

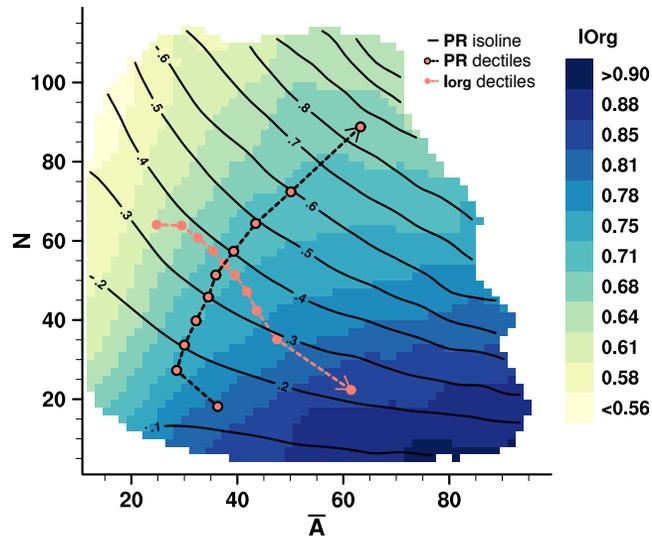
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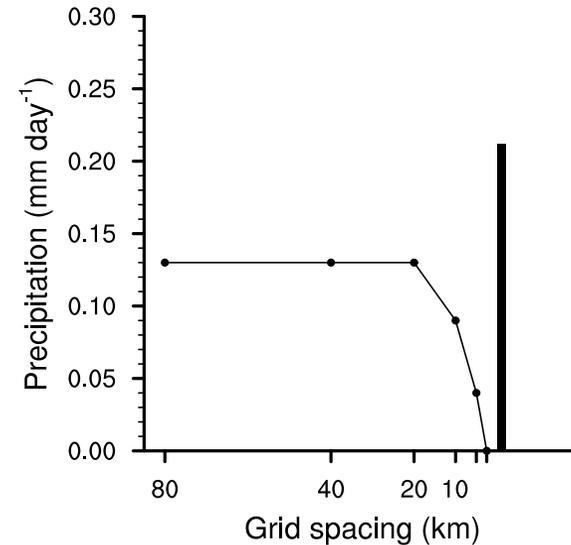
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- Mesoscale convective organization does not matter for precipitation



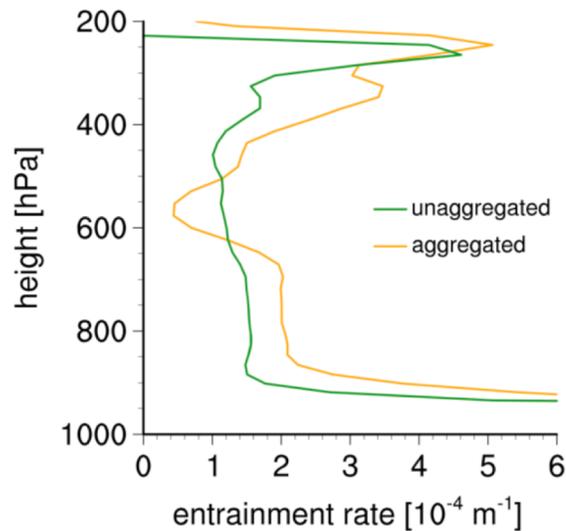
Brueck, Hohenegger and Stevens (2020)



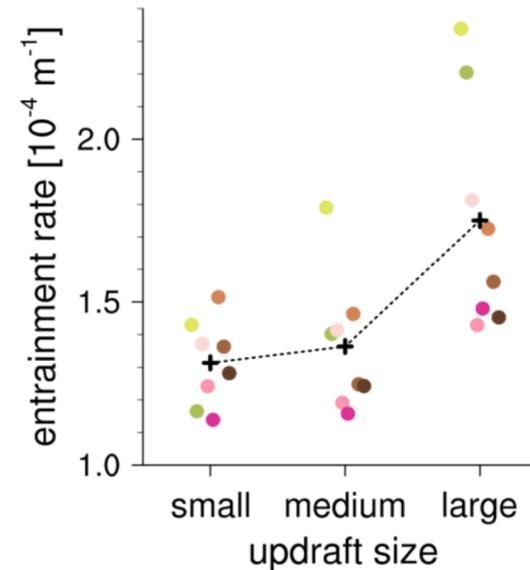
Hohenegger et al. (2020)

Why do we want to parameterize deep convection organization?

- Haven't been able to really do it over the last 45 years, in 5 years we will be running 30-year coupled global simulations with a grid spacing of few km
- Not clear how to do it, e.g. idea to parameterize organization via entrainment rate seems not supported



Becker et al. (2018)



Becker and Hohenegger (2021)