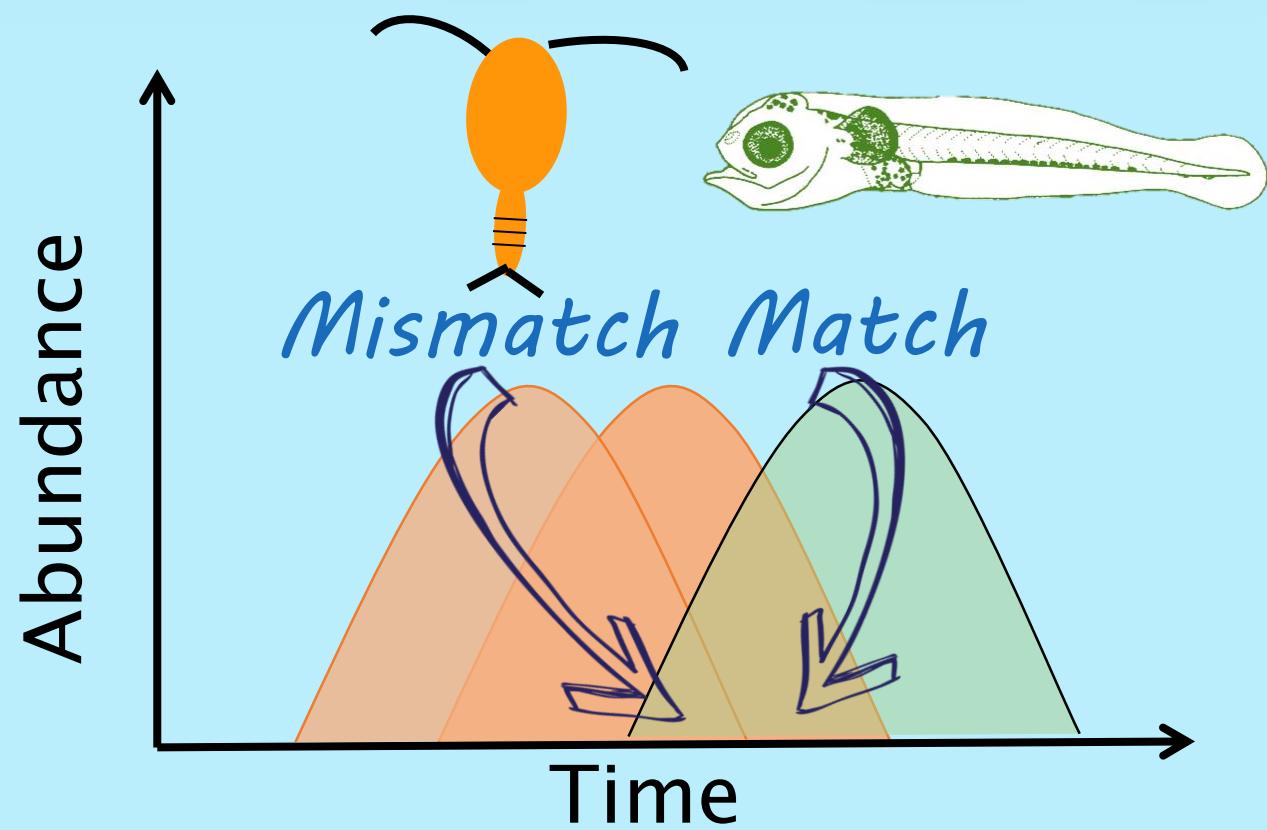
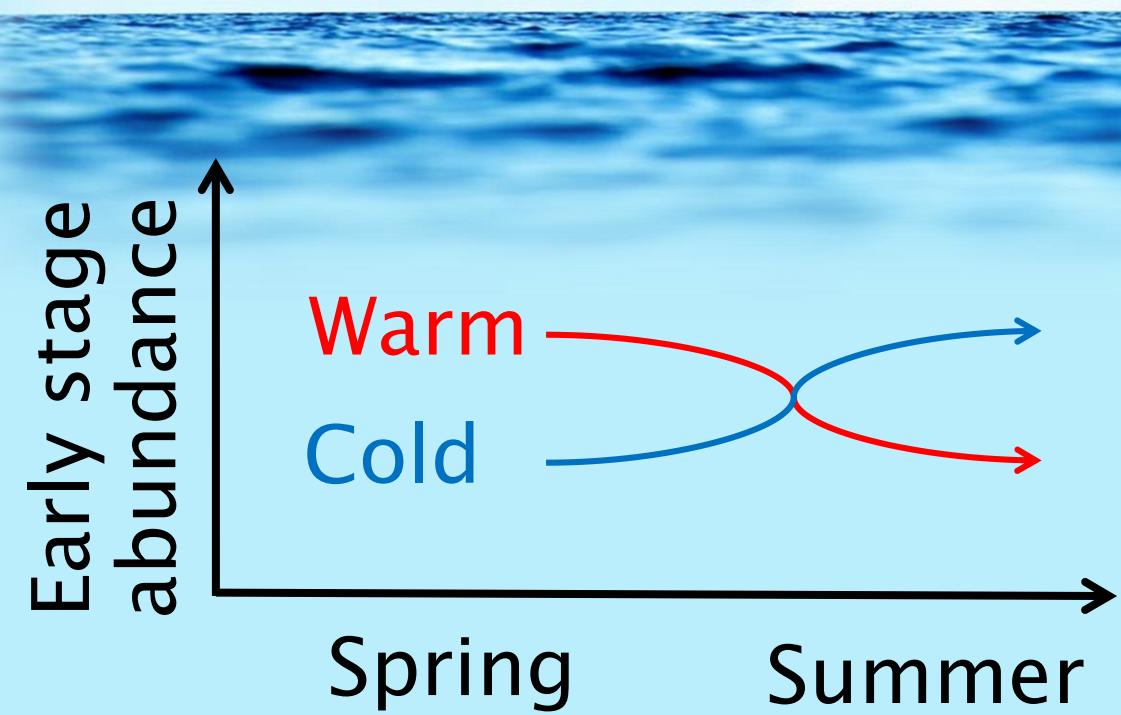


- Survey station
- Back-calculated spawning location
- N: Number of particles sampled

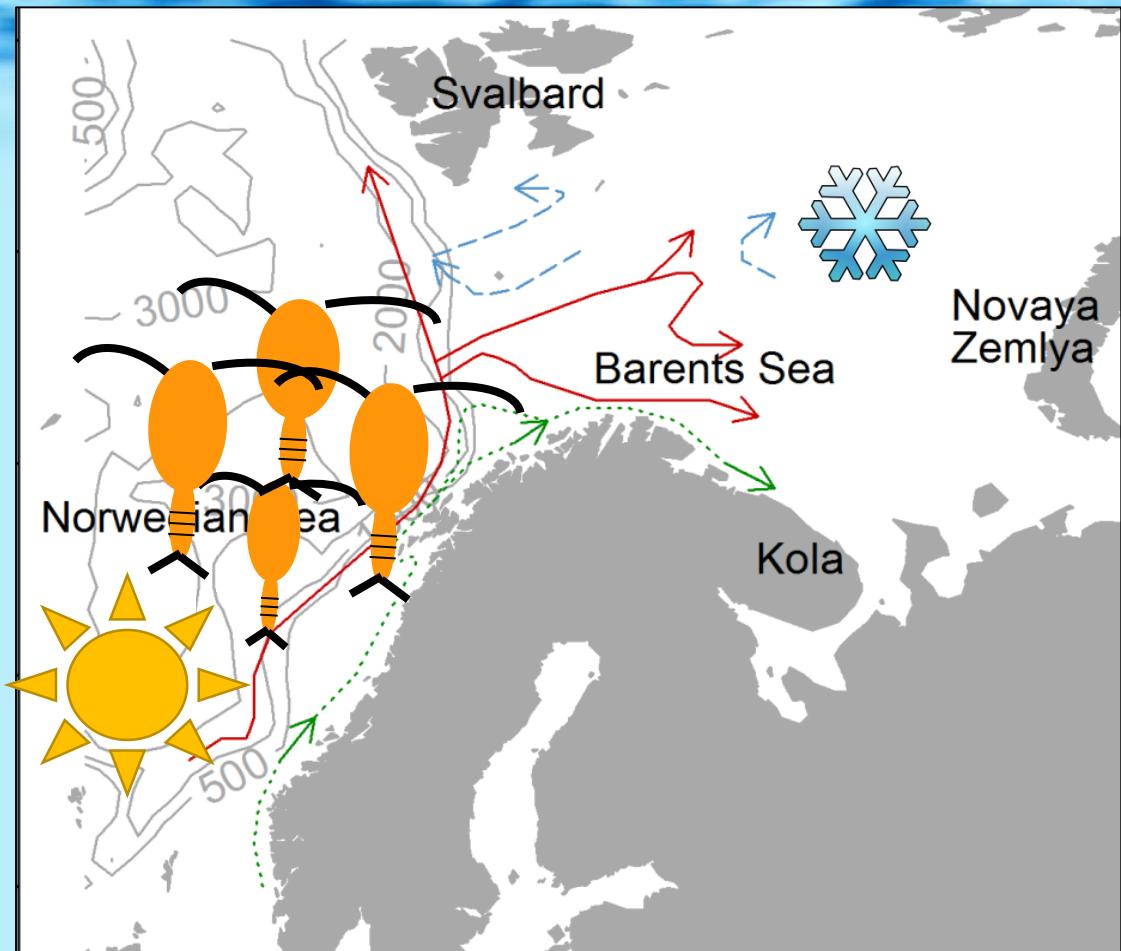
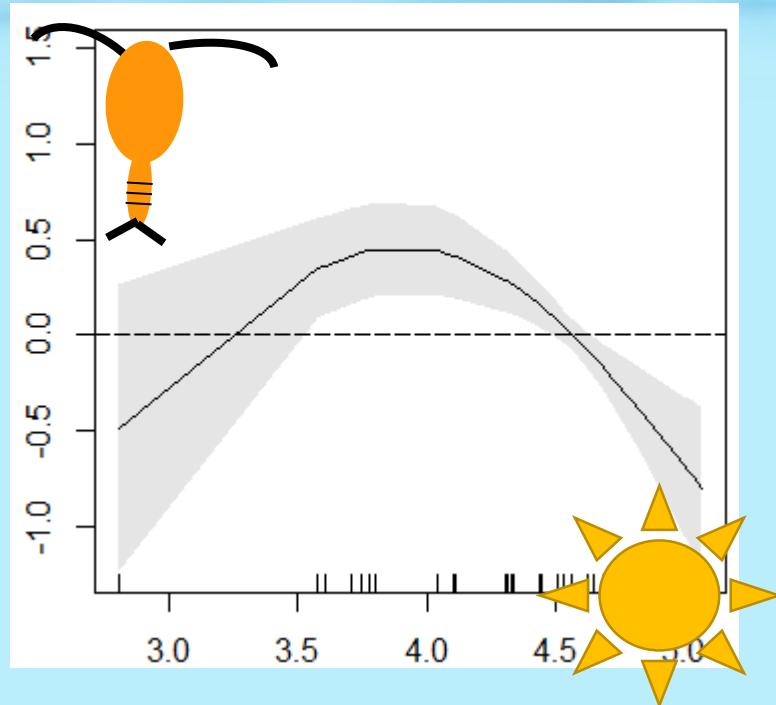


Implications

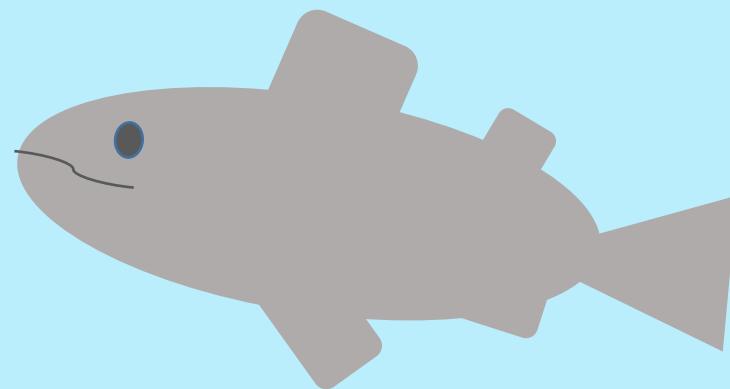
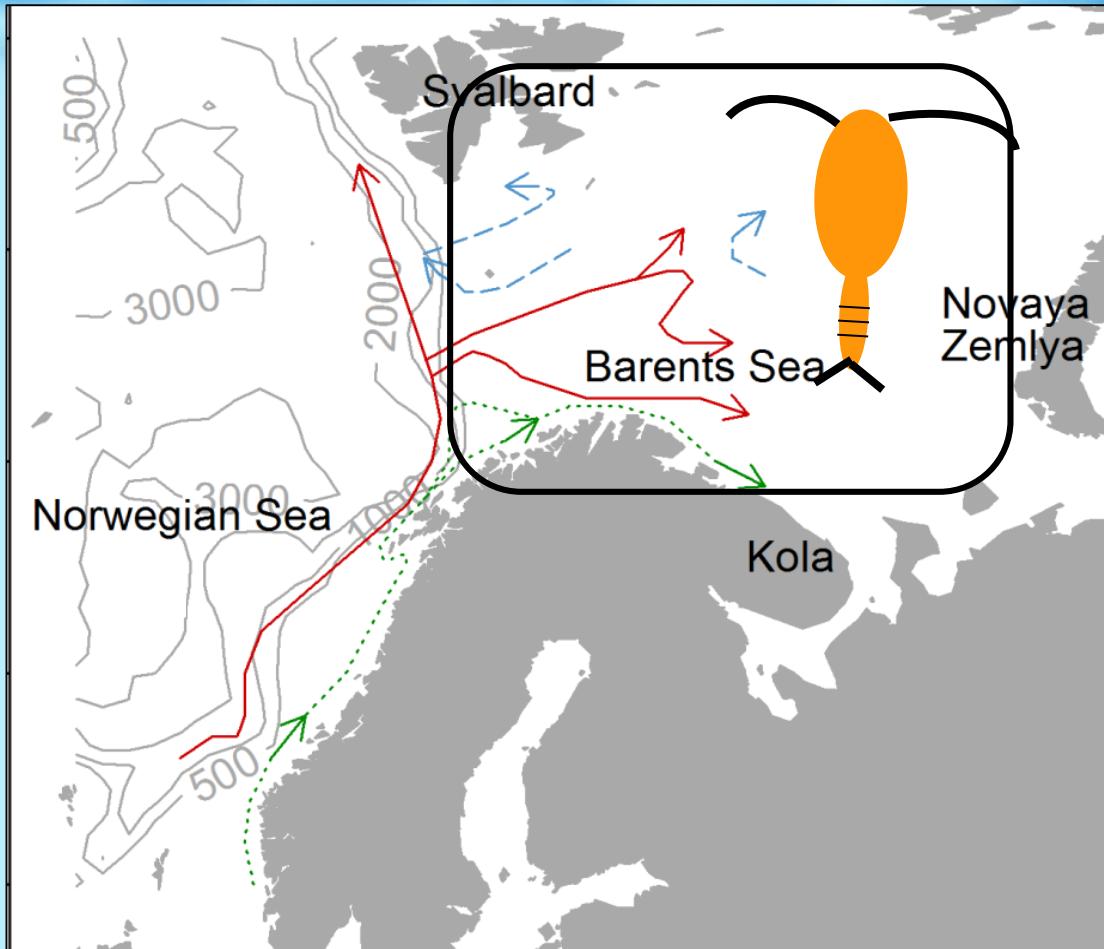
Implications



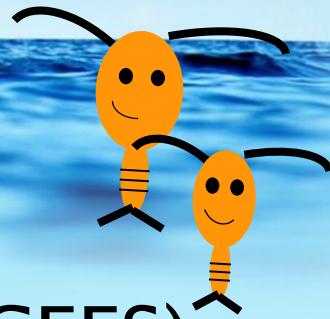
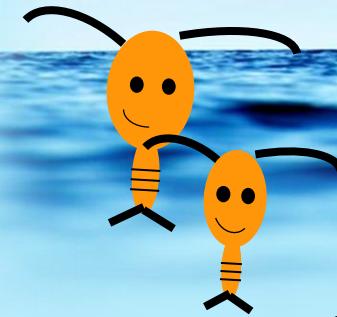
Implications



Implications



Thank you for your attention



Leif C. Stige, Nils C. Stenseth, Øystein Langangen (CEES)

Øyvind Fiksen, Anders F. Opdal (University of Bergen)

Padmini Dalpadado (IMR)

Irina Prokopchuk, Emma Orlova (PINRO)

Funding: Norden Top-level Research Initiative (NorMER)
SVIM, SUSTAIN