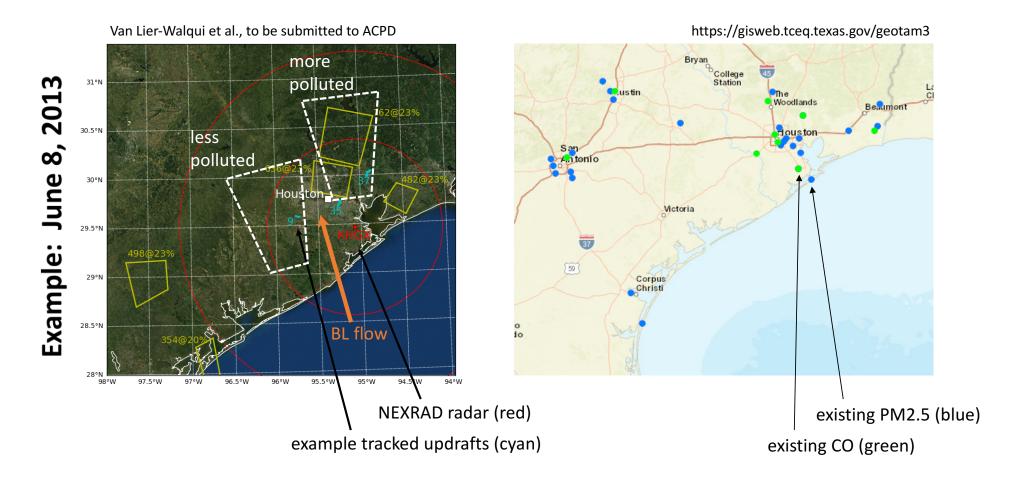
- Aerosol-Clouds-Precipitation-Climate initiative of iLEAPS
 - co-chaired by Johannes Quaas and Danny Rosenfeld
 - http://vandenheever.atmos.colostate.edu/ACPC
- Field campaign concept: study aerosol effects on deep convection (dynamical and microphysical)
 - target isolated updraft evolution in the Houston region
 - · aerosol perturbation exists under onshore flow conditions
 - isolated convection relatively susceptible to aerosol effects
 - regional modeling comparison study (using estimated aerosol perturbation)
 - currently five modeling groups participating (European and US)
 - proposed observing strategy
 - (1) track updrafts using multi-wavelength scanning polarimetric radar network
 - (2) deploy surface aerosol observing stations
 - required: two CCN stations (one downwind of Houston, one "clean" site to southwest)
 - desirable: four stations, CN, PSD, hygroscopicity, INP, profiles



Seeking: ASR collaborators to develop aerosol surface observation strategy **Contacts:** ann.fridlind@nasa.gov and graham.feingold@noaa.gov