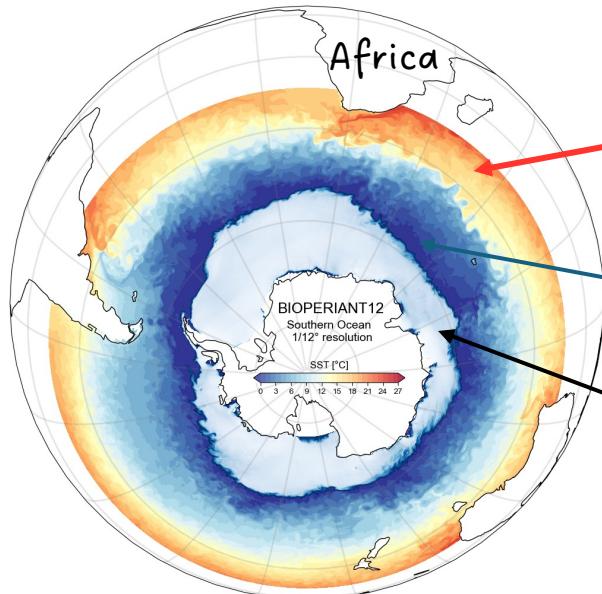


Ocean Surface Temperature Blanket

Below is a snapshot of temperature at the ocean surface from an ocean model simulation.

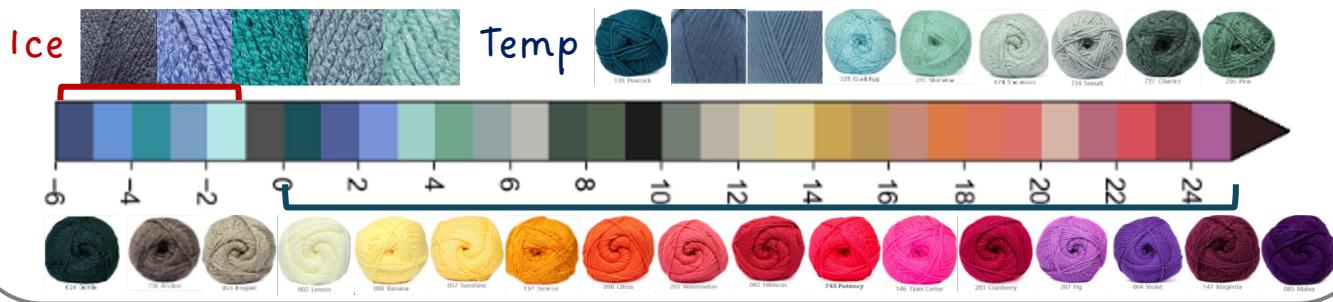


Reds indicates warm waters such as from the Agulhas Current flowing off the east coast of South Africa.

Blues show colder waters of the Southern Ocean.

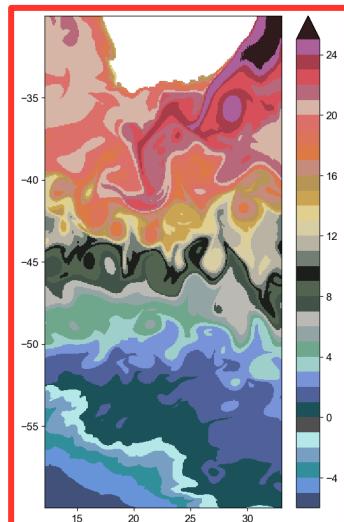
White/blue shading shows ice coverage around Antarctica.

To represent ocean surface temperature in yarn, I chose different yarn colours for each temperature (and ice concentration).

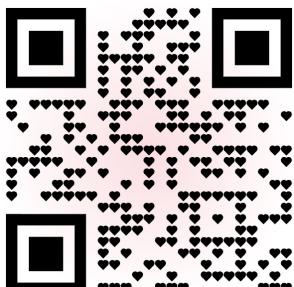


1 model grid point = 1 single crochet stitch

I thus chose a **subset** (right) of the circum polar model because the full surface domain has 4,8 million grid points.



About the “artist”: Dr Nicolette Chang is a senior technologist at SOCCO, CSIR, Cape Town. She specialises in computational ocean modelling and struggles with crochet, as shown by this uncompleted blanket.



SOCCO
Southern Ocean Carbon-Climate Observatory