



THE OHIO STATE UNIVERSITY

Agriculture Soils Working Group

CMASC



Working Group Expertise

Water

Hydrology
biogeochemistry

Plants

Crop sciences,
forages, ecology

Animals

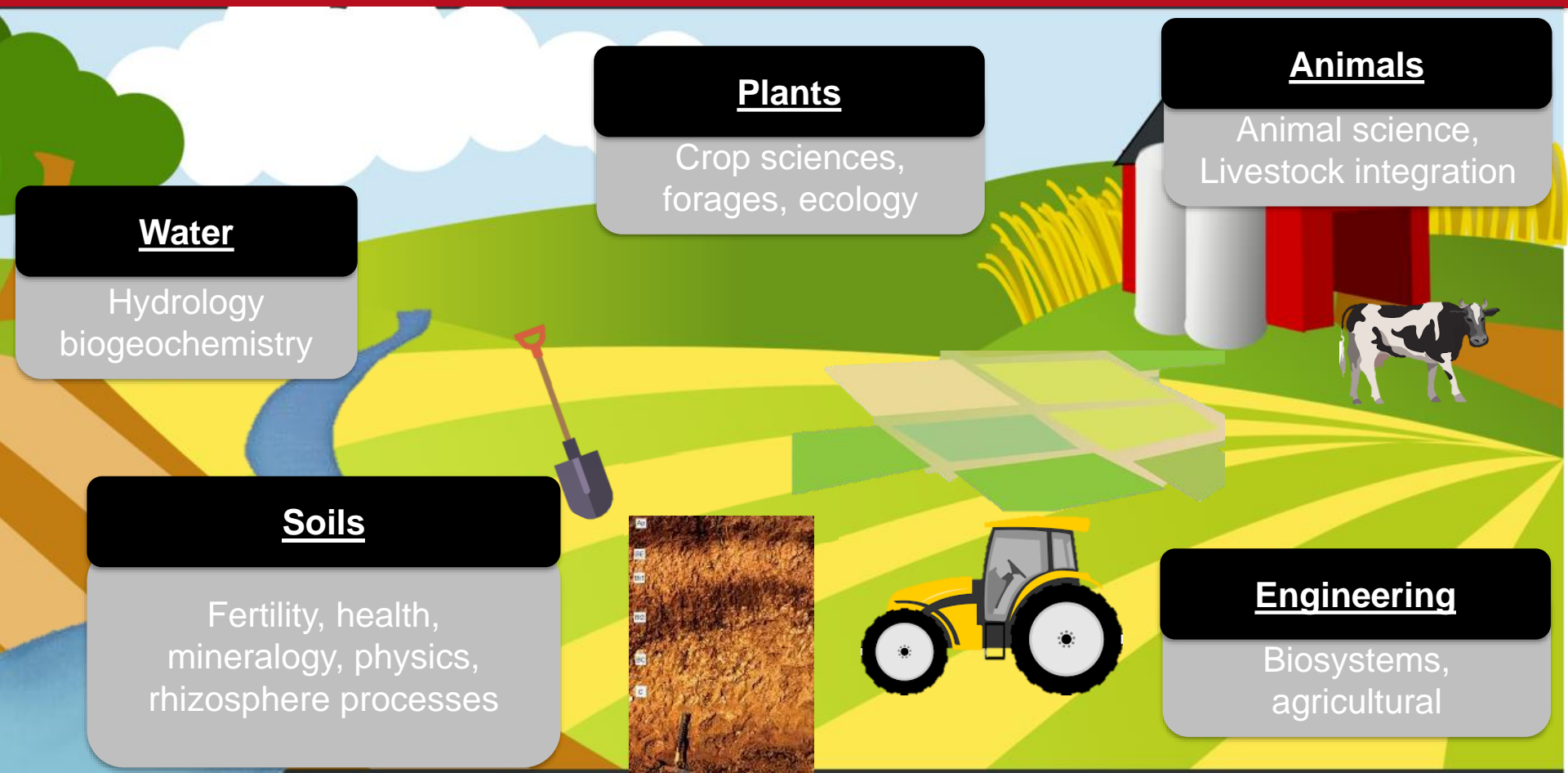
Animal science,
Livestock integration

Soils

Fertility, health,
mineralogy, physics,
rhizosphere processes

Engineering

Biosystems,
agricultural





Focus Areas

Emerging approaches

- New manipulative experiments
- rapid quantification

Long-term experiments

Triplett-Van Doren plots, OSU outlying research stations, Waterman Farm

Scales

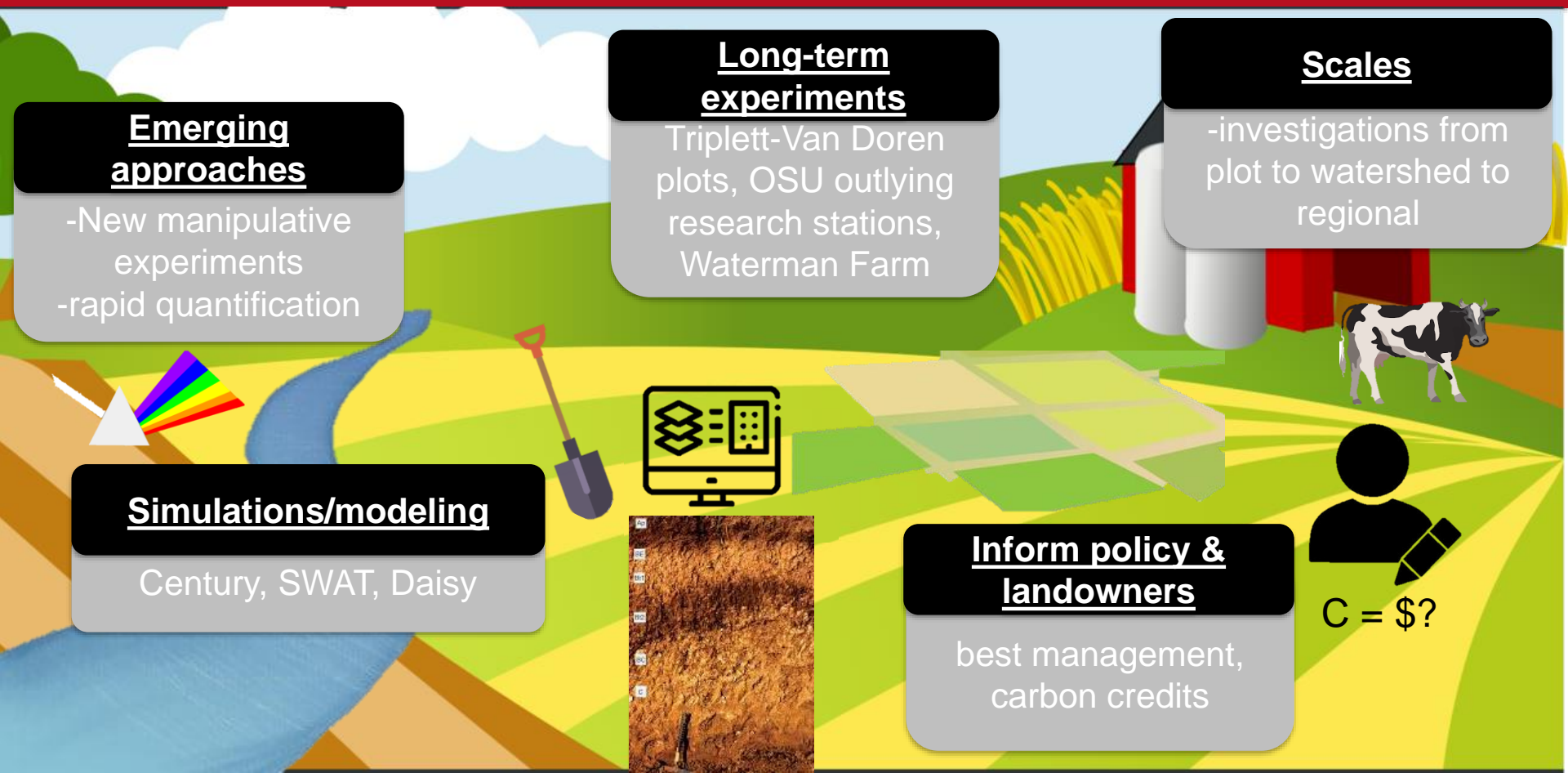
-investigations from plot to watershed to regional

Simulations/modeling

Century, SWAT, Daisy

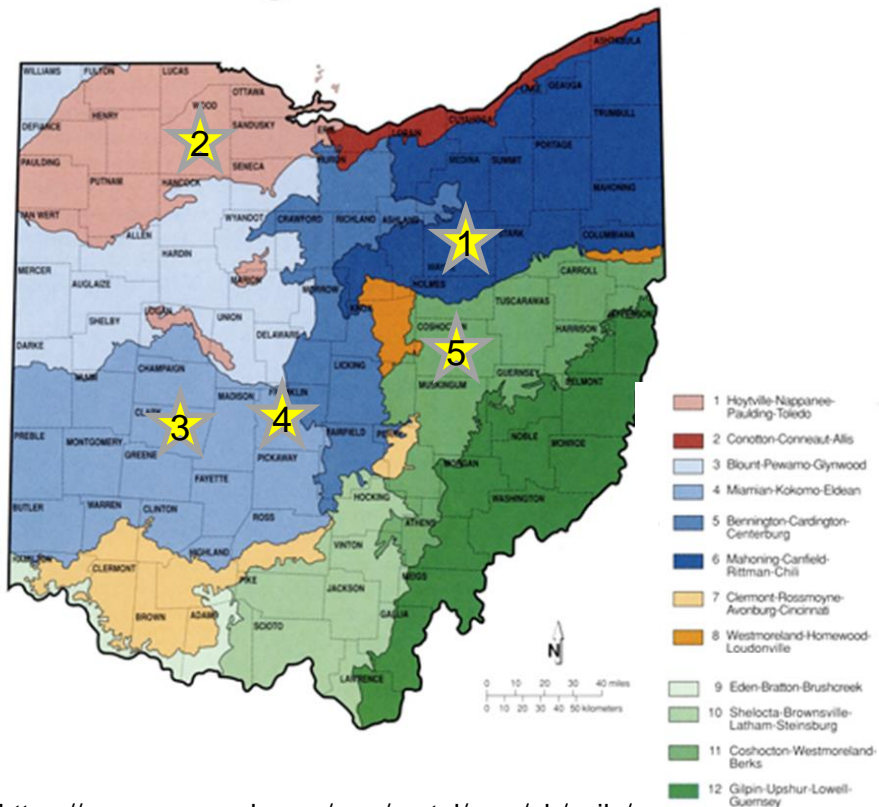
Inform policy & landowners

best management, carbon credits





Soil Regions of Ohio



Long-term sites

I: Wooster-glaciated Allegheny Plateau

II: Hoytville-Lake Plains

III: South Charleston-till plain

IV: Waterman Farm

V: Former USDA station Coshocton- unglaciated Allegheny Plateau