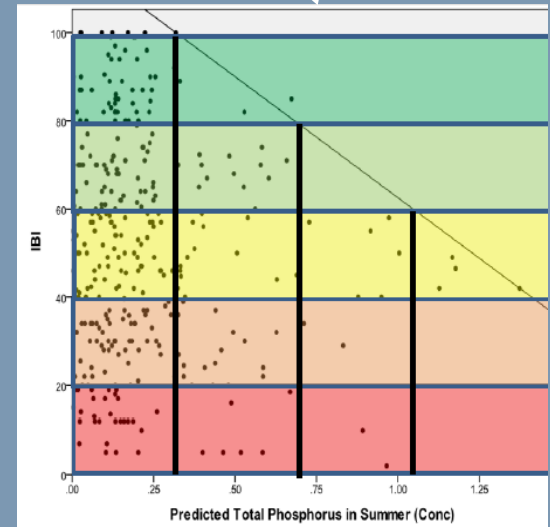
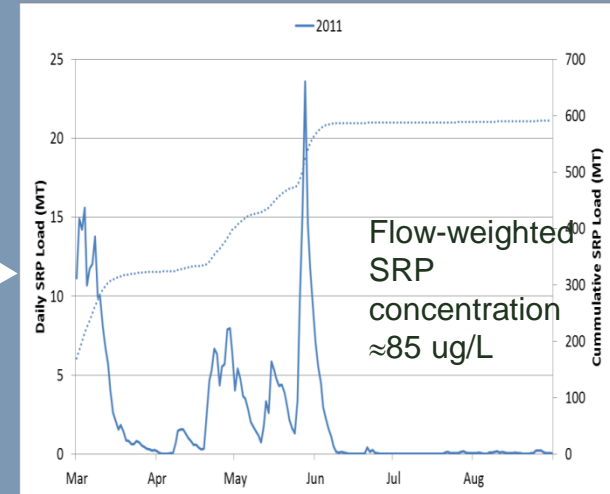


Coordinated Approaches To Enhance Ecosystem Services In Watersheds Dominated By Agriculture

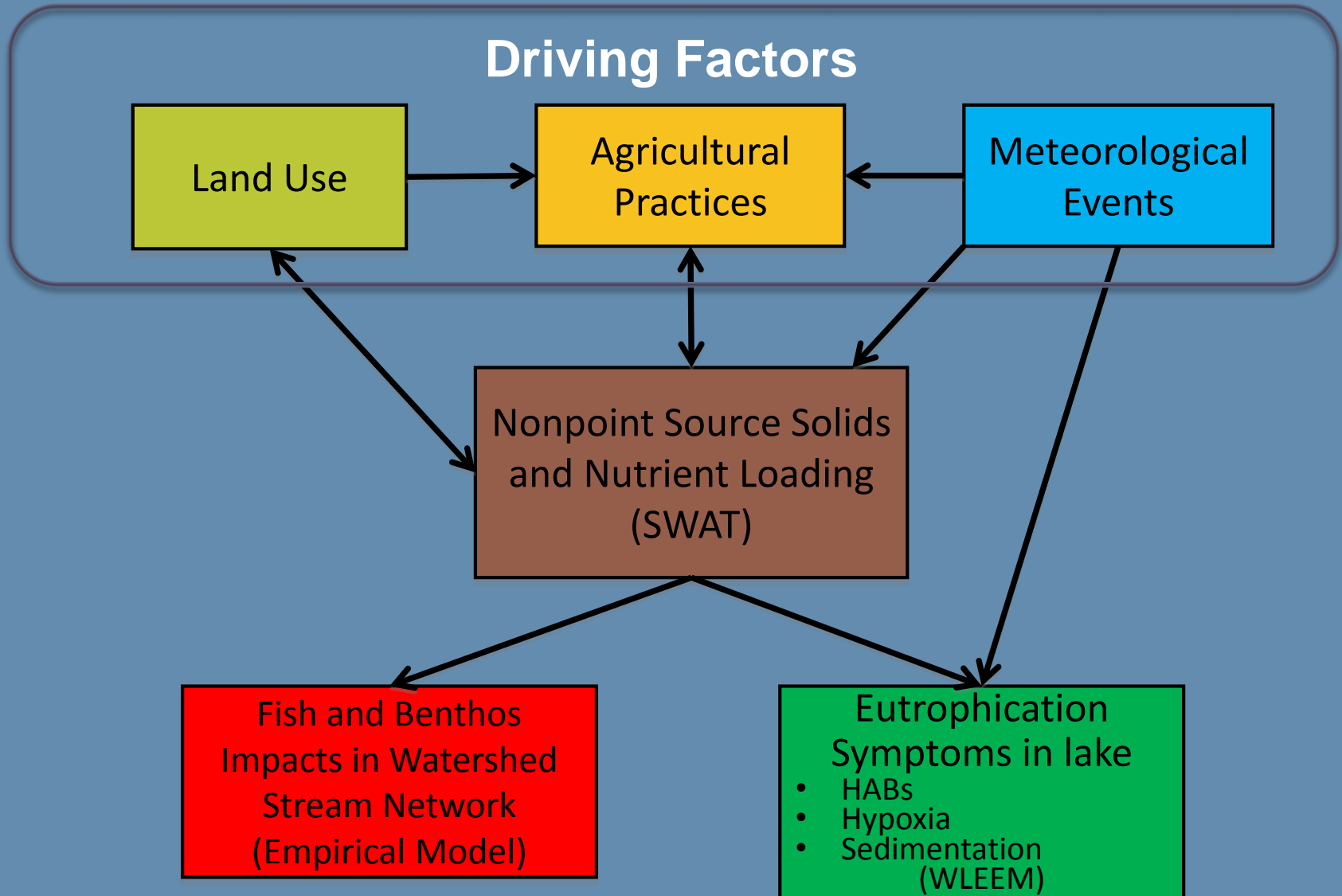
**Project (Funded by GLPF): Great Lakes Watershed
Ecological Sustainability Strategy**

**Project (funded by NSF and Ohio Sea Grant): Lake Erie
human behavior-ecosystem services research**

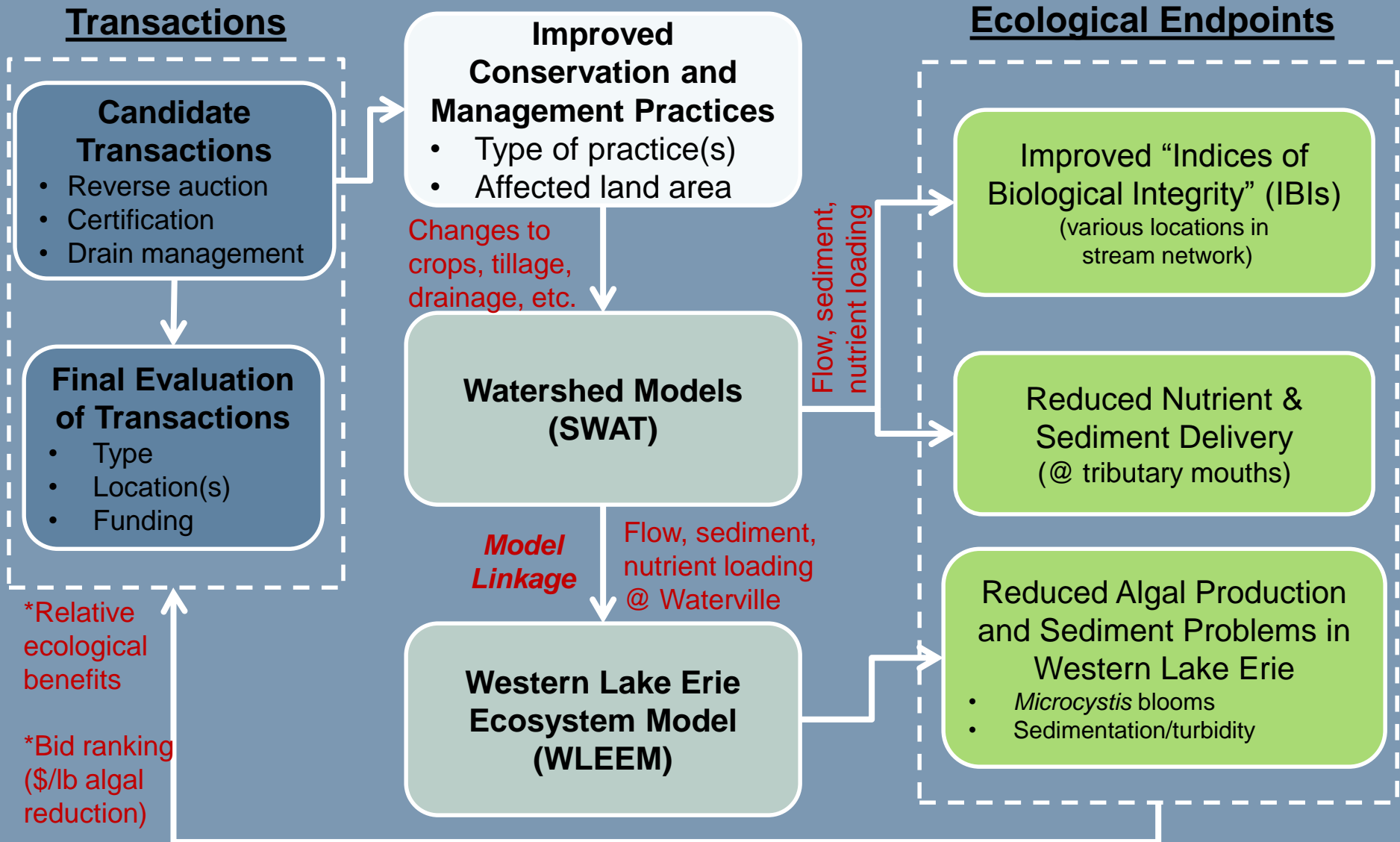
The Problem



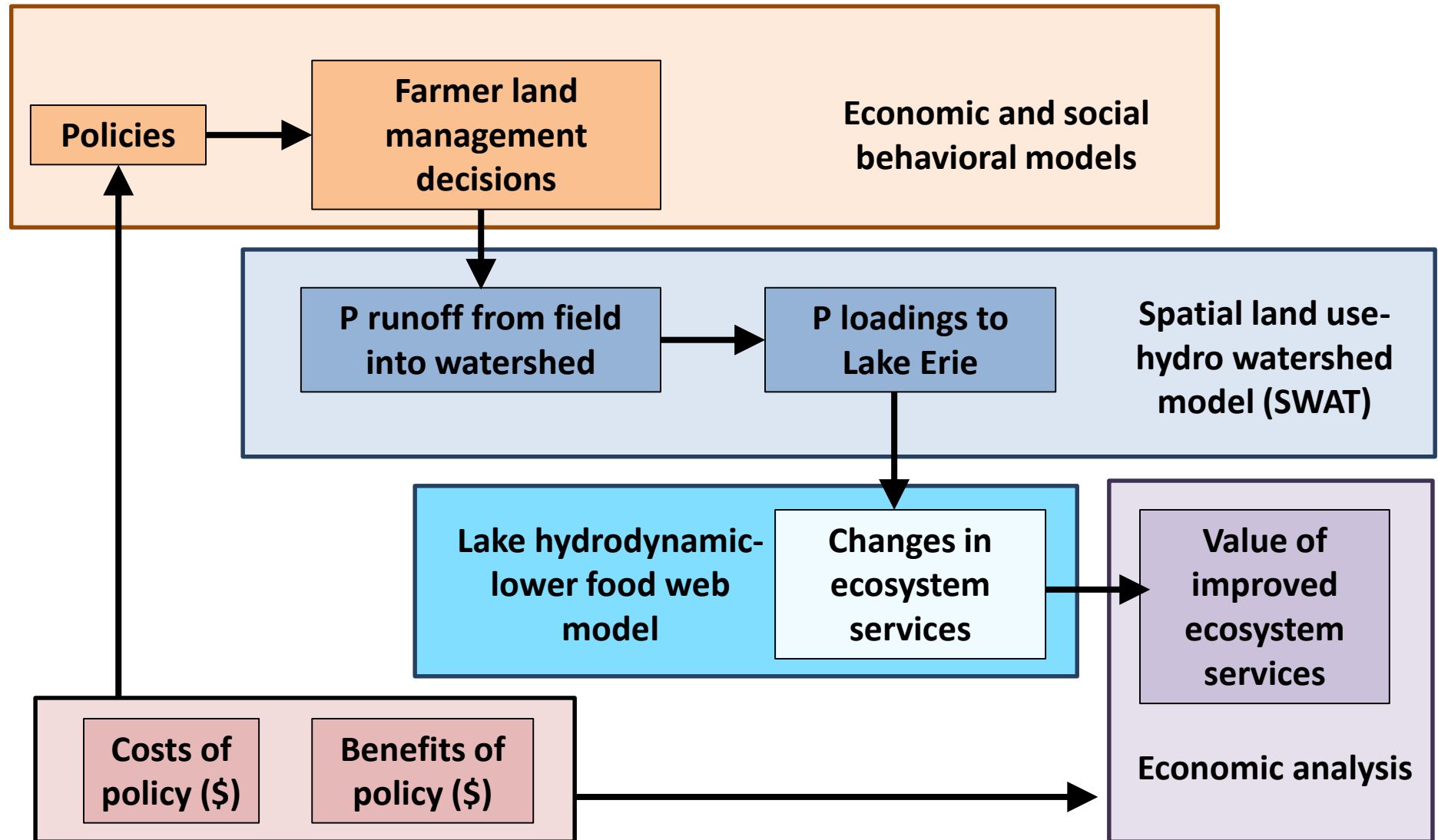
The Cause-Effect Analysis



The Solution: Transactions ↔ Ecological Endpoints



OSU Analysis: Lake Erie-land coupled human-natural systems model



Workshop Talks

1. Dennis McGrath, The Nature Conservancy. *Overview of Achievements from the Great Lakes Watershed Ecological Sustainability Strategy for Agricultural Watersheds in the Great Lakes Basin*
2. Todd Redder, LimnoTech. *Linking Watershed and Coastal Ecosystem Models to Assess Harmful Algal Bloom Production in the Western Lake Erie Basin*
3. Leah H. Palm-Forster, Michigan State University. *Designing Conservation Auctions for Aquatic Ecosystem Services in Agricultural Watersheds*
4. Randy Dell, The Nature Conservancy. *Public Drain Fee Reduction Program to Support Biological Watershed Outcomes*
5. Carrie Vollmer-Sanders, The Nature Conservancy. *Lake Erie 4R Nutrient Stewardship Certification: Water Quality Markets*
6. Wendong Zhang, The Ohio State University. *Linking agricultural land management decisions and Lake Erie ecosystem services using integrated ecological economic modeling*

Roundtable Discussion with Panelists

■ Discussion Questions:

1. What are the top research areas/questions to focus on in the next 2 years? 5 years? 10 years?
2. What kinds of programs do we need to encourage landowners to manage cropland in a way that improves water quality?
3. Who (which organizations) should be engaging with farmers to increase land stewardship?
4. How should incentives be structured to maximize participation in voluntary stewardship programs?