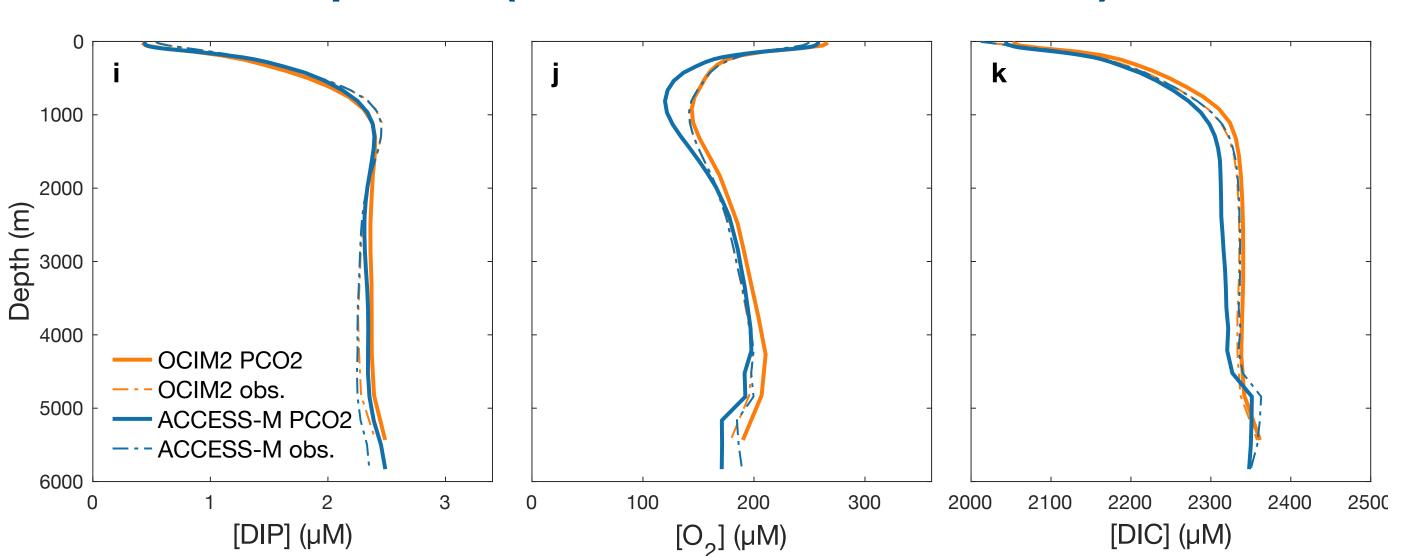
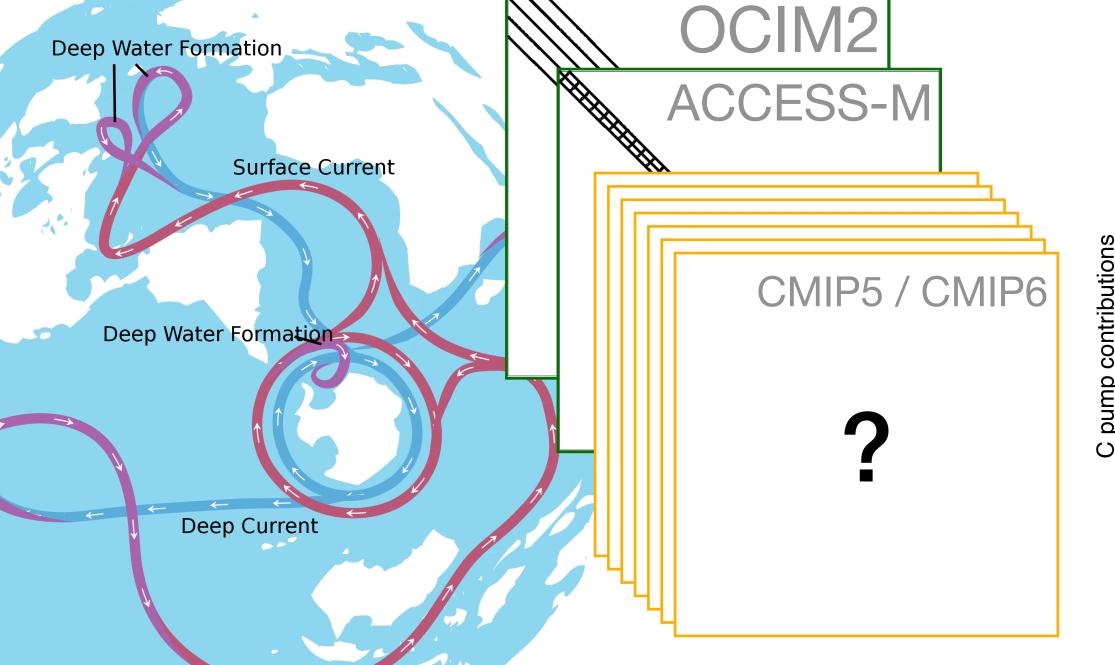
## Setup: Built PCO2, a simple\* BGC model,

## PO4bar PO4 PO4 POP ResPOP POC5 POC5 POC5 POC6 POC6 POC6 POC6 POC8 POC8

## 1. Optimise (reduce mismatch with obs.)



embedded in a simple ocean circulation model in matrix form



## 2. Produce new science / novel diagnostics

