

**Ecosystem Services**  
**Zoology 955 and 956, Spring Semester 2009**

- 01/30/09 MA (Millennium Ecosystem Assessment). 2005. *Ecosystems and Human Well-Being: Synthesis*. Island Press, Washington DC.
- 01/30/09 Mooney, H.A., Ehrlich P.R. 1997. Ecosystem services: a fragmentary history. pp 11-22 in Daily, G.C. (ed.), *Nature's Services*. Island Press, Washington D.C.
- 02/06/09 Goulder LH, Kennedy DM. 1997. Valuing ecosystem services: philosophical bases and empirical methods. pp. 23-48 in Daily, GC (ed) *Nature's Services*. Island Press, Washington DC.
- 02/06/09 Maguire LA, Justus J. 2008. Why intrinsic value is a poor basis for conservation decisions. *BioScience* 58: 910-911.
- 02/06/09 McCauley DJ. 2006. Selling out nature. *Nature* 443: 27-28.
- 02/06/09 Reid WV and many others. 2006. Nature: the many benefits of ecosystem services. *Nature* 443: 749-750.
- 02/13/09 Brauman, K.A., G.C. Daily, T.K. Duarte and H.A. Mooney. 2007. The nature and value of ecosystem services: an overview highlighting hydrologic services. *Ann. Rev. Environ. Resour.* 32: 6.1-6.32
- 02/13/09 Carpenter, S.R., R.C. Lathrop, P. Nowak, E.M. Bennett, T. Reed and P.A. Soranno. 2006. The ongoing experiment: Restoration of Lake Mendota and its watershed. Pp. 236-256 in J.J. Magnuson, T.K. Kratz and B.J. Benson (eds.), *Long-Term Dynamics of Lakes in the Landscape*. Oxford University Press, London, England.
- 02/13/09 Chan, K.M.A, M.R. Shaw, D.R. Cameron, E.C. Underwood,, G.C. Daily. 2006. Conservation planning for ecosystem services. *PLoS Biology* Vol. 4, No. 11, e379 doi:10.1371/journal.pbio.0040379
- 02/20/09 Naidoo R, Balmford A, Costanza R, Fisher B, Green RE, Lehner B, Malcolm TR, Ricketts TH (2008) Global mapping of ecosystem services and conservation priorities. *Proc Natl Acad Sci USA* **105**: 9495-9500.
- 02/20/09 Nelson E, Polasky S, Lewis DJ, Plantinga AJ, Lonsdorf E, White D, Bael D, Lawler JJ (2008) Efficiency of incentives to jointly increase carbon sequestration and species conservation on a landscape. *Proc Natl Acad Sci USA* 105: 9471-9476,
- 02/20/09 Rodriguez JP, Beard TD Jr., Bennett EM, Cumming GS, Cork S, Agard J, Dobson AP, Peterson GD (2006) Trade-offs across space, time and ecosystem services. *Ecology and Society* **11**(1): 28. online. <http://www.ecologyandsociety.org>.
- 02/27/09 Costanza Robert, Ralph d'Arge, Rudolf de Groot, Stephen Farber, Monica Grasso, Bruce Hannon, Karin Limburg, Shahid Naeem, Robert V. O'Neill, Jose Paruelo, Robert G. Raskin, Paul Sutton, Marjan van den Belt, The value of the world's ecosystem services and natural capital, *Ecological Economics*, Volume 25, Issue 1, April 1998, Pages 3-15.
- 02/27/09 Kelman, Steven. "Cost-Benefit Analysis: An Ethical Critique." *AEI Journal on Government and Society Regulation* (January/February 1981) PP. 33-40

- 02/27/09 Norgaard Richard B, Collin Bode and Values Reading Group, Next, the value of God, and other reactions, *Ecological Economics*, Volume 25, Issue 1, April 1998, Pages 37-39.
- 02/27/09 Toman Michael, SPECIAL SECTION: FORUM ON VALUATION OF ECOSYSTEM SERVICES: Why not to calculate the value of the world's ecosystem services and natural capital, *Ecological Economics*, Volume 25, Issue 1, April 1998, Pages 57-60
- 02/27/09 Turner RK, W.N Adger, R Brouwer, Ecosystem services value, research needs, and policy relevance: a commentary, *Ecological Economics*, Volume 25, Issue 1, April 1998, Pages 61-65
- 03/27/09 Dasgupta P (2008) Discounting climate change. *J Risk Uncertainty* 37: 141-169.
- 03/27/09 Nordhaus, W. 2008. Critical assumptions in the Stern review on climate change. *Science* 317: 201-202.
- 03/27/09 Stern N, Taylor C. 2008. Climate change: risk, ethics and the Stern review. *Science* 317: 203-204. DOI: 10.1126/science.1142920
- 04/03/09 Alcamo, J, Florke M, Marker M (2007) Future long-term changes in global water resources driven by socio-economic and climatic changes *Hydrol. Sci. J.* **52**:247-275.
- 04/03/09 Bennett EM, Balvanera P (2007) The future of production systems in a globalized world. *Front. Ecol. Environ.* **5**: 191-198.
- 04/03/09 Schroter D, Cramer W, Leemans R, Prentice I.C., Araujo MB, Arnell NW, Bondeau A, Bugmann H, Carter TR, Gracia CA et al. (2005) Ecosystem service supply and vulnerability to global change in Europe. *Science* **310**: 1333-1337.
- 04/10/09 Donner SD, Kucharik CJ (2008) Corn-based ethanol production compromises goal of reducing nitrogen export by the Mississippi River. *Proc. Nat'l. Acad. Sci. USA* 105: 4513-4518.
- 04/10/09 Fargione J, Hill J, Tilman D, Polasky S, Hawthorne P (2008) Land clearing and the biofuel carbon debt. *Science* 319: 1235-1238.
- 04/10/09 Naylor RL, Liska A, Burke MB, Falcon WP, Gaskell JC, Rozelle SD, Cassman KG (2007) The ripple effect: biofuels, food security and the environment. *Environment* 9: 30-43.
- 04/10/09 Searchinger T, Heimlich R, Houghton RA, Dong F, Elobeid A, Fabiosa J, Tokgoz S, Hayes D, Yu T (2008) Use of US croplands for biofuels increases greenhouse gases through emissions from land-use change. *Science* 319: 1248-1240.
- 04/17/09 Andam KS, Ferraro PJ, Pfaff A, Sanchez-Azofeifa GA, Robalino JA (2008) Measuring the effectiveness of protected area networks in reducing deforestation. *Proc Natl Acad Sci USA* 105: 16089-16094.
- 04/17/09 Costello C, Gaines SD, Lynham J (2008) Can catch shares prevent fisheries collapse? *Science* 321: 1678-1681.
- 04/17/09 Jack, BK, Kousky C, Sims KRE (2008) Designing payments for ecosystem services: lessons from previous experience with incentive-based mechanisms. *Proc Natl Acad Sci USA* 105: 9465-9470.
- 04/24/09 Agrawal, A. 2002. Common resources and institutional sustainability. pp. 41-86 in Ostrom E, Dietz T, Dolsak N, Stern PC, Stonich S, Weber EU (eds), *The Drama of the Commons*. National Academy Press, Washington DC.

- 04/24/09 Ostrom E (2007) A diagnostic approach for going beyond panaceas. *Proc Natl Acad Sci USA* **104**: 15181-15187.
- 04/24/09 Ostrom E (2008) The challenge of common-pool resources. *Environment* 50(4): 10-20
- 05/01/09 Carpenter SR, Mooney HA, Agard J, Capistrano D, DeFries R, Diaz S, Dietz T, Duriappah A, Oteng-Yeboah A, Pereira HM, Perrings C, Reid WV, Sarukhan J, Scholes RJ, Whyte A. 2009. Science for managing ecosystem services: Beyond the Millennium Ecosystem Assessment. *Proc Natl Acad Sci USA* in press.
- 05/01/09 Daily GC, Polasky S, Goldstein J, Kareiva PM, Goldstein LP, Ricketts TH, Salzman J, Shallenberger R. (2009) Ecosystem services in decision making: time to deliver. *Front. Ecol. Env.* **6**: in press.