

## Breakout 1C: How do Ecosystem Services Stack Up?

### Panelists:

- Richard Woodward, *Texas A&M University*
- Jimmy Daukas, *American Farmland Trust*
- Devin Judge-Lord, *Willamette Partnership*
- Mary Jo Kealy, *CH2M Hill*
- *Moderated by Lydia Olander, Duke University*

### Abstract:

Despite lively debate and discussion on stacking we have few real examples of how stacking is or will be implemented in existing programs. In this panel, reality will meet theory. Two programs that have been developing methods for stacking multiple services will describe their approach, their hopes for the programs, and their concerns. This will be followed by presentations by two academic researchers who have been involved in policy development of ecosystem markets, and thus have a grounding in experience, but despite this, have contrasting views of the potential benefits and pitfalls of stacking. They will touch on the potential for loss of environmental benefits versus critical gains in market efficiency.

### 1. Brief description about what each panelist covered in their respective discussions

- *Woodward: If stacking is not allowed, costs more for society but environmental benefits are higher.*
- *Olander: Defined stacking of services versus bundling; stacking refers to growing multiple credits for multiple services on a single piece of land.*
- *Daukas: American Farmland Trust is working with USDA on different payment schedules for ecosystem services. Also looking at measuring greenhouse gas implications of nutrient management.*
- *Judge-Lord: Principles around stacking—keep accounting as simple as necessary to achieve goals, maximize bang/buck ratio.*
- *Kealy: Damascus, Oregon wants to create an ecosystem market within the city that helps landowners balance development income and income from conserving ecosystem services.*

### 2. Overarching themes and key takeaways

- That bundling (or not) is a complicated topic. Benefits and extent depend on goods. Generally it is preferred >?). Lots needs to be worked out for figuring credits from easements.