

## **Working Group 6. Ecosystem Services. July 8, 2010**

### **Founding Membership**

Hal Mooney, Stanford University, USA (WG lead), Patricia Balvanera, Universidad Nacional Autónoma de México, Mexico, Wolfgang Cramer, Potsdam Institute for Climate Impact Research (PIK), Germany, Hiroyuki Matsuda, Yokohama National University, Japan, Belinda Reyers, Council for Scientific and Industrial Research, South Africa, Taylor Ricketts, World Wildlife Fund, USA, Steve Running, University of Montana, USA, Robert Scholes, Council for Scientific and Industrial Research, South Africa, Heather Tallis, Stanford University, USA, David Mildrexler, University of Montana, USA

### **Current Activities and Deliverables**

The current activities of this WG are directed toward detailing the implementation plan to a wide audience and developing the tools to make the implementation plan operational. A series of papers, and a workshop, are being developed to achieve these goals, as noted below, along with the initial working group contributors:

- 1) Conceptual paper for the WG-6 effort (national accounts, modeling, scaling, etc)--why we are proposing a national focus, scaling up and down from there. Taylor Ricketts and Heather Tallis (leads)
- 2) Analytical approaches for bottom-up ecosystem service studies using the implementation-plan tools we have highlighted including ecosystem-service tradeoff analyses, etc. Patty Balvanera and Belina Reyers (leads)
- 3) Interaction of global ecosystem models (processes) and Natural Capital models (exploration products). Wolfgang Cramer, Heather Tallis and Hal Mooney (leads). This effort will be the subject of two workshops, the first at Potsdam, this coming November.
- 4) The missing links--examination of the data bases that are available related to national accounting and a discussion of what is missing and how what's needed can be developed (World Bank, DOE, CIESIN, FAO, plus?) in order to make ES-GEO-BON fully operational. (Heather Tallis, Lead)
- 5) Remote sensing and biodiversity (Steve Running, Hal Mooney and David Rexler, Bob Scholes, leads). An early demonstration product of this effort is being discussed based on the global NPP data set and the global disturbance index. A larger effort, relating these metrics with other ecosystem services is a subject of a pending proposal including Heather Tallis.
- 6) Tool kit for ES analyses in the GEO-BON framework. This product will be developed at a yet to be scheduled meeting of the working group.
- 7) Cross-cut of ES analysis for fresh water, ocean and terrestrial (natural, ag, forests) ES approaches including interaction with other working group products, eg. WG 3,4, 5. This project

would be best developed at the next all-hands meeting of GEO-BON working groups post WG6 meeting.

**Barriers.** Funding for workshops and time for the team to work on the products

**Key Partners.** At the next WG-6 meeting individuals from organizations pursuing these issues will be invited—eg, IUCN, WCMC, WRI, etc. The higher level partners are being pursued by GEO-BON more generally.