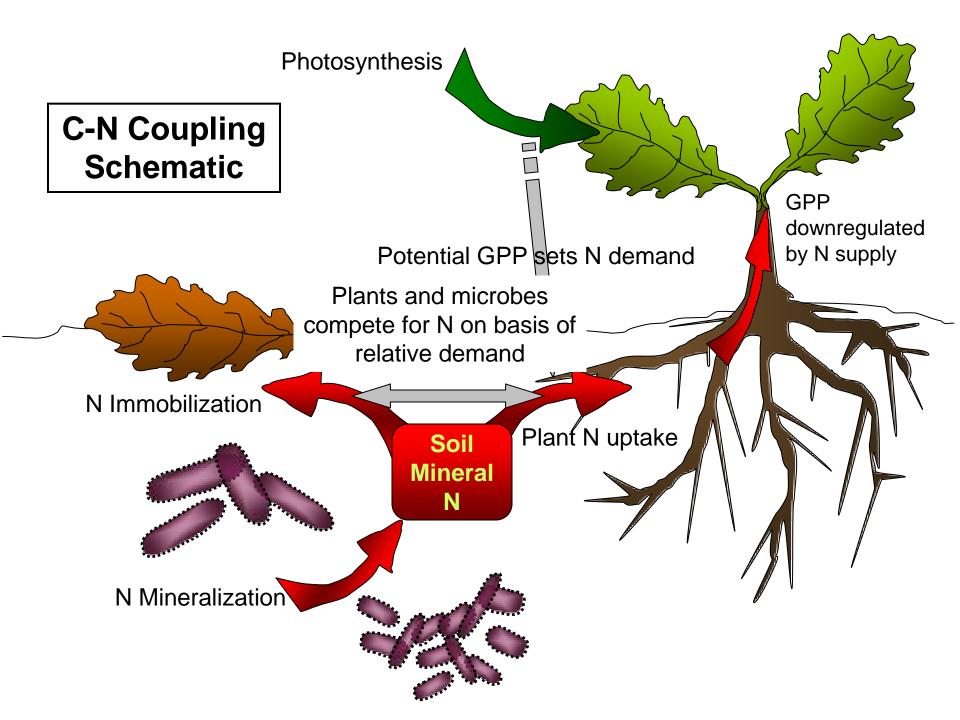
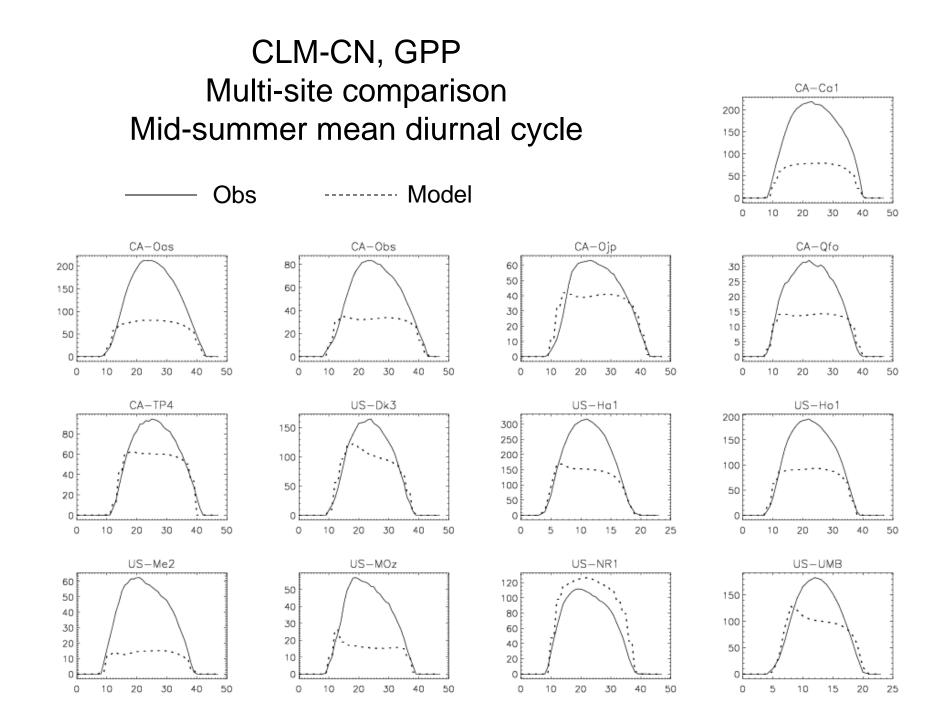
Evaluating modeled carbon state and flux variables against multiple NACP observational datasets

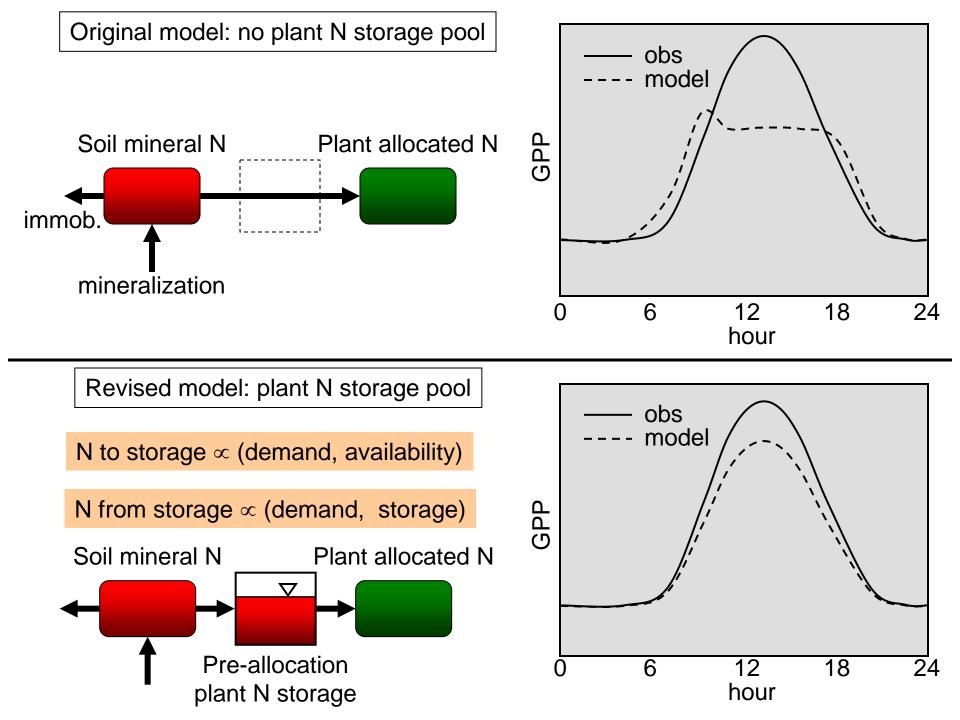
> Peter Thornton, Gautam Bisht and Daniel Ricciuto

> > LMWG, 2011



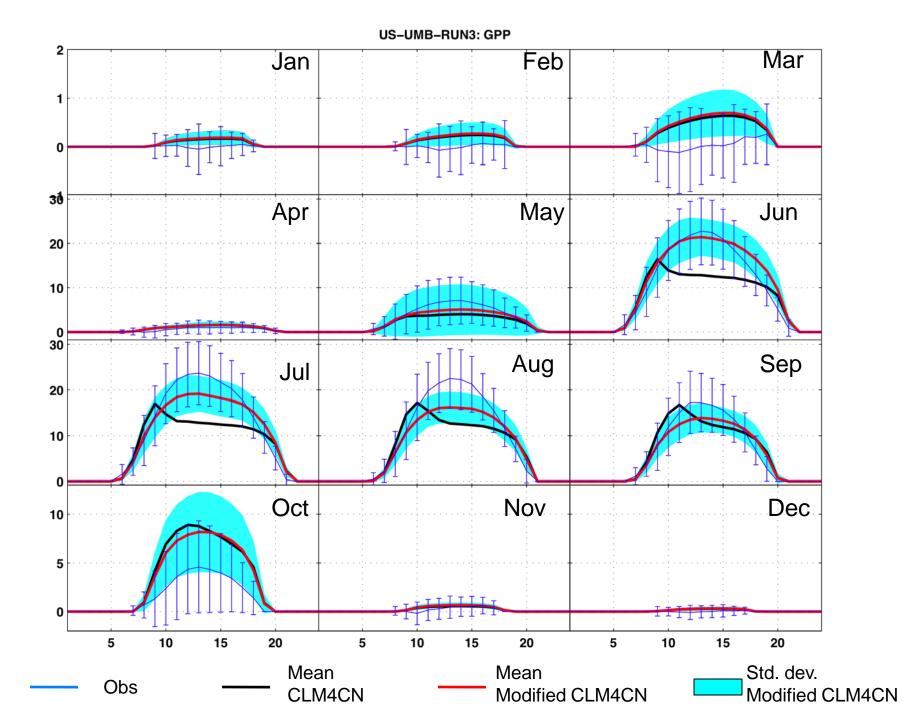




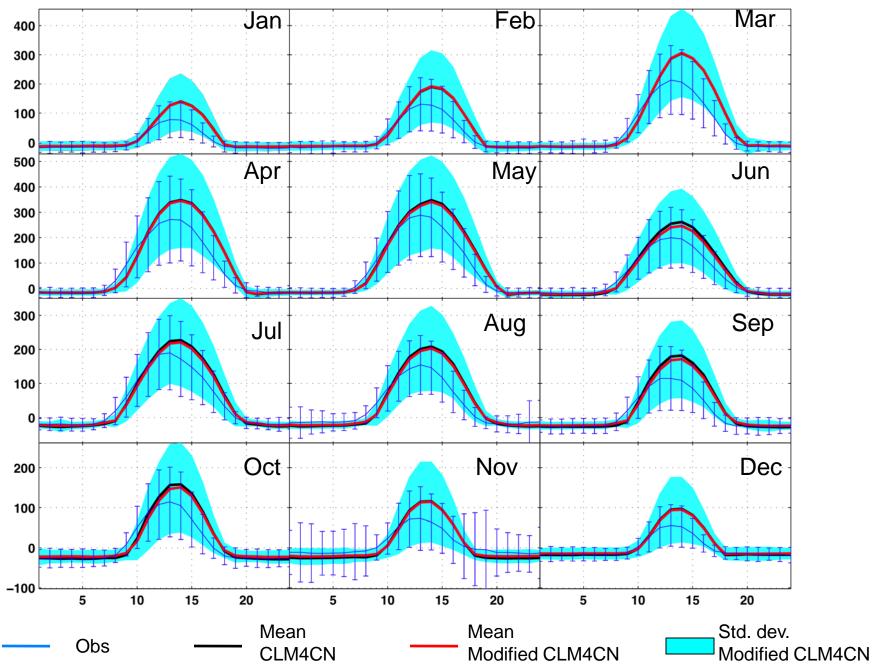


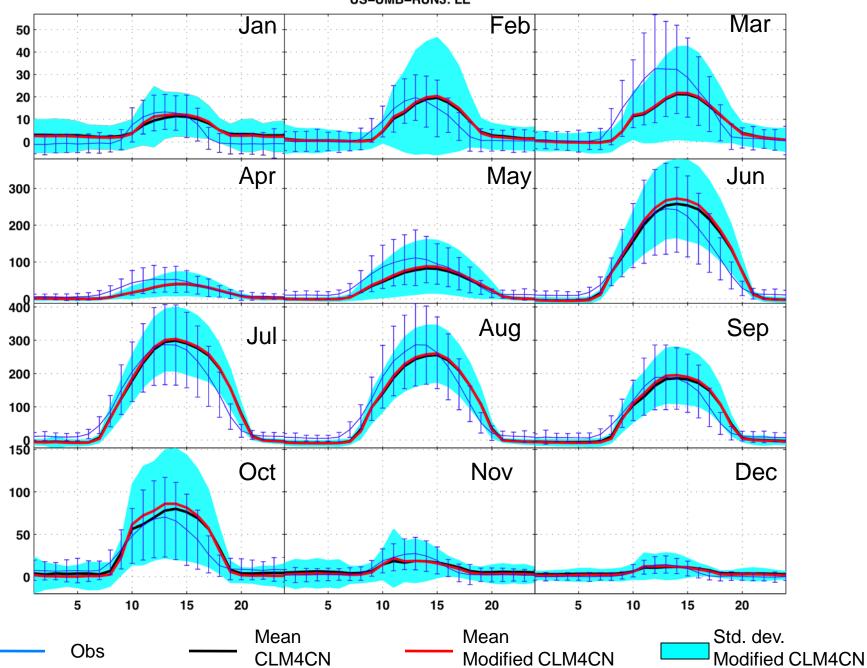
This approach works to some extent at all sites...

Best example: University of Michigan Biological Station (US-UMB)

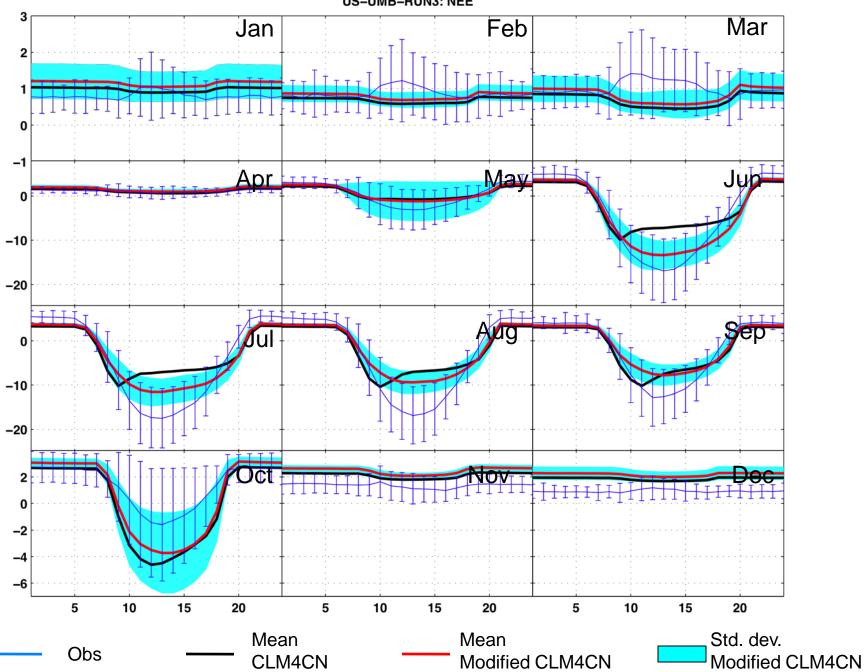


US-UMB-RUN3: H



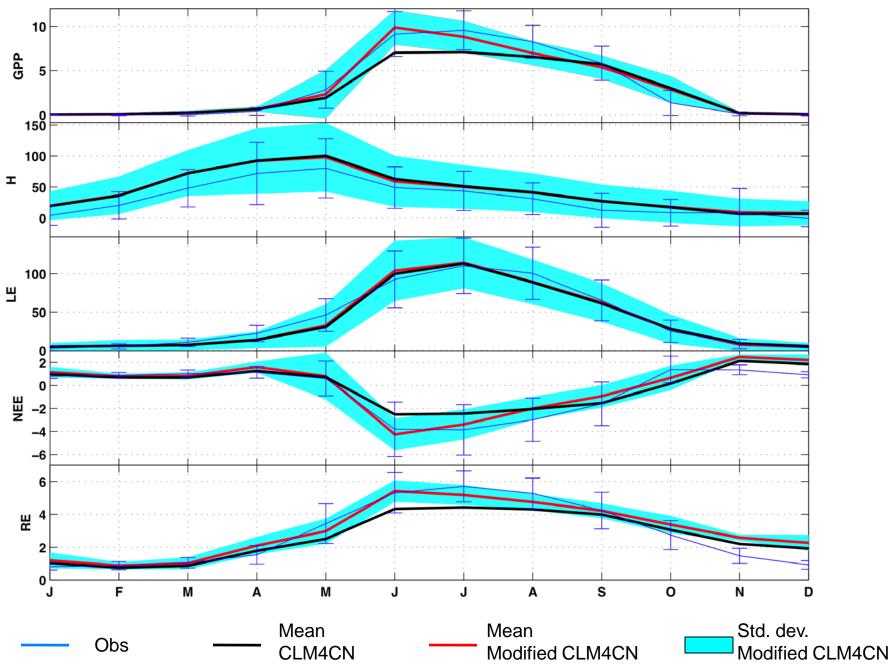


US-UMB-RUN3: LE

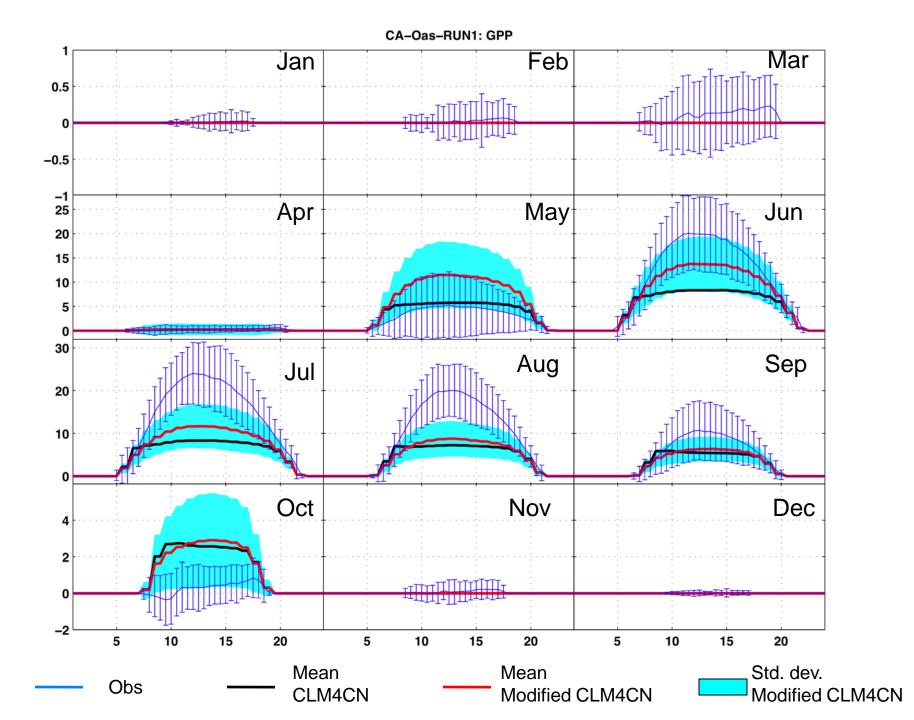


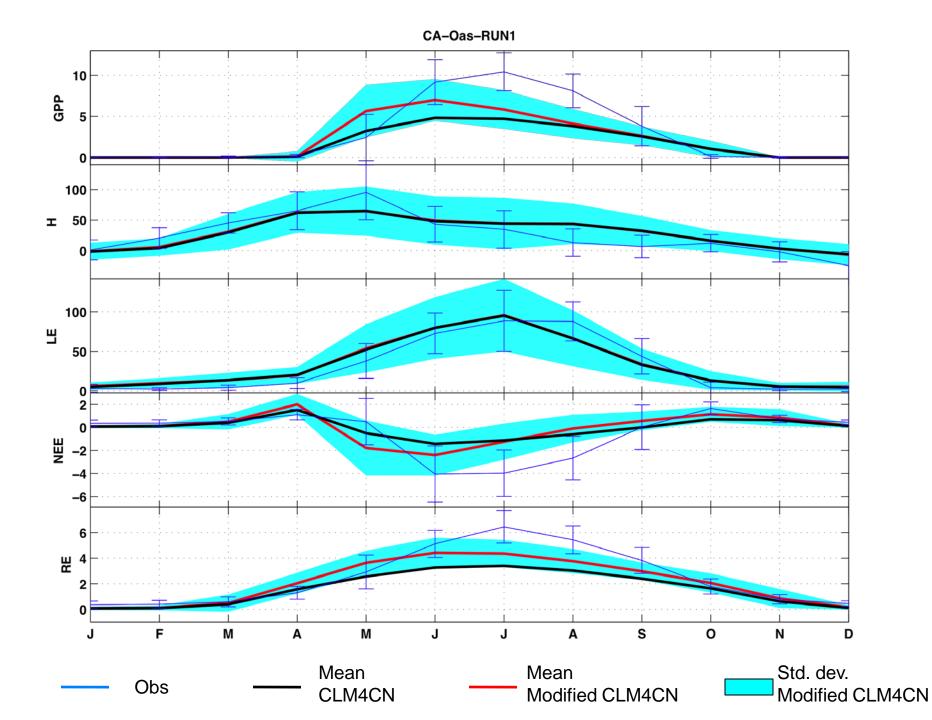
US-UMB-RUN3: NEE

US-UMB-RUN3



...but at many sites there is still a significant bias in the seasonal cycle of GPP, Re, and NEE Typical example is the Old Aspen site (CA-Oas)





Next steps:

- Exploring additional modifications to the N storage pool algorithm to improve lateseason N availability.
- Depth-resolved soil organic matter may play an important role in setting the seasonal cycle of Re and N availability in colder climates, which would influence GPP and NEE.