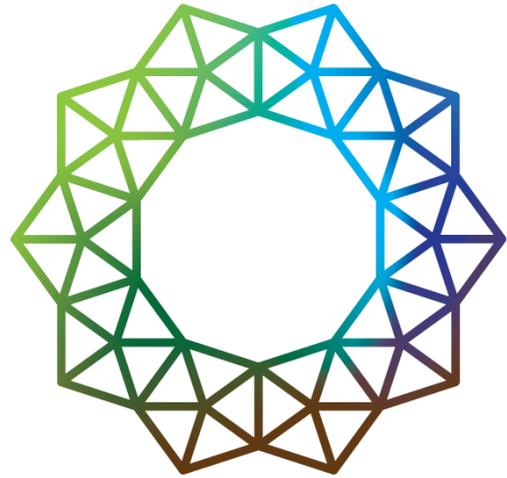


# The power of linking networks\*

## Themes:

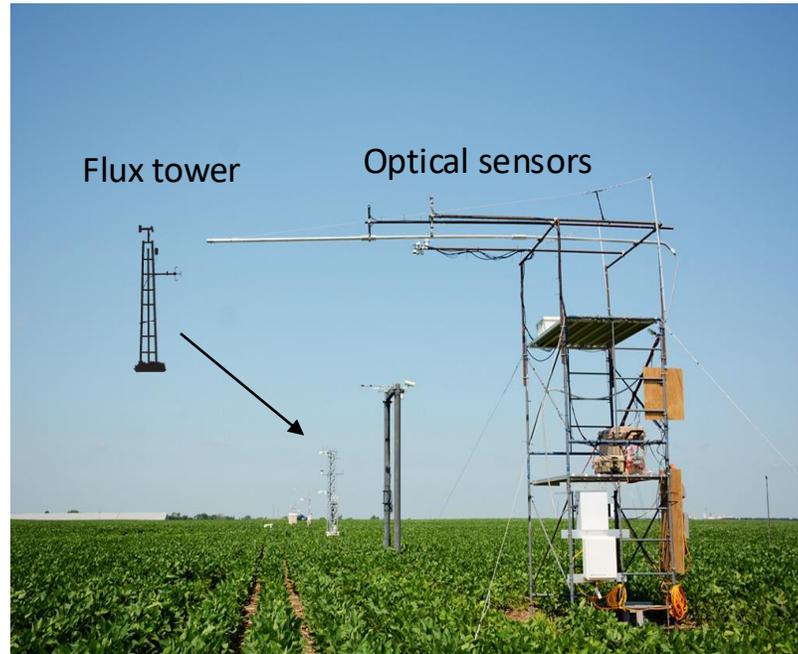
Photosynthesis, plant stress, carbon & energy budgets

Agricultural productivity & resilience

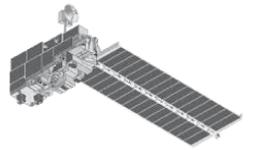


## AMERIFLUX

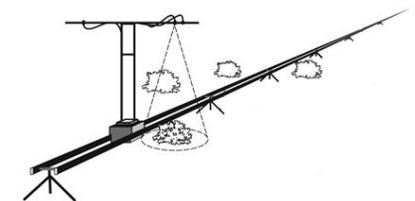
Surface-Atmosphere fluxes  
of mass and energy



Carbon Sequestration Plot 3 (A. Suyker)  
ENREEC, Mead, Nebraska



Linking remote sensing & flux sampling



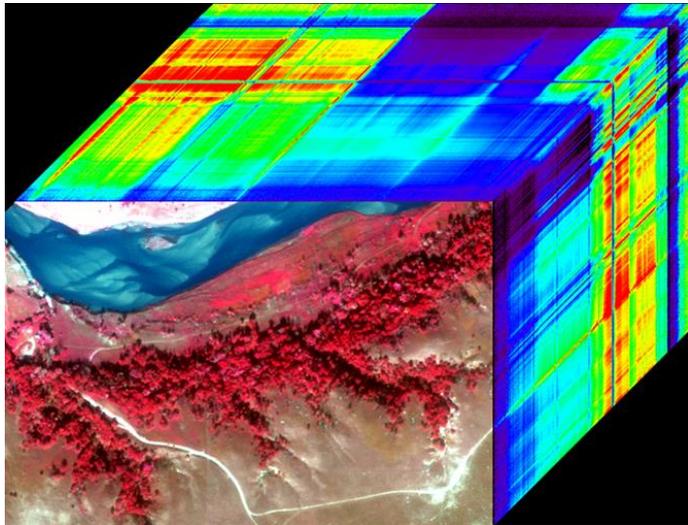
*\*Remote sensing, cyberinfrastructure, and informatics provide the “glue”*

# Satellite, airborne & field measurements

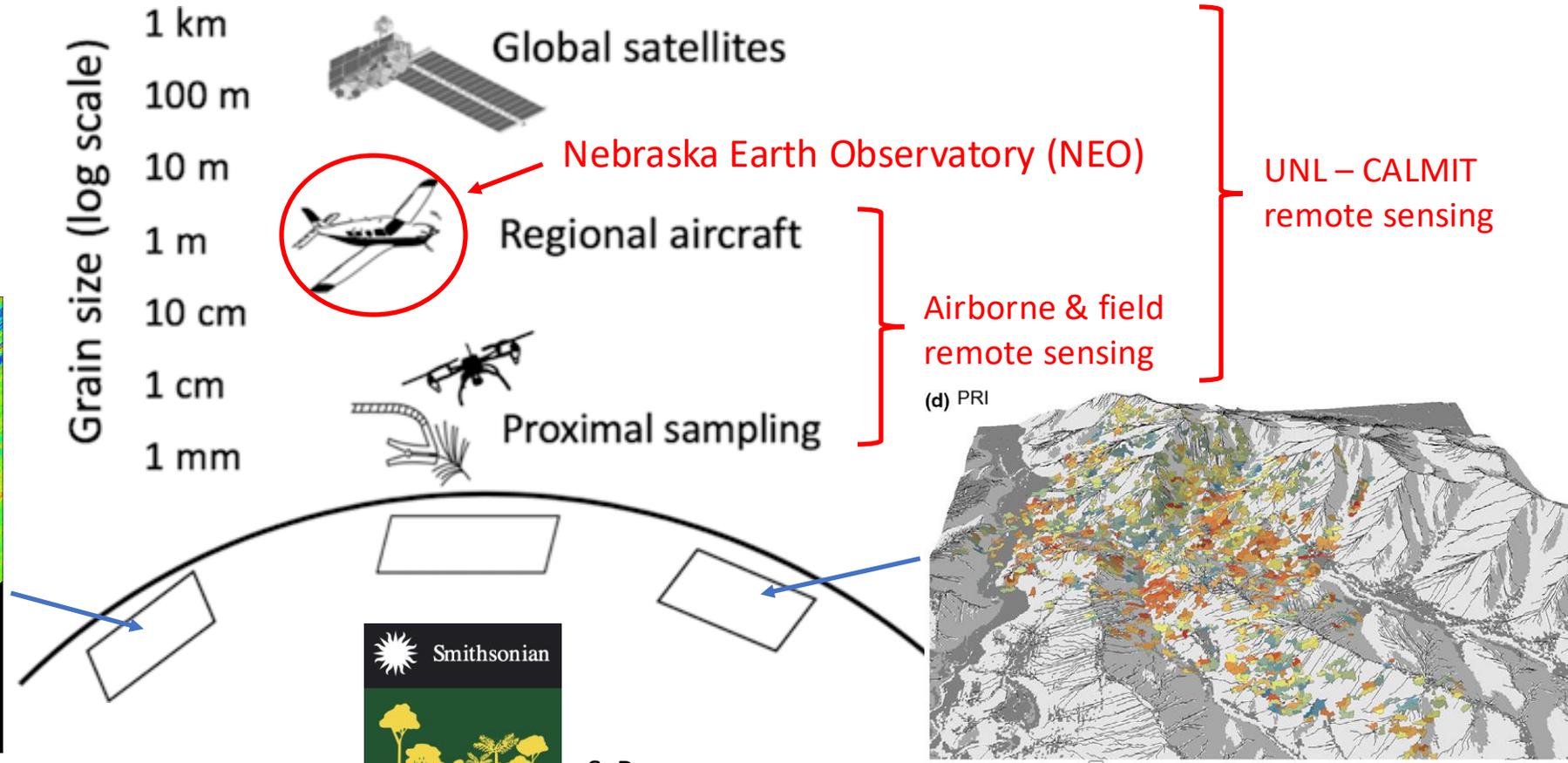
(horizontal & vertical integration)

## Themes:

- Biodiversity
- Pre-visual plant stress
- Forest resilience



Niobrara ForestGEO plot  
(hyperspectral data cube with false-color IR image) R. Wang (image processing)



Indian Cave ForestGEO plot  
Showing tree stress levels (PRI)  
Low stress High stress