**Adaptive Management—Key Messages (John Stanturf)**

AM was initially envisioned as way to manage in the face of uncertainty by comparing choices in the field. Every management action becomes an experiment, but not necessarily a research project. AM in the Northwest Plan was a way to scale-up research and turned management into an extended research project; this is not the only approach.

Today collaboration is combined with AM into CAM—collaborative adaptive management. Four components for successful CAM are:

1. Clear goals, measurable objectives
2. Well-defined research protocols
3. Incentives and tools to foster collaboration
4. Procedures for managing adaptively and building long-term capacity

More effort should go into defining goals and objectives and getting commitment on the front end of the CAM process. One promising approach is systematic review of management techniques. There are very explicit methods already in place for conducting systematic reviews.

Transdisciplinary research should be incorporated into CAM. Once goals and quantifiable objectives result from collaborative, participatory processes, the well-defined protocols should guide research conducted by researchers, managers, and stakeholders working together.

Monitoring provides critical feedback; it is expensive and too often inadequately funded. The information provided must be acted upon. There are four kinds of monitoring, surveillance, implementation, accomplishment, and effects.