Natural science education in sustainable agriculture curriculum: *Context, experience, and interdisciplinarity*

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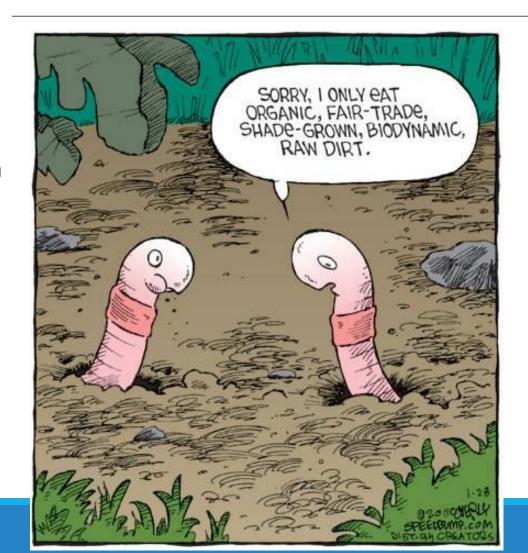
Introduction

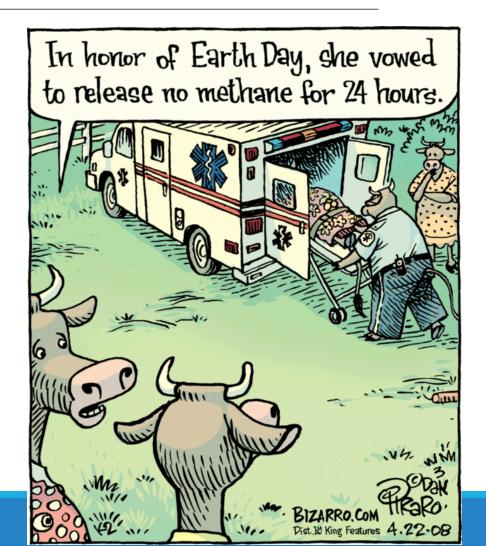
- 1. Some Context and Framing
- 2. Univ. of Kentucky Sustainable Agriculture and Community Food Systems Undergraduate Program
- 3. The Role of Experiential Education

The Natural Sciences in Context

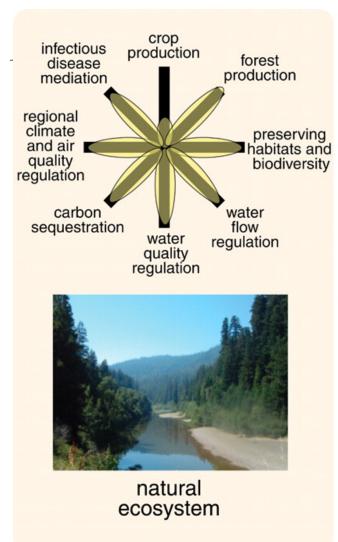
Trade-offs are everywhere.

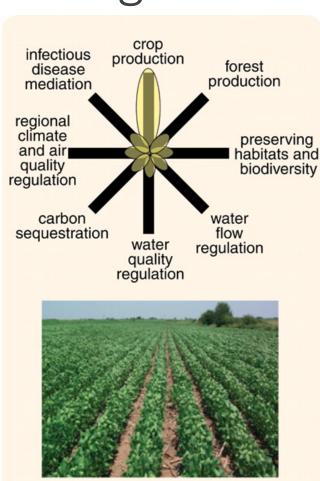
Food is a focus!

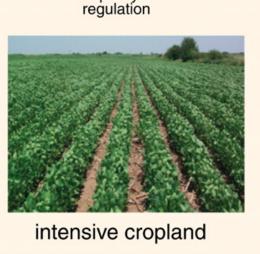


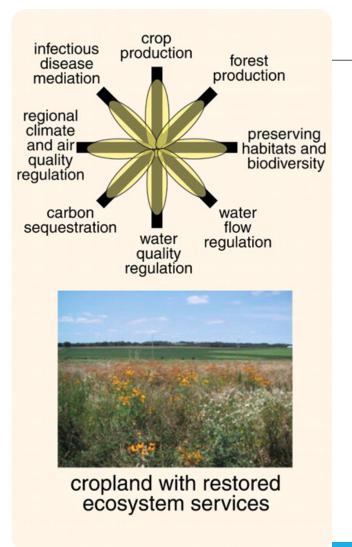


Our goal: an understanding of the mechanisms driving these "tradeoffs"

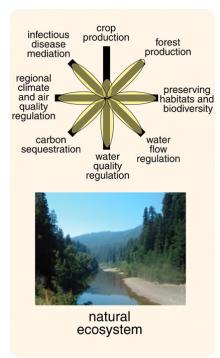


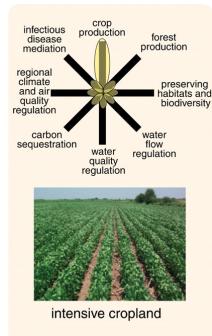


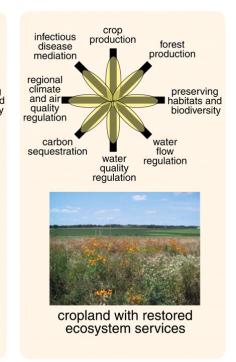




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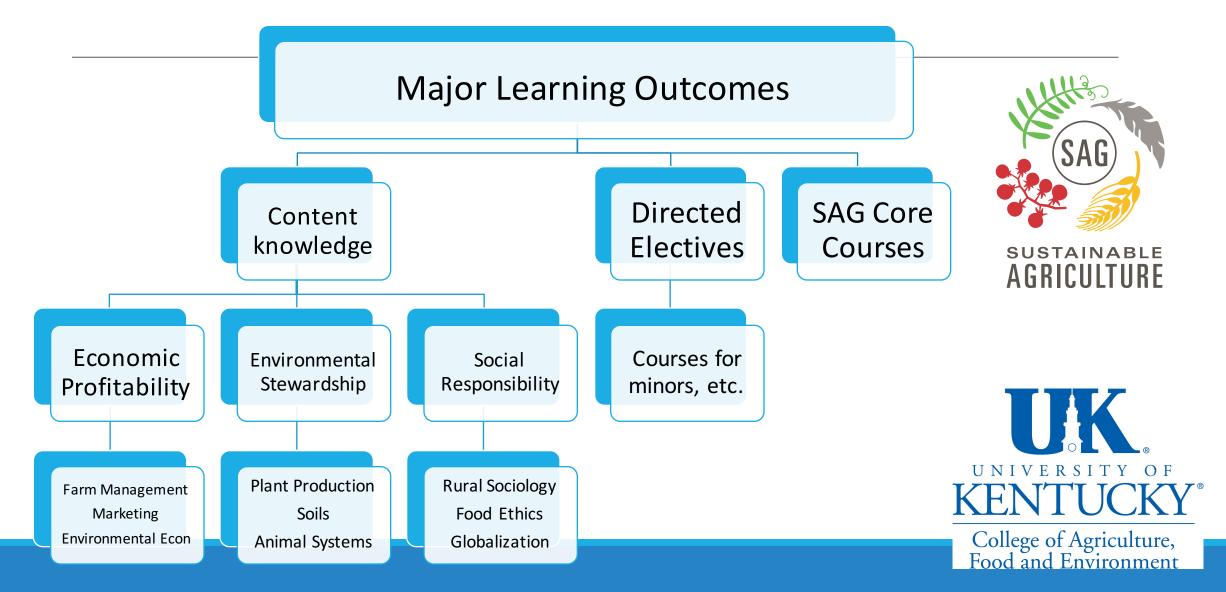




Skills our students need:

- ✓ Systems thinking
- ✓ Site-specific perspective
- ✓ In-depth content knowledge
- ✓ Understanding and appreciation of socioeconomic context

Sustainable Ag and Community Food Systems Undergrad Program



SAG @ UKY: Core coursework



SAG 101: Introduction to Sustainable Ag and Community Food Systems

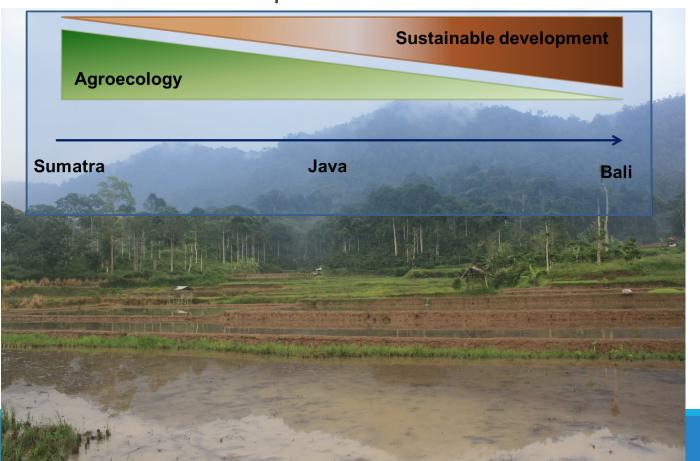
> SAG 201: Cultural Perspectives on Sustainability



Sustainable Agriculture

Expanding World Views

Tropical Agroecology and Sustainable Development in Indonesia







Engaging with a community of sustainable ag educators



Thank you!

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