## Relation between the physical processes and spectral nudging in simulating regional climate Yoo-Bin Yhang, and Song-You Hong



Compared to experiments without the SSBC individual experiment with the SSBC shows different added information in four convection scheme over land, whereas the spatial variability is decreased by using the large-scale nudging over the ocean because of less

. While a complete understanding of devious effect of spectral nudging has not yet been achieved, one of the comforting results of this investigation seems to be a clue to identify precipitation over w ✓ Large-scale errors in the regional domain interact with the small-scale and distort variability

in fields of precipitation, which is removed by large-scale error correction

narameterization schemes

 Note that large-scale nudging decreases systematic error, which results in improvement in simulation of precipitation.

 As a result, eliminating model's sensitivity to convection scheme may t be a side effect induced by spectral nudging methodology

