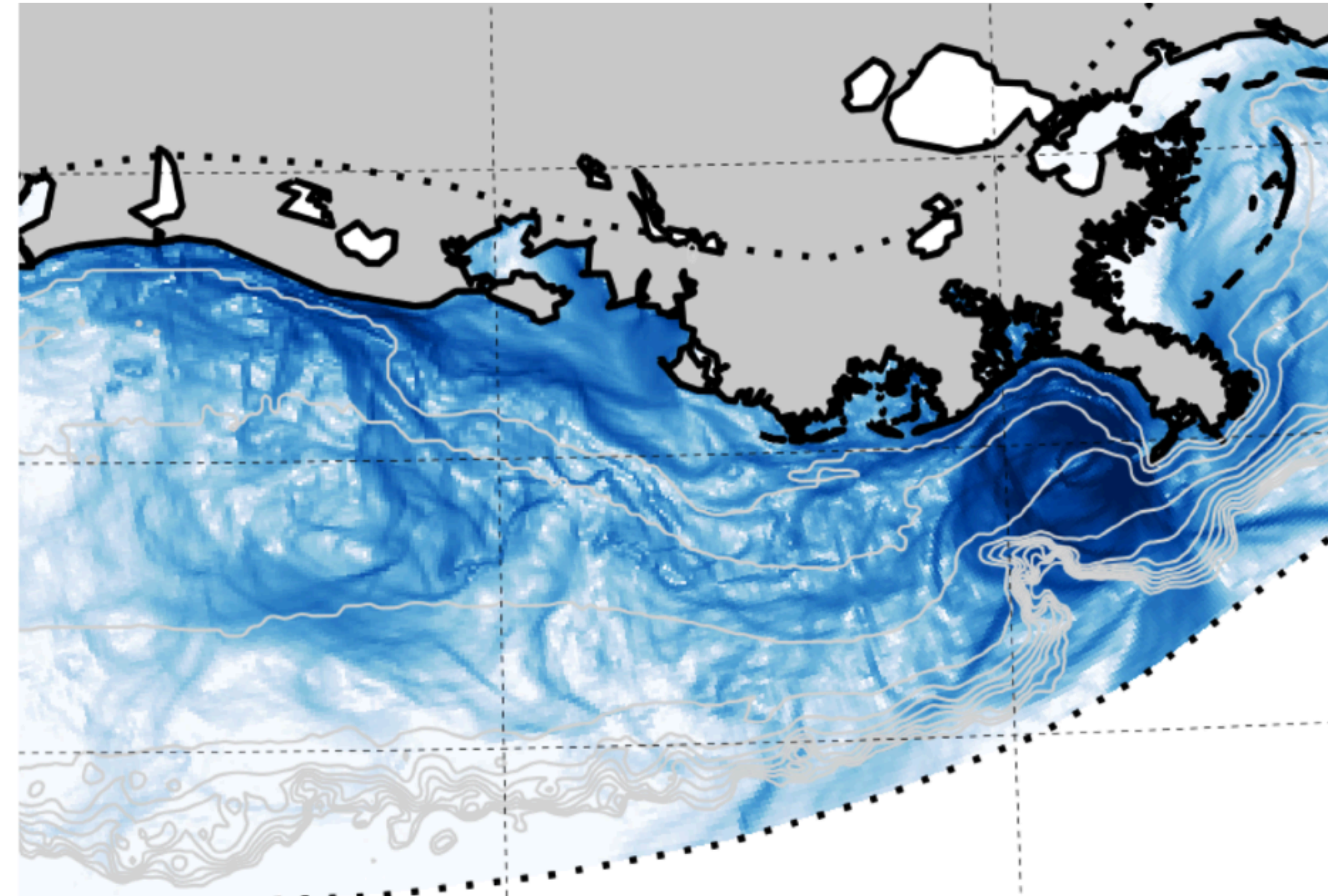
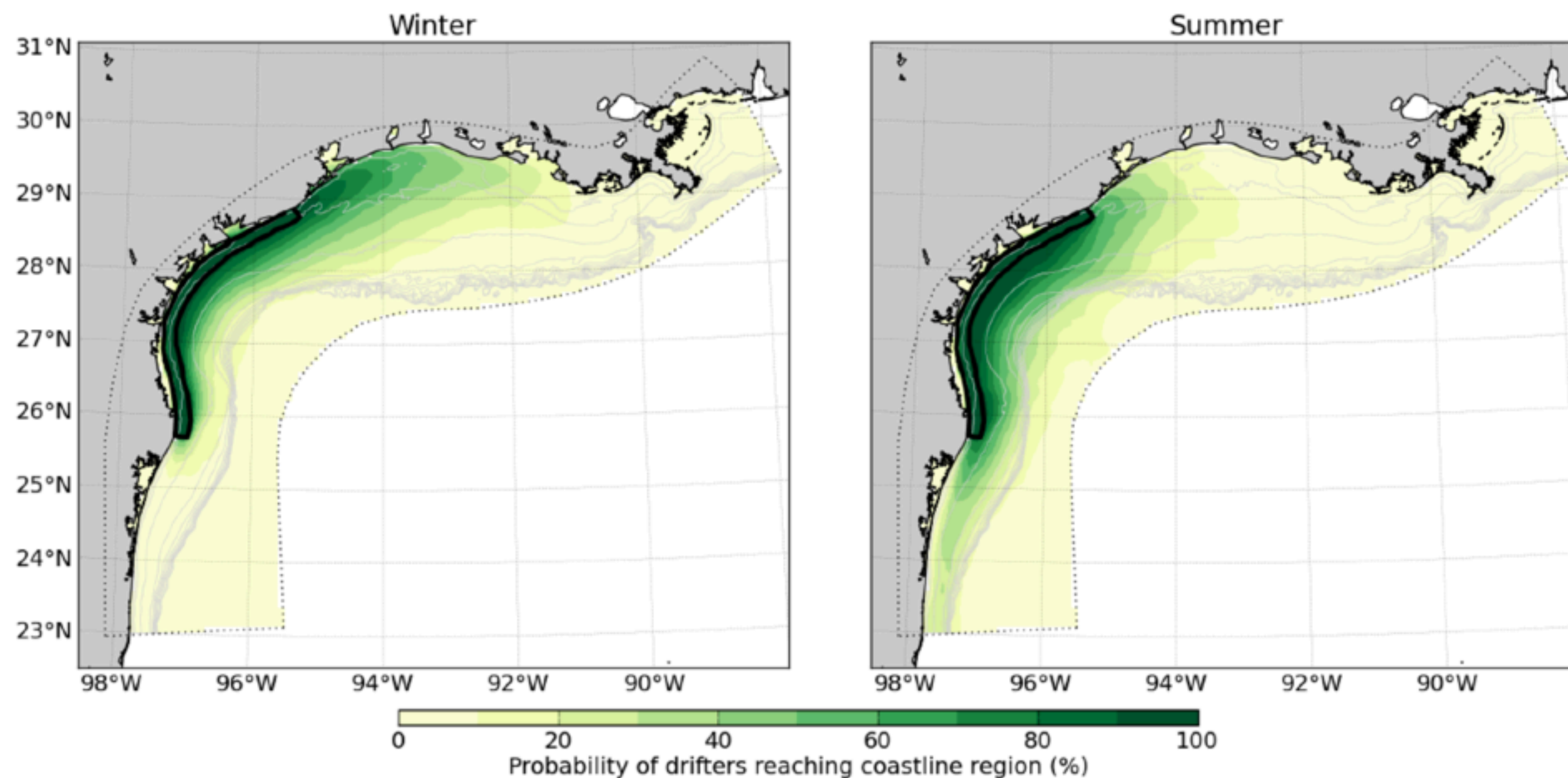


# Tracpy model

Drifters in oceanography will often be released on the sea surface, and allowed to be passively transported with the flow, reporting their location via GPS at regular intervals.

In this way, drifters are gathering data in a **Lagrangian perspective**.

Looking at drifter tracks help to better **understand the dynamics of the underlying circulation fields**.



**K.M. Thyng**

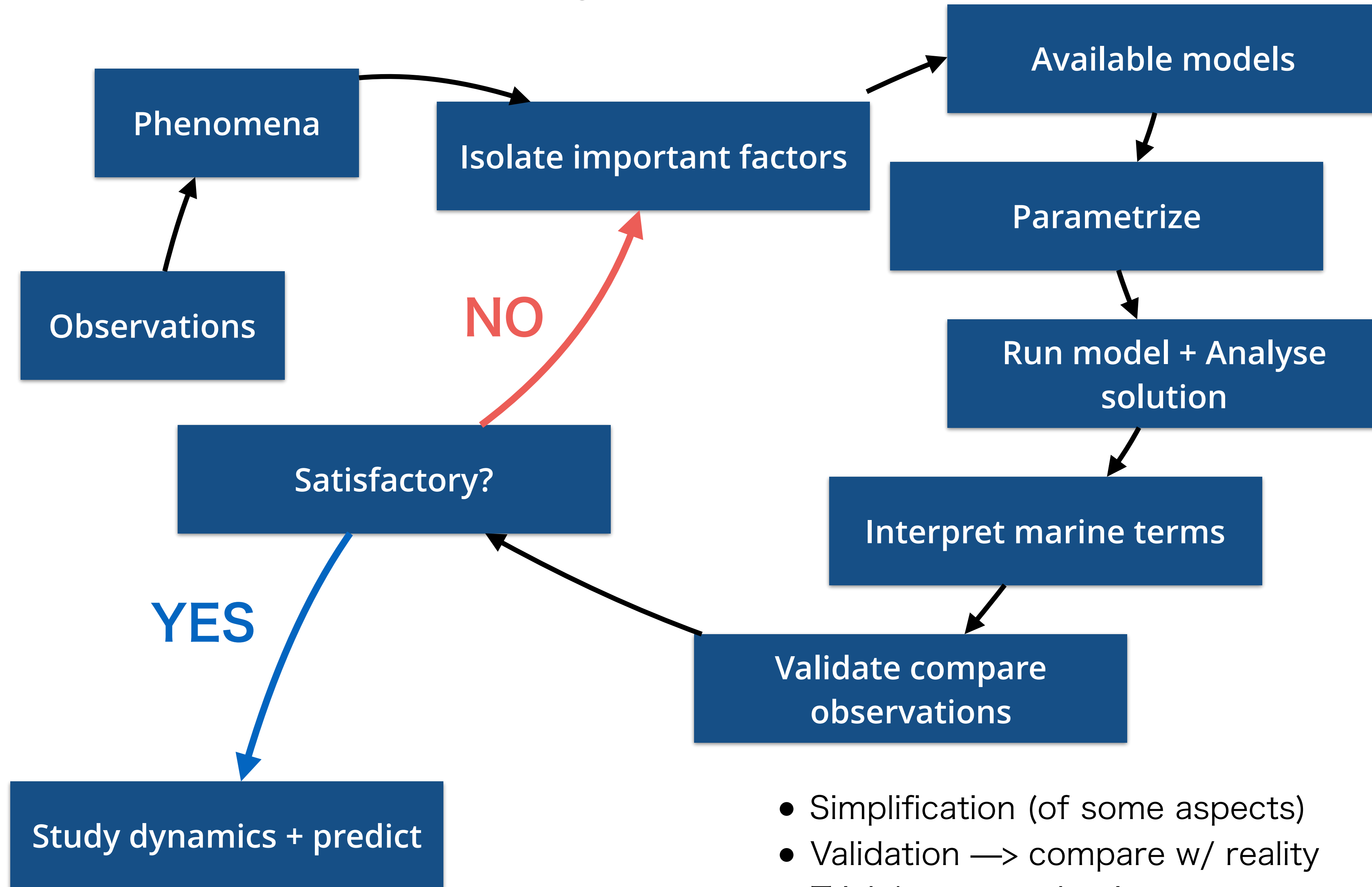
Integrated pathways of drifters in the Gulf of Mexico.

<https://www.youtube.com/watch?v=8polWacun50>

Connectivity of waters over a 30 day time period, for the winter and summer months. Averaged over the years 2004-2010.



# Modelling marine processes



- Simplification (of some aspects)
- Validation —> compare w/ reality
- Trial / error —> lots!