

# Modeling of a Coastal Upwelling Region using Scatterometer Based Bias Corrections of ERA5 Winds

Ethan E. Wright, Mark A. Bourassa

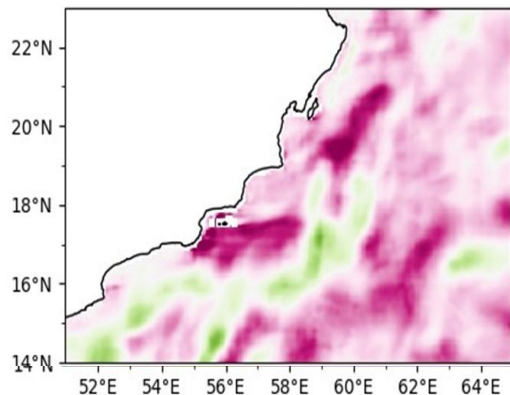
With support from Marcos Portabella and Eugenia Makarova

## ERASTAR

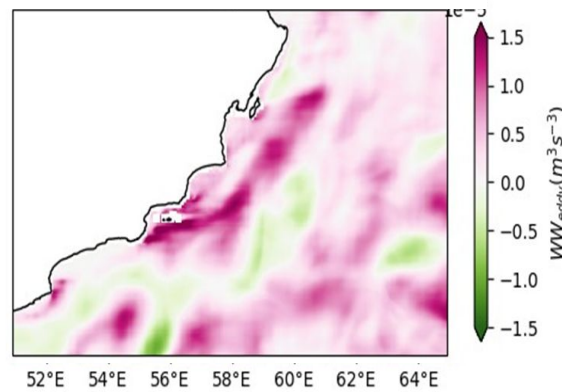
A correction of ERA5 output by means of geo-located scatterometer-ERA5 differences over 3-day time windows. Produced through the ESA World Ocean Circulation project.

2018 Summer Mean (JJA) Eddy Wind

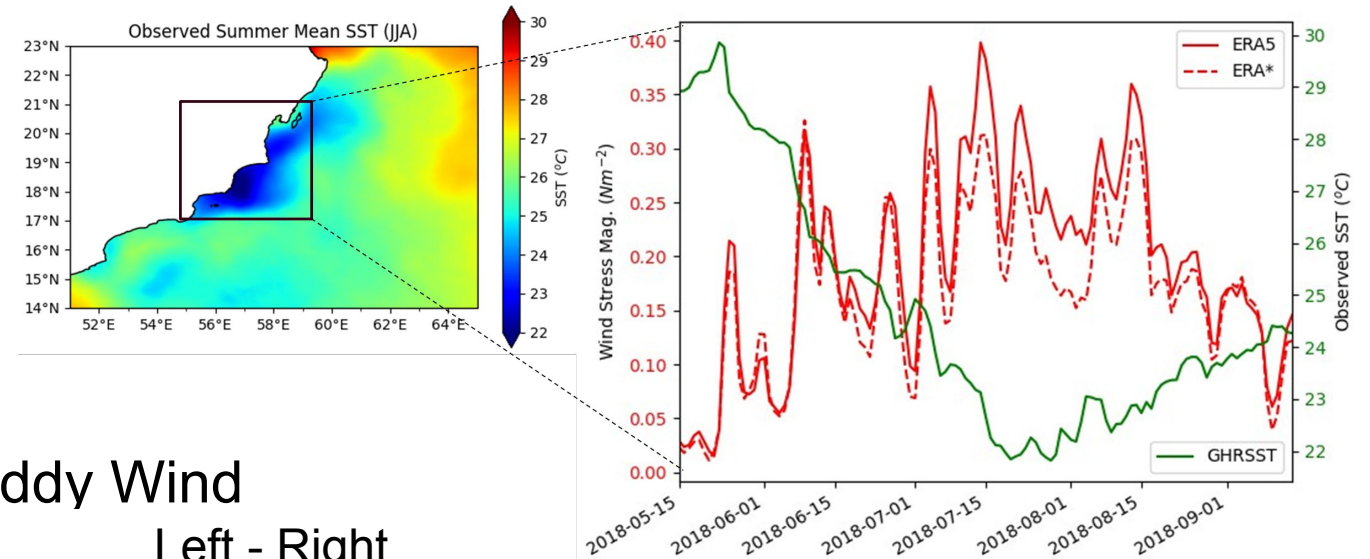
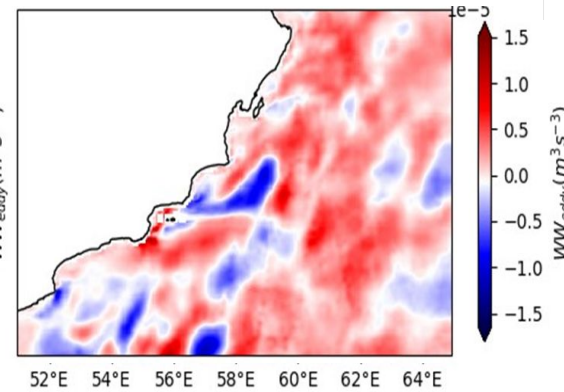
ROMS with ERAStar



ROMS with ERA5



Left - Right



- Comparisons include the seasonal development of EKE and SST.