

**Ecosystem Federalism: Building theoretical and data-analytic foundations for designing adaptive regulatory institutions for the provision of ecosystem services**

**NIMBioS/Baker Center Working Group, Meeting 1, June 28-30, 2017**

Broad Objective:

Develop a general, multi-disciplinary framework for understanding how the degree of regulatory centralization in a federal system influences socio-ecological systems.

Specific Aims for Working Group:

- 1) Develop a theoretical approach to ecosystem federalism that will quantitatively characterize the tradeoffs presented by centralized or decentralized approaches to ecosystem management
- 2) Address the following specific challenges:
  - a. optimal spatial–dynamic allocation or regulatory policies that are empirically grounded
  - b. dynamic interactions among multiple levels of government
  - c. strategic behavior in models of multiple ecosystem states variables and/or decision making agents
- 3) Identify a set of criteria in which spatial-dynamic externalities have a discernable effect on federal- and state-level management.
- 4) Quantify/characterize the effect of information and learning on management decisions at the local, state, and federal levels.

Schedule:

	<b>Wednesday June 28</b>	<b>Thursday June 29</b>	<b>Friday June 30</b>
8:00	Breakfast at NIMBioS	Breakfast at NIMBioS	Breakfast at NIMBioS
9:00	Welcome & introductions	Revisit breakout groups	Wrap up discussion & reflection
10:00	Talk & discussion: Environmental federalism – Charles Sims	Coffee break	Coffee break
11:00	Coffee break	Breakout groups	Write NIMBioS report & plan for next meeting
12:00	Talk & discussion: Adaptive management – David Kling	Lunch at NIMBioS	Lunch at NIMBioS
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1:00		Talk & discussion	Depart
2:00	Talk & discussion: Spatial-dynamic modeling – Julie Blackwood	Breakout groups	

	Discussion of goals/questions		
3:00			
	Coffee break	Coffee break	
4:00	Form 3-4 breakout groups	Group reports	
5:00	Group reports		
	Reception at NIMBioS	Break	
	7 pm Dinner	7 pm Dinner	

#### Day 1 Goals:

- Introductions: name, affiliation, expertise, goals, big ideas
- Brainstorm what we want to accomplish longer term.
- Choose whether we want to focus on a specific resource and ecosystem or attack a more general model of federalism.
- Outline goals for the working group
- Discuss how to tackle these ideas in paper-sized chunks. Identify 3-4 projects.
- Think about questions that could be sharpened with data and/or what different modeling approaches could contribute.

#### Day 3 Goals:

- Have outlines for 3-4 papers and preliminary analyses started
- Are we satisfied with the subgroups? Are the projects exciting and manageable, while still tying into the broad goals?
- Are we missing anything?
- What are the overall goals for progress before the next meeting?
- What are the specific goals for each person before the next meeting?
- Who is designated as the point person for each sub-group?