

Sea-breezes

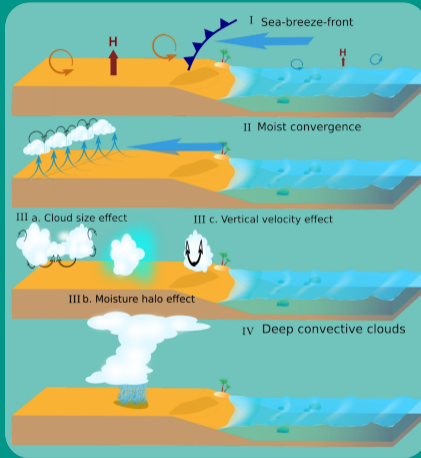
blowing in the UM?

Martin Bergemann

Monash Uni

September 26, 2017

Sea-Breeze \longleftrightarrow Deep Convection



Bergemann & Jakob (2016)

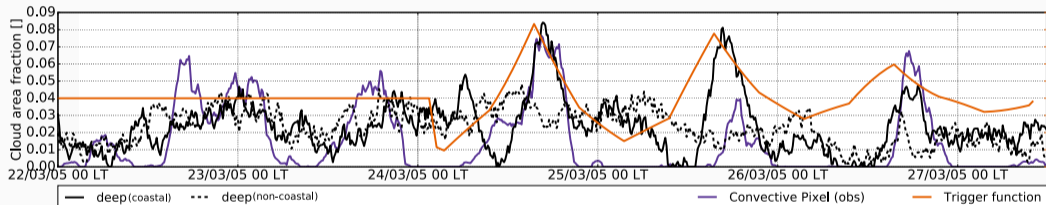


Simpsons et al. (1980)

A (Stochastic) Toy Model for Coastal Convection*

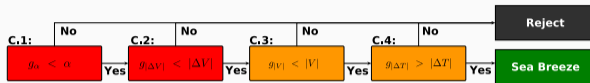
"decide" when, coastal effects (sea-breezes) present

"inform" the (any) Model about sea-breezes

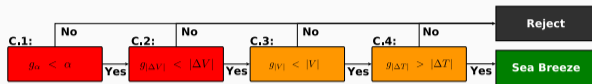


* *under review in JAMES* download via (arxiv.org/abs/1708.06868)

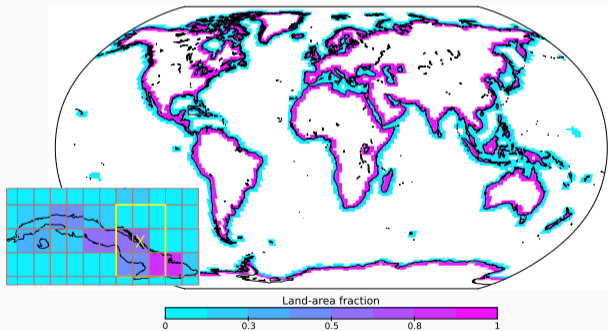
A sea-breeze diagnostic for the UM



A sea-breeze diagnostic for the UM



Coastal Area



A Snapshot (very very preliminary)

