Where is the common ground?
Air-sea interactions and teleconnections

Ecosystems
- Land/Soil transpiration, vegetation

General circulation
- Water transport

Cloud processes
- Microphysics, organization, thermodynamics

Models

Observations

Remote sensing

Boundary layer dynamics, fluxes

Historical climate proxy records
Grand Challenges
(Problems where water is central, and isotope information)

- Global water cycle, large-scale circulation
- Air-sea interactions, teleconnections
- Air-land connections, transpiration and ecosystems
- Atmospheric processes, clouds and precipitation

Models  Observations  Archives  Advances in proxies
Panel questions

• What is your wish list/essential needs? (Science opportunities missed, why missed?)

• What is the case you would make for “infrastructure” investment? (In what way is this presently hindered?) e.g., isotopes in all IPCC class models? Standardize remote sensing?

• Are there/what are the low hanging fruit? (where isotopic information acts as a constraint)

• Why is it that isotopes are not part of the core of your discipline?