

# Allison Steiner

Assistant Professor, University of Michigan 2006-?

Postdoctoral Fellow, UC Berkeley 2003-2006

Ph.D., Atmospheric Science, Georgia Institute of Technology, 2003



# Major research interests

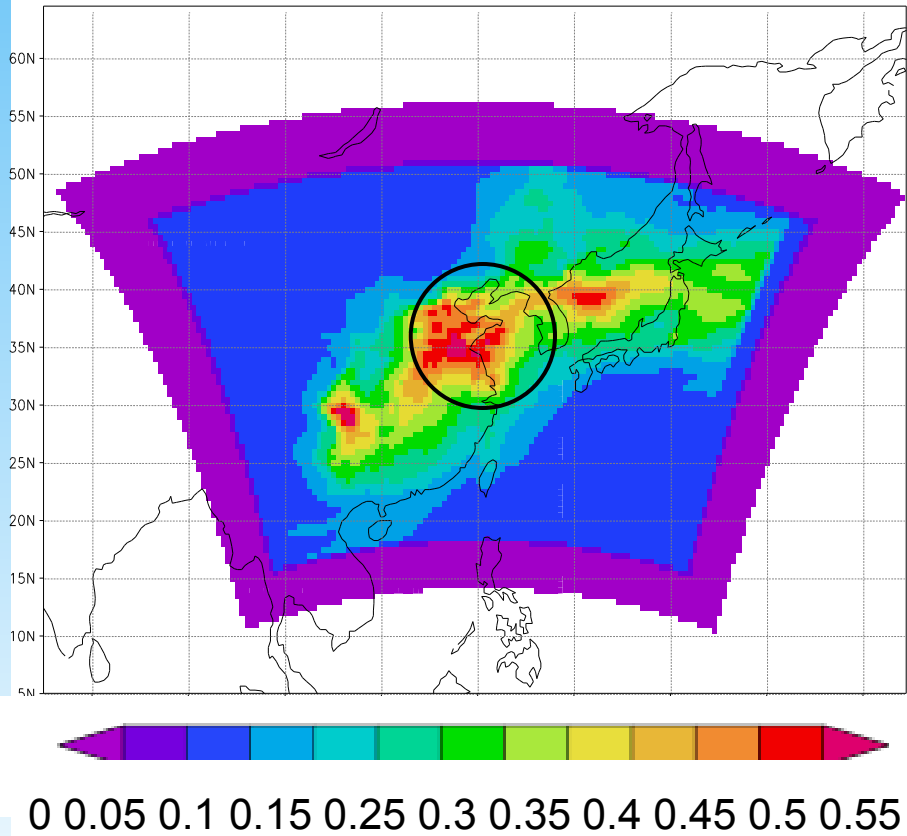
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- Past work
  - Modeling regional climate change
  - Climate change & biogenic VOC emissions
  - Interaction between atmospheric aerosols and the land surface

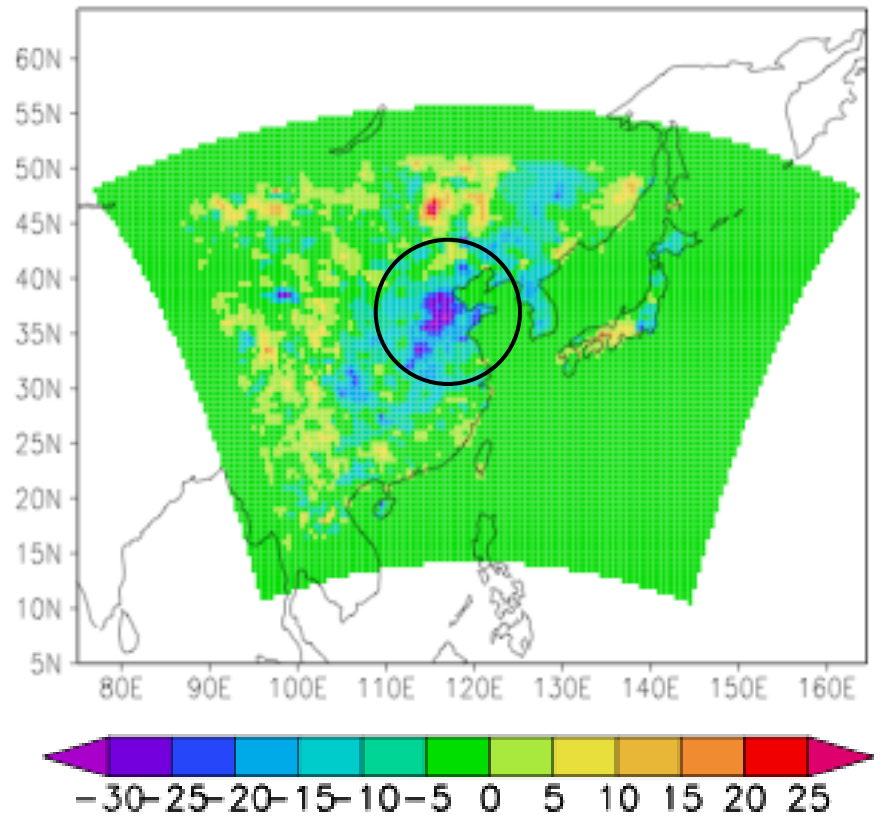


# Impact of aerosols on land surface

## Aerosol optical depth

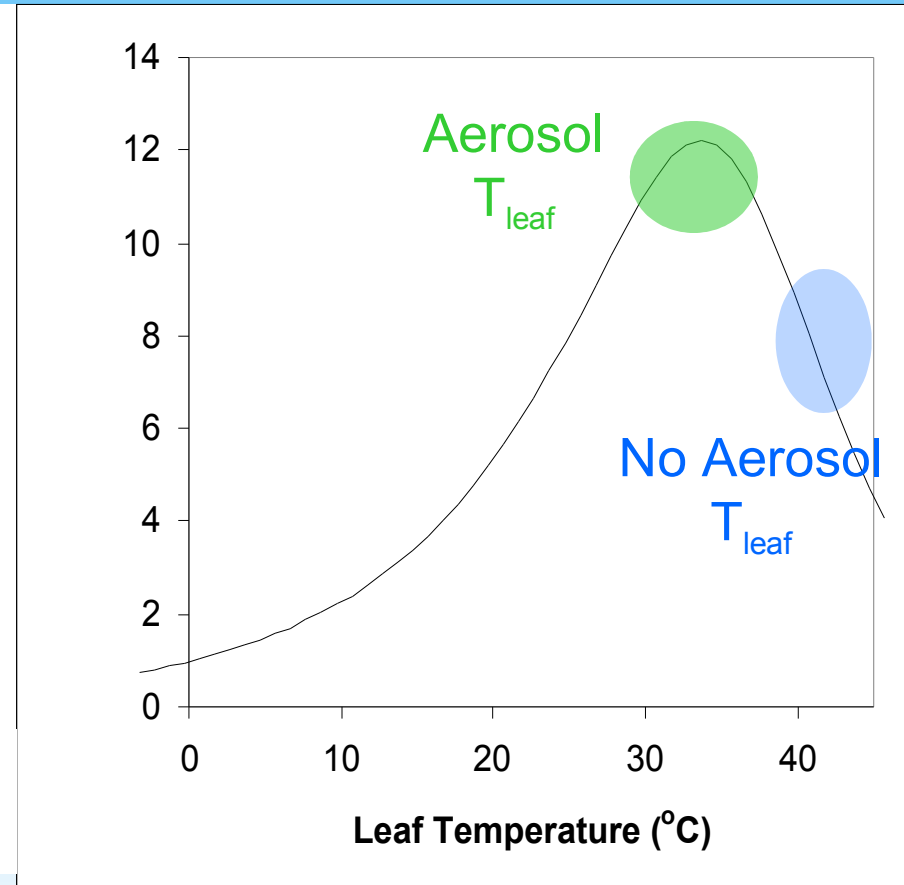
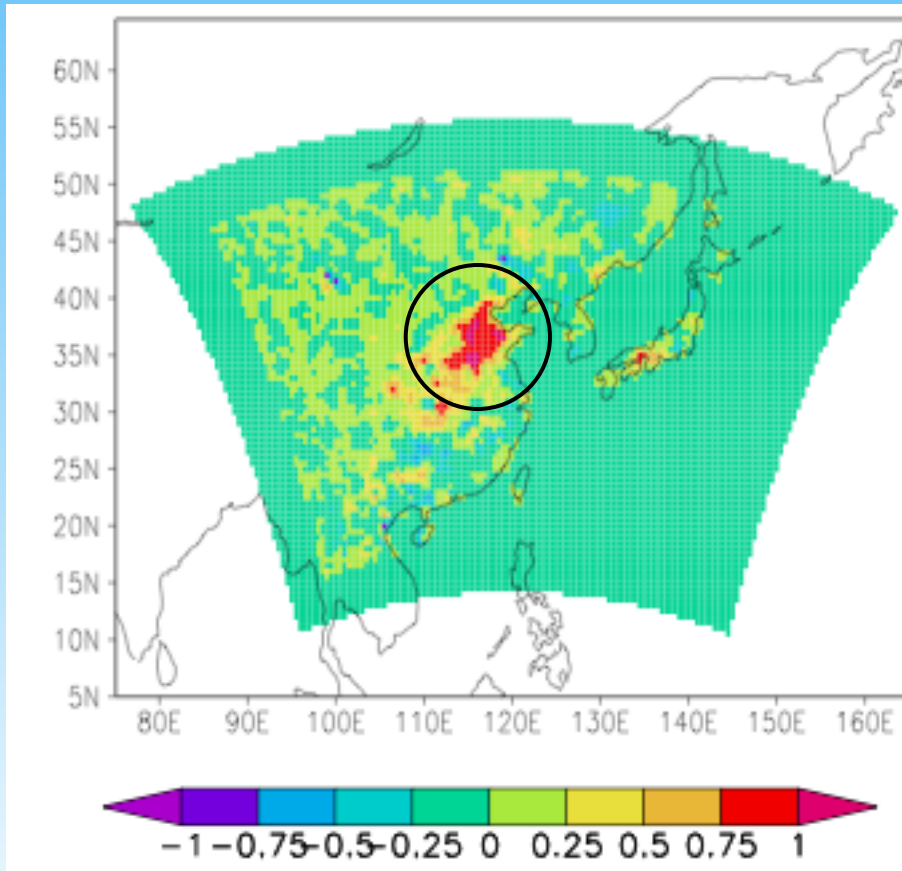


## Sunlit APAR ( $W m^{-2}$ )



# Thermal response may be crucial

Sunlit Photosynthetic Rate Sunlit PS vs.  $T_{\text{leaf}}$



# Future and workshop goals

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- Coupled chemistry-climate modeling
- Develop collaborations with measurement groups

