

CURRICULUM VITAE

NAME

Seidl, Andrew F

ADDRESS

Agricultural and Resource Economics
College of Agricultural Sciences

Clark Building
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PHONE

(970) 491-7071

EDUCATION

1996 Ph D, University of Florida

1993 MS, University of Florida

1985 BA, University of Wisconsin

ACADEMIC POSITIONS

2015 - Present Senior Technical Advisor, United Nations Development Programme-Biodiversity Finance Initiative.

2012 - Present Adjunct Professor, CSU College of Business-Global Social and Sustainable Enterprise MBA.

2009 - Present Faculty member, CSU School of Global Environmental Sustainability.

2013 - 2015 Senior Advisor, International Climate Initiative, Marine and Coastal Biodiversity Management in Pacific Island Countries and Atolls (MACBIO).

2014 Professor, University of Torino, Italy.

2013 - 2014 Professor, Human Dimensions of Natural Resource Management Department, Colorado State University.

2013 - 2014 Professor, Trento School of Management & Landscape and Environment School of Governance, University of Trento, Italy.

SABBATICALS

(2004-05) J. William Fulbright Foundation, Council for International Exchange of Scholars, Teaching/Research Fulbright Scholar Award at the Central American Institute for Business Administration (INCAE), Costa Rica

OTHER POSITIONS

2009 - Present Adjunct Professor, Central American Institute for Business Administration (INCAE), Costa Rica.

2012 Erasmus Mundus Visiting Scholar, Central European University, Budapest, Hungary.

- 2009 - 2012 Head, Global Economics Programme, International Union for Conservation of Nature.
- 2007 - 2009 Erasmus Mundus Visiting Scholar, University of Manchester, UK.
- 2004 - 2005 Visiting Professor/Fulbright Scholar, Central American Institute for Business Administration (INCAE), Costa Rica.
- 1996 - 1997 Natural Resource Economist, Brazilian Center for Research in on the Pantanal (CPAP-EMBRAPA), Corumba, Brazil.
- 1993 - 1994 Commodity Analyst, Food and Agriculture Organization, United Nations, Rome, Italy.

PUBLISHED WORKS

Books

- Wittmer, H., van Zyl, H., Brown, C., Rode, J., Ozdemiroglu, E., Bertrand, N., ten Brink, P., Seidl, A. F., Kettunen, M., Mazza, L., Manns, F., Hundorf, J., Renner, I., Christov, S., Sukhdev, P. (2013). *TEEB-The economics of ecosystems and biodiversity: Guidance manual for TEEB country studies* (1st ed., vol. 1, pp. 94). Earthscan. www.teebweb.org/wp-content/uploads/2013/06/TEEB_GuidanceManual_2013_1.0.pdf
- Orens, A., Seidl, A. F. (2004). *Winter Tourism and Land Development in Gunnison, Colorado*. Colorado State University, Department of Agricultural and Resource Economics.
- Seidl, A. F., Weiler, S. A. (2001). *Economic impact of National Park designation of the Black Canyon of the Gunnison on Montrose County, Colorado*. Department of Agricultural and Resource Economics.
- Seidl, A. F., Weiler, S. A. (2001). *Estimated Economic Impact of the Colorado Beet Sugar Industry*. Colorado State University Department of Agricultural and Resource Economics.
- Seidl, A. F., Weiler, S. A. (2000). *Estimated economic impact of Colorado dairies*. Department of Agricultural and Resource Economics.

Refereed Journal Articles

- Verdone, M., Maginnis, S., Seidl, A. F. (2016). Breathing new life into REDD+: Landscape restoration as means to offset the REDD+ budget shortfall. *Environmental and Resource Economics*.
- Seidl, A. F. (2016). Demonstrating the economic attractiveness of marine protected areas (MPAs) using the financial returns on investment (RoI) to ecosystem service values. *Aquatic Living Resources*.
- Seidl, A. F. (2014). Cultural ecosystem services and economic development: World Heritage and early efforts at tourism in Albania. *Ecosystem Services*, 10, 164-171.
- Verdone, M., Deisenroth, D., Seidl, A. F. (2014). Economics of marine protected areas and gateway communities: A synthesis of the evidence base. *Society and Natural Resources*.
- Laurens, Y., Pascal, N., Binet, T., Brander, L., Clua, E., David, G., Rojat, D., Seidl, A. F. (2013). Economic valuation of ecosystem services from coral reefs in the South Pacific: Taking stock of recent experience. *Journal of Environmental Management*: <http://dx.doi.org/10.1016/j.jenvman.2012.11.031>.
- (2012). Is resident valuation of ranch open space robust in a growing rural community? Evidence from the Rocky Mountains. *Society and Natural Resources*, 25(9), 852-867.

- (2011). Comparing tourists' behavior, valuation of land use changes: A focus on ranchland open space in Colorado. *Journal of Environmental Policy and Management*, 54(1).
- (2010). A route with a view: The contribution of scenic landscapes to a World Heritage Site gateway community. *Tourism and Development Journal*, 13(1), 631-640.
- (2010). Combining non-market valuation, input-output analysis for community tourism planning: Open space, water quality values in Colorado, USA. *Economic Systems Research*, 22(4), 385-405.
- (2010). Transforming the Rural Nonfarm Economy. *Am J Agr Econ*, 92, 288-290.
- (2010). Transforming the Rural Nonfarm Economy: Opportunities and threats in the developing world (Book review). *American Journal of Agricultural Economics*, 92(1), 288-290.
- (2009). Economic Contribution of the Aquacultural Suppliers of Recreational Fish in the Western US. *J Agr Resour Econ*, 34, 540-541.
- (2009). Surf and Turf. *Am J Agr Econ*, 91, 1360-1367.
- (2009). Working lands and winter tourists in the Rocky Mountain West. *Tourism Econ*, 15, 215-242.
- (2008). Optimizing protected area entry fees across stakeholders. *Environ Dev Econ*, 13, 229-243.
- (2007). Comparative analysis of non-market valuation techniques for the Eduardo Avaroa Reserve, Bolivia. *Ecol Econ*, 60, 517-525.
- (2007). Tourists' value of ranch open space over time. *J Agr Resour Econ*, 32, 558-559.
- (2007). Willingness-to-pay for prescribed fire in the Colorado (USA) wildland urban interface. *Forest Policy Econ*, 9, 928-937.
- (2006). The role of ethnicity and language in contingent valuation analysis. *Am J Econ Sociol*, 65, 559-586.
- (2004). What's in a name? Extracting econometric drivers to assess the impact of National Park designation. *J Regional Sci*, 44, 245-262.
- (2002). Livestock industry location and residential property values in Weld County, Colorado. *J Agr Resour Econ*, 27, 581-581.
- (2002). Methane, nitrous oxide and carbon dioxide emissions from ruminant livestock production systems. *J Regional Sci*, 44, 77-85.
- (2002). Value of recreational fishing in the Brazilian Pantanal. *Ecol Econ*, 42, 289-299.
- (2001). Cattle ranching and deforestation in the Brazilian Pantanal. *Ecol Econ*, 36, 413-425.
- (2001). Environmental policy influences on livestock stocking and location decisions. *J Agr Resour Econ*, 26, 566-566.
- (2001). Greenhouse gas emissions from simulated beef and dairy livestock systems in the United States. *Nutr Cycl Agroecosys*, 60, 99-102.
- (2001). Intra-regional wealth-deforestation relationships in the Brazilian pantanal. *J Agr Resour Econ*, 26, 561-561.

- (2001). Preferences for agricultural land preservation in Moffat County, Colorado. *J Agr Resour Econ*, 26, 565-566.
- (2001). Trypanosoma evansi control and horse mortality in the Brazilian Pantanal. *Mem I Oswaldo Cruz*, 96, 599-602.
- (2001). Valuing open space attributes in Colorado. *J Agr Resour Econ*, 26, 565-565.
- (2000). Cooperative solutions to open access competition for land among municipalities. *J Agr Resour Econ*, 25, 725-725.
- (2000). Economic issues and the diet and the distribution of environmental impact. *Ecol Econ*, 34, 8-May.
- (2000). Environmental policy influences on livestock stocking and location decisions. *J Agr Resour Econ*, 25, 721-721.
- (2000). Global valuation of ecosystem services. *Ecol Econ*, 33, 6-Jan.
- (2000). Participatory research methods in environmental science. *J Appl Ecol*, 37, 684-696.
- (1999). A "Commission" perspective on agricultural policy for the Twenty-first Century. *Am J Agr Econ*, 81, 1273-1273.
- (1999). Pigs, profits and rural communities. *Am J Agr Econ*, 81, 758-759.

Refereed Chapters in Books

- Seidl, A. F., Pratt, L., Honey, M., Durham, W., Slean, G., Bien, A. (2014). Cruising for a bruising: Challenges in sustainable capture of ecosystem service values from cruise ship tourism in Belize. *Handbook on the Economics of Biodiversity and Ecosystem Services*. Edward Elgar.

Non-Refereed Journal Articles

- Weiler, S. A., Seidl, A. F., Weeks, E. Economic impact of National Park designation on the Great Sand Dunes and the San Luis Valley.
- Weiler, S. A., Seidl, A. F. (2004). What's in a Name? Extracting Econometric Drivers to Assess The Impact of National Park Designation*. *Journal of Regional Science*, 44(2), 245–262.

Non-Refereed Chapters in Books

- gordon, e., travis, w., Seidl, A. F. (2015). Chapter 3—Demography, Land Use, and Economics. In Dennis Ojima and Eric Gordon (Ed.), *Colorado Climate Change Vulnerability Study*. CU and CSU. www.colorado.edu/climate/co2015vulnerability/co_vulnerability_report_2015_final.pdf
- jedd, t., Seidl, A. F., wilhelmi, o. (2015). Chapter 9—Outdoor Recreation and Tourism Sector. In Dennis Ojima and Eric Gordon (Ed.), *Colorado Climate Change Vulnerability Study*. CU and CSU. www.colorado.edu/climate/co2015vulnerability/co_vulnerability_report_2015_final.pdf
- (2012). *Beyond GDP: Measuring progress toward a green economy*. IUCN Economics Occasional Paper Series: http://cmsdata.iucn.org/downloads/iucn_paper_series_beyond_gdp_1pdf.
- (2012). *Financial resources and financial mechanism (Agenda Item 4) and Incentive Measures (Agenda Item 13.11)*. Eleventh meeting of the Conference of the Parties to the Convention on Biological Diversity,

Hyderabad, India, 8-19, October.

- (2012). *Fishing and Tourism in the Fijian Economy*. IUCN Economics Occasional Paper Series: IUCN 20 pp
<http://dataiucn.org/dbtw-wpd/edocs/2012-043pdf>.
- (2012). *Fishing, Tourism in the Vanuatu Economy*. IUCN Economics Occasional Paper Series: IUCN 20 pp
<http://dataiucn.org/dbtw-wpd/edocs/2012-044pdf>.
- (2012). *Identifying and mobilizing resources for biodiversity conservation*. IUCN Economics Occasional Paper Series: IUCN 110 pp
https://cmsdataiucn.org/downloads/identifying_and_mobilizing_resources_for_biodiversity_conservationpdf.
- (2012). *Incentive Measures (Article 11): Progress report on activities undertaken by Parties, other governments, relevant organizations and initiatives, and the Executive Secretary*. Materials for the Subsidiary Body on Scientific, Technical and Technological Advice, 16th Meeting, Montreal, Canada, April 30-5 May.
- (2012). *Policy brief on Rio+20, the importance of achieving the Strategic Plan for Biodiversity (2011-2020), the Aichi Biodiversity Targets*.
http://cmsdataiucn.org/downloads/policy_brief_rio_20_and_the_aichi_targets_2pdf.
- (2012). *Policy brief on the Economics of Forest Landscape Restoration*.
http://cmsdataiucn.org/downloads/policy_brief_on_forest_restoration_1pdf.
- (2012). *Transitioning to a Green Economy –Building on Nature*. IUCN Position Paper on Green Economy for Rio+20 United Nations Conference on Sustainable Development 6 pp
http://cmsdataiucn.org/downloads/position_paper_on_green_economy_22march.
- (2012). *What impacts to expect from economic valuation of coral reefs?*. Proceedings of the 12th International Coral Reef Symposium, Cairns, Australia, 9-13 July;
http://www.icrs2012.com/proceedings/manuscripts/ICRS2012_22D_4.pdf.
- (2011). *Adequacy of biodiversity observation systems to support the CBD 2020 targets*. Prepared by the Group on Earth Observation Biodiversity 9 Observation Network (GEO BON), the IUCN and the World Conservation Monitoring Centre, for the CBD (responsible for Target 3).
- (2011). *Economics of Coral reef management in the South Pacific*. Workshop proceedings: "Investing in Coral Reefs: is it worth it?" CRISP/3B/3B3 -Workshop report, 35p <http://www.crisp-online.com>.
- (2010). *Growing local* (vol. 279, pp. 56-57). OECD Observer , Organization for Economic Cooperation and Development, Paris, France.
- (2010). *Preserving nature while feeding a growing world*. IUCN News:
http://www.iucn.org/cbd/meetings/nagoya_2010/news/?6379/How-Are-We-Going-to-Preserve-Biodiversity-while-Feeding-a-Growing-World.
- (2010). *Quanto vale o Pantanal? A valoracao ambiental aplicada ao bioma Pantanal*. Embrapa Pantanal Document 105 Corumba: Embrapa Pantanal ISSN 1981-7223,
<http://www.cpap.embrapa.br/publicacoes/online/DOC105.pdf>.
- (2010). *Raising the bar, Saving biodiversity: An economic approach* (1st ed., vol. 40, pp. 14-15). World Conservation: www.iucn.org/worldconservation.
- (2010). *Reinventing Europe* (vol. 887, pp. 4). New Europe:
http://www.neurope.eu/images/issues/887pdf?bcsi_scan_F3293F689D82B9C2=0&bcsi_scan_filename=887pdf.

(2010). *The role of economics in an international conservation organization: The International Union for Conservation of Nature*. Association of Environmental and Resource Economists Newsletter: <http://wwaereorg/newsletters/documents/November2010Newsletterpdf>.

Article in Popular or Trade Magazine

Pascal, N., Seidl, A. F. (2015). *Is it worth investing in coral reefs? Results from an assessment of MPA economic benefits in Fiji and Vanuatu.* IUCN. www.iucn.org/about/work/programmes/gpap_home/?21432/Is-it-worth-investing-in-coral-reefs-Results-from-an-assessment-of-MPA-economic-benefits-in-Fiji-and-Vanuatu

Book Review

(2010). *Agriculture* (pp. 50-75). Chapter 6 in *The Importance of Biodiversity and Ecosystems in Economic Growth and Equity in Latin America and the Caribbean: An economic valuation of ecosystems* Bovarnick, A, F Alpizar, C Schnell, Editors United Nations Development Programme <http://www.un.org>.

(2010). *Valuing ecosystem services of coastal habitats* (pp. 34-40). Chapter 3 in *Framing the Flow: Innovative Approaches to Understand, Protect, Value Ecosystem Services Across Linked Habitats* Silvestri, S, Kershaw, F(eds) <http://digitallibraryunt.edu/ark:/67531/metadc28503/m1/1/Q>.

CE Report/Bulletin/Factsheet

Villar, D. C., Seidl, A. F., Sundberg, J., Allison, L., Mahowald, H. (2015). *Economic implications of differential taxation for agriculture in the Intermountain West: Executive Summary* (ARPR 15-01 ed., pp. 6). Agricultural and Resource Policy Report, Department of Agricultural and Resource Economics, Colorado State University.

Villar, D. C., Seidl, A. F., Sundberg, J., Allison, L., Mahowald, H. (2015). *Economic implications of differential taxation for agriculture in the Intermountain West: Issues and Alternatives*. (ARPR 15-02 ed., pp. 50). Agricultural and Resource Policy Report, Department of Agricultural and Resource Economics, Colorado State University.

Instructor's Manual

Salcone, J. M., I. b., Seidl, A. F. (2015). *Guidance manual on economic valuation of marine and coastal ecosystem services in the Pacific.* MACBIO. GIZ, IUCN, SPREP.

Research Report

Gonzalez, R., Ram-Bidesi, V., Brander, L., Fernandez, L., Salcone, J. M., Seidl, A. F. (in press). *Economic valuation of the marine ecosystem services of Fiji*. MACBIO. GIZ, IUCN, SPREP.

Rouatu, I. N. P. H. W., Pascal, N., Wendt, H. (in press). In Luke Brander, Jake Salcone, Leanne Fernandez, Andrew Seidl (Ed.), *Economic valuation of the marine ecosystem services of Kiribati*. MACBIO. GIZ, IUCN, SPREP.

Arena, M., Wini, L., Salcone, J. M., Pascal, N., Brander, L., Fernandez, L., Wendt, H. (in press). In Andrew Seidl (Ed.), *Economic valuation of the marine ecosystem services of Solomon Islands*. MACBIO. GIZ, IUCN, SPREP.

Rouatu, Tupou-Taufa, S., Brander, L., Fernandez, L., Fonua, E. L. T. H. W., Matoto, L., Pascal, N., Seidl, A. F., Lesiele Tu'ivai, E., Wendt, H. (in press). *Economic valuation of the marine ecosystem services of Tonga*. MACBIO. GIZ, IUCN, SPREP.

Pascal, N. P., Molisa, V., Wendt, H. (in press). In Luke Brander, Jake Salcone, Leanne Fernandez, Andrew Seidl (Ed.), *Economic valuation of the marine ecosystem services of Vanuatu*. MACBIO. GIZ, IUCN, SPREP.

snee, t., cheng, a., Seidl, A. F. (2013). *Seeing green: The positive economic impacts of Colorado's place-based collaborative groups*. Fort Collins, Colorado: Colorado Forest Restoration Institute. coloradoforestrestoration.org/wp-content/uploads/2014/01/2013-Forest-Collaborative-Impact-Analysis-with-appendices.pdf

Pascal, N., Seidl, A. F. (2013). *Economic benefits of Marine Protected Areas: Fiji and Vanuatu Case Studies*. Gland, Vaud: IUCN.

PAPERS PRESENTED/SYMPOSIA/INVITED LECTURES/PROFESSIONAL MEETINGS/WORKSHOPS

December 15, 2015, "The Biodiversity Finance Initiative-BIOFIN. Mobilising Resources for Biodiversity and Sustainable Development. An overview and lessons learnt to date.", BIOFIN Fiji Workshop, United Nations Development Programme.

November 20, 2015, "The Biodiversity Finance Initiative-BIOFIN. Mobilising Resources for Biodiversity and Sustainable Development. An overview and lessons learnt to date.", BIOFIN Indonesia Workshop, United Nations Development Programme.

November 12, 2015, "This Changes Everything: Capitalism vs Climate Change.", SOGES Student Section, CSU.

October 14, 2015, "Can we transform our world: 2015 Sustainable Development Goals", Managing the Planet Series, SOGES , CSU.

July 22, 2015, "The Biodiversity Finance Initiative-BIOFIN. Mobilising Resources for Biodiversity and Sustainable Development.", BIOFIN Fiji Workshop, United Nations Development Programme.

June 17, 2015, "Financial mechanisms for ABS, IAS, and Urban Biodiversity.", BIOFIN Philippines Workshop, United Nations Development Programme.

June 6, 2015, "The Wealth of Nature: Measuring better in order to manage better.", CSU-Gerens Conference., College of Business, CSU.

2014, "Cultural ecosystem service valuation and economic development: Cruise tourism in Belize.", Cultural Economics: New opportunities and challenges for the Pacific: An International Conference., University of South Pacific, Fiji, Suva.

2014, "Sustainable African Ecosystems and Society", Ecosystems Services and Biodiversity, Fort Collins, Colorado.

2014, "Greening development and the UN: Anecdotes and Observations.", United Nations Organization of Northern Colorado, Fort Collins, Colorado.

2014, "Putting a Price on Nature: The economics of ecosystems", Managing the planet: Topics in Sustainability, SOGES, Fort Collins, Colorado.

2014, "Wetlands, Windmills and Wapiti: The Wider Spectrum of Ranching Values.", Ranching and a West that Works., Fort Collins, Colorado.

2014, "Resource economics in the Pacific: Case study examples.", The Economics of Ecosystems and Biodiversity Workshop: Methods and applications for economic evaluation of ecosystems, conservation initiatives, and resource use in the Pacific, IUCN, Suva, Fiji.

2014, "TEEB: An introduction and update.", The Economics of Ecosystems and Biodiversity Workshop: Methods and applications for economic evaluation of ecosystems, conservation initiatives, and resource use in the Pacific, IUCN, Suva, Fiji.

2014, "Working landscapes and economic development: Public values from private lands.", Salida, Colorado.

October 2014, "Economic insights on climate policy: Global to Domestic.", Future Earth: International Sustainable Development Colloquium, CSU-International Programs, Fort Collins, Colorado.

October 20, 2013, "A financial and economic case for public investment in marine protected areas (MPAs): Evidence from Vanuatu and St. Martin.", IMPAC3, French Development Agency, (Presenter) Clua, E., Marseille, France, peer-reviewed/refereed.

October 20, 2013, "What impacts to expect from economic valuation of MPAs?", IMPAC3, French Development Agency, (Presenter) Pascal, N., Marseille, France, peer-reviewed/refereed.

August 26, 2013, "What impacts to expect from economic valuation of MPAs?", 6th Annual International ESP Conference: Making Ecosystem Services Count, (Presenter) Pascal, N., Bali, Indonesia, peer-reviewed/refereed.

May 30, 2013, "World Natural Heritage Management: Present priorities in the economic dimensions of management: From theory to practice", UNESCO Masters Programme in World Heritage Management, University of Trento, Italy, (Presenter) Seidl, A. F., Trento, Italy.

May 7, 2013, "Analysis of economic benefits of marine protected areas: Case studies in Vanuatu (9 MPAs) and Fiji (5 MPAs), South Pacific", AFD Project Closing Workshop, French Development Agency, (Presenter) Pascal, N., Tiwok, T., Suva, Fiji, peer-reviewed/refereed.

May 3, 2013, "Analysis of economic benefits of marine protected areas: Case studies in Vanuatu (9 MPAs) and Fiji (5 MPAs), South Pacific", AFD Project Closing Workshop, French Development Agency, (Presenter) Pascal, N., Tiwok, T., Port Vila, Vanuatu, peer-reviewed/refereed.

2012, "Biodiversity and the private sector: IUCN's perspective. International Workshop on Business and Biodiversity. Rio de Janeiro, Brazil. 15 June 2012. 200 people".

2012, "Can marine protected areas improve the livelihoods of local communities: An economic analysis. Verdone, M., Deisenroth, D. & A. Seidl. TEEB Conference 2012: Mainstreaming the Economics of Nature: Challenges for Science and Implementation. March 19-22, 2012, Leipzig, Germany. (Verdone)", peer-reviewed/refereed.

2012, "Can marine protected areas improve the livelihoods of local communities? Verdone, M. & A. Seidl. Bioecon. September, 2012. Cambridge, UK. (Verdone)", peer-reviewed/refereed.

2012, "Can marine protected areas improve the

livelihoods of local communities?
Verdone, M. & A. Seidl. 'Visible Possibilities: The Economics of Sustainable Fisheries, Aquaculture and Seafood Trade,' conference of the International Institute of Fisheries Economics and Trade (IIFET). July 16-20, 2012. Dar es Salaam, Tanzania. (Verdone)", peer-reviewed/refereed.

2012, "Economic valuation and development: IUCN's recent experience. Sustainable Land Management in the Context of Green Economy. Rio Conventions Pavillion. Rio de Janeiro, Brazil. 14 June 2012. 25 people".

2012, "Nature-based solutions for sustainable agriculture. Sustainable Agriculture Initiative 10th General Assembly. Evian, France. 2-4 May, 2012. 50 people".

2012, "Positive Incentive measures for conservation and sustainable use of biodiversity. Africa Regional Workshop for Updating National Biodiversity Strategies and Action Plans: Incorporating work on valuation and incentive measures. Addis Ababa, Ethiopia, February 29, 2012. 85 people".

2012, "Return on investments in watersheds and natural capital. 6th World Water Forum, Marseille, France, 13 March, 2012. 150 people".

2012, "Social Cost Benefit Analysis of Global Forest Landscape Restoration: Potential returns to the extension and uptake of forest landscape restoration science and policy recommendations. TEEB Conference 2012: Mainstreaming the Economics of Nature: Challenges for Science and Implementation. Verdone, M., Seidl A., Maginnis, S., and Saint Laurent, C. March 19-22, 2012, Leipzig, Germany. (Verdone)", peer-reviewed/refereed.

2012, "Sustainable (Community) Development and World Heritage Sites: An IUCN perspective. Consultative meeting on World Heritage and Sustainable Development. Ouro Preto, Brazil. 6 February, 2012. 60 people".

2012, "The Bonn Challenge: The Economics of Forest Landscape Restoration in Greening the World Economy. International Conference on Forestry and Green Economy. Beijing, China. April 19-20, 2012. 150 People."

2012, "Valuation of biodiversity and associated ecosystem services. Africa Regional Workshop for Updating National Biodiversity Strategies and Action Plans: Incorporating work on valuation and incentive measures. Addis Ababa, Ethiopia, February 29, 2012. 85 people."

2012, "What impacts to expect from economic valuation of coral reefs? Pascal, N., Clua, E., Charles, M., Laurans, Y., David, G., Brander, L. and Seidl A. International Coral Reef Symposium. July 2012. Cairns, Australia. (Pascal)", peer-reviewed/refereed.

2012, "What impacts to expect from economic valuation of coral reefs? Pascal, N., Clua, E., Charles, M., Laurans, Y., David, G., Brander, L. and Seidl A. TEEB Conference 2012: Mainstreaming the Economics of Nature: Challenges for Science and Implementation. March 19-22, 2012, Leipzig, Germany. (Verdone)", peer-reviewed/refereed.

September 11, 2012, "Can marine protected areas improve the livelihoods of local communities?", BIOECON, (Presenter) Verdone, M., Cambridge, UK, peer-reviewed/refereed.

July 20, 2012, "What impacts to expect from economic valuation of coral reefs? Pascal, N., Clua, E., Charles, M., Laurans, Y., David, G., Brander, L. and Seidl A. TEEB Conference 2012: Mainstreaming the Economics of Nature: Challenges for Science and Implementation. March 19-22, 2012, Leipzig, Germany. (Verdone)", International Coral Reef Symposium, Cairns, Australia, peer-reviewed/refereed.

July 16, 2012, "Can marine protected areas improve the livelihoods of local communities?", Visible Possibilities: The economics of sustainable fisheries, aquaculture and seafood trade', International Institute of Fisheries Economics and Trade (IIFET), (Presenter) Verdone, M., Dar es Salaam, Tanzania, peer-reviewed/refereed.

2011, "Agriculture and the Green Economy Report: Critique and suggestions. UNEP Business and Industry Dialogue. Paris, France. 11-13 April, 2011. 50 people."

2011, "Data to populate national wealth accounts: Do compensatory policy instruments reflect ecosystem service accounting values? Should they? Wealth Accounting and Valuation of Ecosystem Services (WAVES) Partnership Meeting. The World Bank, Washington DC. 29-31

March, 2011. 30 people."

2011, "Demand for certified management of biodiverse landscapes. GDI 3rd Expert Meeting on the Green Development Mechanism. Nairobi, Kenya. October 9-11, 2011. 30 people.
<http://gdi.earthmind.net/>".

2011, "Economic valuation of BES and development policy: Sharing recent experience. BIOECON 13 Conference. September 12, 2011. Geneva, Switzerland. 80 people".

2011, "Economic valuation of coral reef BES: Big number vs development potential. IUCN Oceania Regional Office. 30 September, 2011. Suva, Fiji. 40 people."

2011, "Hacia mecanismos financieros innovadores para la conservación de la biodiversidad (Meta 20). Meso-america Regional Workshop for Updating National Biodiversity Strategies and Action Plans: Incorporating work on valuation and incentive measures. December 1, 2011. San Jose, Costa Rica. (45 people)".

2011, "Negative (Perverse) Incentives: global perspectives and regional experiences (Target 3). Pacific Regional Workshop for Updating National Biodiversity Strategies and Action Plans: Incorporating work on valuation and incentive measures. October 3, 2011. Nadi, Fiji. 70 people."

2011, "Políticas de incentivos que afectan la biodiversidad (Target 3). Meso-america Regional Workshop for Updating National Biodiversity Strategies and Action Plans: Incorporating work on valuation and incentive measures. November 29, 2011. San Jose, Costa Rica. 45 people."

2011, "Positive Incentives: global perspectives and regional experiences (Target 3). Pacific Regional Workshop for Updating National Biodiversity Strategies and Action Plans: Incorporating work on valuation and incentive measures. October 3, 2011. Nadi, Fiji. 70 people."

2011, "Positive Incentives: global perspectives and regional experiences (Target 3). Southern Africa Regional Workshop for Updating National Biodiversity Strategies and Action Plans: Incorporating work on valuation and incentive measures. Josh Bishop and Andrew Seidl. March 15, 2011. Kasane, Botswana. 70 people."

2011, "Resource Mobilization: A global perspective (SP Target 20, Decision X/3). Pacific Regional Workshop for Updating National Biodiversity Strategies and Action Plans: Incorporating work on valuation and incentive measures. Andrew Seidl. October 7, 2011. Nadi, Fiji. 70 people."

2011, "Resource Mobilization: A global perspective (SP Target 20, Decision X/3). Southern Africa Regional Workshop for Updating National Biodiversity Strategies and Action Plans: Incorporating work on valuation and incentive measures. Josh Bishop and Andrew Seidl. March 17, 2011. Kasane, Botswana 70 people."

2011, "Seeing the forest for the trees: Development policy and economic valuation. ProEcoServ Inception Workshop and Partners Meeting. Andrew Seidl. UNEP, Nairobi, Kenya. 8-9 June, 2011. 30 people."

2011, "The value of nature: Measuring better to manage better. Agrivision 2011, Amsterdam, Holland. 21-23 June, 2011. 350 people."

2011, "Towards innovative finance mechanisms. "Implementing CBD COP10 outcomes in developing countries: Which strategy for resource mobilization?" European Bureau for Conservation and Development, European Parliament. 8 November, 2011. Brussels, Belgium. 50 people".

2011, "Valoración de la biodiversidad y los servicios ecosistémicos asociados. Meso-america Regional Workshop for Updating National Biodiversity Strategies and Action Plans: Incorporating work on

valuation and incentive measures.
November 29, 2011. San Jose, Costa Rica. 45 people."

2011, "Valuation of biodiversity and associated ecosystem services. Pacific Regional Workshop for Updating National Biodiversity Strategies and Action Plans: Incorporating work on valuation and incentive measures. October 3, 2011. Nadi, Fiji. 70 people."

2011, "Valuation of biodiversity and associated ecosystem services. South, Southeast and East Asia Workshop for Updating National Biodiversity Strategies and Action Plans: Incorporating work on valuation and incentive measures. Markus Lehmann and Andrew Seidl. Xi'an, China. 15-16 May, 2011. 70 people."

2011, "Valuation of biodiversity and associated ecosystem services. Southern Africa Regional Workshop for Updating National Biodiversity Strategies and Action Plans: Incorporating work on valuation and incentive measures. Markus Lehmann and Andrew Seidl. March 15, 2011. Kasane, Botswana. 70 people."

2011, "Working landscapes, economic valuation & public policy. Meeting of the Conservation Development Working Group. Colorado State University. March 10, 2011. 10 people."

2010, "A route with a view: The contribution of scenic landscapes to a World Heritage Site gateway community. INVTUR 2010: Tourism Research: The State of the Art and Future Perspectives. March 2010. Portugal. Ellingson, L., Seidl, A., and L. Pratt. (Ellingson)", peer-reviewed/refereed.

2010, "Agriculture and biodiversity. Croplife International Biodiversity World Tour, Nagoya, Japan, October 27, 2010. <http://arjuna.rcms.rambla.be/webinar/36190> (20 people live, unknown web viewers)".

2010, "Agriculture and ecosystem services. 8th General Assembly of the Sustainable

Agriculture Initiative Platform,
Crozet, France. 13 April, 2010. (27
people)".

2010, "Economics of Ecosystems & Food (&
Nutrition) Security. LEAD International
Annual Meeting. Port Elizabeth, South
Africa. 2 November, 2010. (130 people)".

2010, "Economics of policy research for
decision-making: Improving the
connections. CRISP Economics Workshop,
Investing in coral reefs: Is it worth
it? Noumea, New Caledonia. November 25,
2010. (40 people)".

2010, "Ecosystem services and food sector
sustainability indicators. Barilla and
FONDACA Workshop: The future of
sustainability reporting in the food
sector. Milan, Italy. October 8, 2010.
(100 people)".

2010, "From the bottom up: Ecosystem service
valuation at the IUCN. Global
partnership for ecosystem valuation and
wealth accounting: learning from other
initiatives and country experiences.
Gakuin University, Nagoya, Japan,
October 25, 2010. (20 people)".

2010, "Making money grow on trees: Incentive
based policies for biodiversity and
ecosystems. Swiss Federal Institute of
Technology (ETH). Zurich, Switzerland,
November 10, 2010. (30 people)".

2010, "Natural resource based economic
development: Translating economic
valuation into local economic
opportunity. Climate and Environment
Mainstreaming and the Green Economy to
achieve the Millennium Development
Goals, 15th Poverty Environment
Partnership Meeting, Lilongwe, Malawi.
March 1-5, 2010.
<http://www.povertyenvironment.net/pep15>.
(85 people)".

2010, "Nurturing natural opportunity:
Biodiversity economics, business &
policy. May 21, 2010. Nestle
Sustainability Day. Vevey, Switzerland.
(35 people)".

2010, "Population, climate change, and development: Cross cutting themes. Facilitated panel. LEAD International Annual Meeting. Port Elizabeth, South Africa. 1 November, 2010. (250 people)".

2010, "Preserving scarce resources. OECD Forum. Paris, France. May 26-27, 2010. (700 people)".

2010, "Setting the stage. CRISP Economics Workshop, Investing in coral reefs: Is it worth it? Noumea, New Caledonia. November 22, 2010. (25 people)".

2010, "Synthesis of the workshop recommendations. CRISP Economics Workshop, Investing in coral reefs: Is it worth it?, Noumea, New Caledonia. November 26, 2010. (50 people)".

2010, "The wealth of nature: IUCN, Economics and opportunities for collaboration. Economics Seminar Series. Colorado State University. Fort Collins, CO, USA. August 29, 2010. (50 people)".

2010, "Total Economic Valuation of Coral Reefs and Marine Protected Areas in the Pacific: What works, what doesn't. CRISP Economics Workshop, Investing in coral reefs: Is it worth it? Noumea, New Caledonia. November 23, 2010. (25 people)".

2010, "Understanding The Economics of Ecosystems and Biodiversity (TEEB). An IUCN Workshop & Seminar Series Sponsored by Mercuria Energy Group, Nagoya, Japan, October 21, 2010. (40 people)".

2010, "Using valuation in cost benefit analysis of coral reef protection in the Pacific: Evidence and recommendations. CRISP Economics Workshop, Investing in coral reefs: Is it worth it? Noumea, New Caledonia. November 24, 2010. (25 people)".

2010, "Valuation of dryland ecosystem services and biodiversity in Eastern and Central Africa. ASARECA Training. Nairobi, Kenya. April 27-28, 2010. (15 people)".

TEACHING:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u>Cr. Hrs.</u>	<u>Enrollment</u>
2016	Spring	AREC460 - Ag- and Resource-Based Economic Development	3	29
2016	Spring	AREC340 - Introduction: Economics of Natural Resources	3	38
2016	Spring	AREC340 - Introduction: Economics of Natural Resources	3	13
2016	Spring	ECON340 - Introduction: Economics of Natural Resources	3	34
2015	Fall	BUS680A1 - Economics of Ecosystems and Biodiversity	3	29
2015	Fall	AREC341 - Environmental Economics	3	8
2015	Summer	AREC487 - Internship	6	4
2015	Spring	AREC460 - Ag- and Resource-Based Economic Development	3	18
2015	Spring	BUS690E - Contemporary Issues - Global Enterprise	6	20
2015	Spring	AREC799 - Dissertation	18	8
2015	Spring	AREC340 - Introduction: Economics of Natural Resources	3	35
2015	Spring	AREC340 - Introduction: Economics of Natural Resources	3	6
2015	Spring	ECON340 - Introduction: Economics of Natural Resources	3	39
2014	Fall	AREC380A2 - Environmental Economics	3	32
2014	Spring	BUS690E - Contemporary Issues - Global Enterprise	6	23
2014	Spring	BUS690A - Contemporary Issues in Business: The Economics of Ecosystem Services	1	0
2014	Spring	AREC460 - Economics of World Agriculture	3	42
2014	Spring	BUS690A - Ecosystem Services and Business Enterprise	1	29
2014	Spring	AREC340 - Introduction: Economics of Natural Resources	3	41
2014	Spring	ECON340 - Introduction: Economics of Natural Resources	3	41
2014	Spring	AREC699 - Thesis	18	6
2013	Fall	AREC506 - Applied Microeconomic Theory	3	11
2013	Fall	NR562 - Ecosystem Services in a Changing World	3	19
2013	Spring	AREC460 - Economics of World Agriculture	3	41
2013	Spring	AREC340 - Introduction: Economics of Natural Resources	3	26
2013	Spring	ECON340 - Introduction: Economics of Natural Resources	3	27
2012	Fall	AREC740 - Advanced Resource and Environmental Economics	3	2
2012	Fall	AREC580A3 - Applied Microeconomic Theory	3	9
2011	Spring	AREC566 - Contemporary Issues in Developing Countries	3	11
2009	Spring	AREC799 - Dissertation	18	13
2009	Spring	AREC495 - Independent Study	18	8
2008	Fall	AREC566 - Contemporary Issues in Developing Countries	3	13
2008	Fall	AREC799 - Dissertation	18	11
2008	Fall	AREC699 - Thesis	18	8
2008	Spring	AREC799 - Dissertation	18	9
2008	Spring	AREC460 - Economics of World Agriculture	3	16
2008	Spring	AREC572 - Social Benefit Cost Analysis	3	13
2007	Fall	AREC799 - Dissertation	18	9

Guest Lectures:

<u>Year</u>	<u>Semester</u>	<u>Course No./Title</u>	<u># of Guest Lectures</u>	<u>Delivery Mode</u>
2015	Spring	AGRI270 - Agri270	1	Face to Face
2014	Fall	NR680 - Ecosystem Services	1	Face to Face
2013	Spring	AGRI270 - Agri270	1	Face to Face

Evidence of Teaching Effectiveness (Annual Input)

Student Course Surveys

Fall 2013, AREC 506–Applied Microeconomic Theory
Course 4.0, Instructor 4.46.

Spring 2013, AREC 460–Economics of World Agriculture
4.09 mean course, 4.39 mean instructor. Students tended to be critical of strict grading by TA.
Otherwise, quite positive.

[Copy of Teaching Evaluation Summary AREC4602013-1.xls](#)

Spring 2013, AREC 340–Introduction: Economics of Natural Resources
Mean course: 3.59, Mean instructor, 4.02. Students were critical of strict grading by TA, otherwise quite positive.

[Copy of Teaching Evaluation SummaryAREC340Spring2013-1.xls](#)

Spring 2013, ECON 340–Introduction: Economics of Natural Resources
Mean course: 4.19, Mean instructor: 4.61. Students were critical of strict grading by TA, otherwise quite positive.

[Copy of Teaching Evaluation SummaryECON3402013-1.xls](#)

EXTENSION/ENGAGEMENT ACTIVITIES/ACCOMPLISHMENTS

Fact Sheet Downloads

Farm Bill Conservation Title. Percent Responsible: 100%. 3rd Quarter 2014.

Presentation

Greening development and the UN: Anecdotes and Observations. United Nations Organization of Northern Colorado, 10th Annual Meeting, Fort Collins, Colorado. 22 February, 2014. Fort Collins, Colorado. Number of times program was made: 1. Total number of participants: 40. Percent Responsible: 100%. 1st Quarter 2014.

Putting a Price on Nature: The economics of ecosystems, Managing the planet: Topics in Sustainability, Avogadro's Number, Fort Collins, Colorado, 26 February, 2014., Fort Collins, Colorado. Number of times program was made: 1. Total number of participants: 150. Percent Responsible: 20%. 1st Quarter 2014.

Working landscapes and economic development: Public values from private lands. Salida Community Center, Salida, Colorado. 2 May 2014., Salida, Colorado. Number of times program was made: 1. Total number of participants: 30. Percent Responsible: 100%. 2nd Quarter 2014.

Land use and water efficiency on the rural-urban interface. Denver, CO. Number of times program was made: 1. Total number of participants: 50. Percent Responsible: 100%. 2013.

Economic valuation of ecosystem services for conservation easements. Denver, CO. Number of times program was made: 1. Total number of participants: 20. Percent Responsible: 100%. 2012.

Nature-based economic development solutions. Fort Collins, CO. Number of times program was made: 1. Total number of participants: 100. Percent Responsible: 100%. 2012.

Workshop

Wetlands, Windmills and Wapiti: The Wider Spectrum of Ranching Values. Ranching and a West that Works. Fort Collins, Colorado, 24-25 April, 2014. Seidl A. and T. Taylor., Fort Collins, Colorado. Number of times program was made: 1. Total number of participants: 150. Percent Responsible: 20%. 2nd Quarter 2014.

Economic insights on climate policy: Global to Domestic. Future Earth: International Sustainable Development Colloquium, Fort Collins, Colorado, October 7, 2014., Fort Collins, Colorado. Number of times

program was made: 1. Total number of participants: 50. Percent Responsible: 50%. 4th Quarter 2014.

Leakage and community economic development., meeker, CO. Number of times program was made: 1. Total number of participants: 25. Percent Responsible: 100%. 2013.

Industrial clusters and community economic development., Steamboat Springs, CO. Number of times program was made: 1. Total number of participants: 25. Percent Responsible: 100%. 2012.

COMMITTEES

School of Global Environmental Sustainability, (2015 - Present).

Biodiversity Working Group, SOGES, (2012 - Present).

Doctoral and Masters Committees: Outside member, (2012 - Present).

Guest Lecture: NR690, (2014).

Internal Advisory Committee, CSU Diversity Strategic Planning Area Review Committee (SPARC), (2013).
(2012).

CAS Student Affairs Committee, (2015 - Present).

College Strategic Plan: Land Use, (2012 - Present).

Planning committee: International Symposium: Future Earth, (2014).

College of Agriculture Representative, Internal Advisory Committee, CSU Diversity Strategic Planning Area Review Committee (SPARC), Office of the Vice President for Diversity, Colorado State University., (2013).

College Strategic Plan: Land Use, (2013 - Present).

Mentor Committee: Dale Manning, (2013 - Present).

Ph.D. Preliminary Examination, (2012 - Present).

Undergrad major in Environmental and Resource Economics, (2012 - Present).

USDA-FEP FAS, (1998 - Present).

DARE Undergrad Committee, (2014 - 2015).

Mentor Committee: Jordan Suter, (2013 - 2015).

Graduate Committee, (2012 - 2015).

Promotion and Tenure Committee, (January 2015 - May 2015).

DARE Seminar Series, (September 2014 - May 2015).

Search Committee: UG advisor, (2014).

DARE-ECON Grad Committee, (2013 - 2014).

Faculty Search Committee, (August 2012 - March 2013).

(2012).

PROFESSIONAL AFFILIATIONS AND ACTIVITIES

(CSU) Conservation Development Research Group. (2010 - 2012).

Member, SOGES Biodiversity Initiative.

Member, SOGES Global Challenge Research Team: Conservation Development.

Reviewer, Journal Article, Ecosystem services. (2014 - Present).

Ecological Economics. (2012 - Present).

Forest Policy and Economics. (2012 - Present).

Chairperson, University of Bordeaux, Bordeaux. (December 2015 - June 2018).

Reviewer, Grant Proposal, Czech Academy of Sciences. (2013 - 2015).

Member, Rural land use and planning. (2013 - 2015).

Reviewer, Ad Hoc Reviewer, Rolex Award. (2014).

Workshop Organizer, UNESCO MA Program in World Heritage. (2013 - 2014).

Reviewer, Textbook, Universitat Politècnica de Catalunya (UPC). (2013 - 2014).

Reviewer, Ad Hoc Reviewer, Conservation International. (2012 - 2014).

Reviewer, Ad Hoc Reviewer, UN Convention on Biological Diversity. (2012 - 2014).

Reviewer, Journal Article, Journal of Recreation Research. (2013).

BIOECON. (2012 - 2013).

Committee Chair, Faculty Search Committee. (2012 - 2013).

Reviewer, Ad Hoc Reviewer, Food and Agriculture Organization, United Nations. (2012 - 2013).

Member, Graduate Committee. (2012 - 2013).

Member, Tenure and Promotion Committee. (2012 - 2013).

Task Force Member, Green Development Initiative (GDI). (2011 - 2013).

Member, School of Global Environmental Sustainability. (2008 - 2013).

International Development Studies. (2004 - 2013).

Graduate Degree Program in Ecology. (2002 - 2013).

Foreign Exchange Program. (1998 - 2013).

United Nations Environment Programme. (2012).

Member, (CSU) Conservation Development Research Group. (2010 - 2012).

Member, Agri-food security task force (FAO/UNEP). (2010 - 2012).

Member, Green Economy Coalition. (2010 - 2012).

Editor, Associate Editor, Society and Natural Resources. (2005 - 2008).

OTHER ACTIVITIES/ACCOMPLISHMENTS – SERVICE/OUTREACH

Interaction with Industry, Nespresso MBA Challenge. (2013 - 2015).

Board of Directors of a Company, Green Development Initiative. (2010 - 2012).

Board of Directors of a Company, Sustainable Agriculture International Platform. (2009 - 2012).
