

CURRICULUM VITAE Mar 2007

CLAIRE KREMEN

Department of Environmental Science, Policy and Management
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University of California
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CURRENT POSITIONS

Assistant Professor of Arthropod Biodiversity, Department of Environmental Science, Policy and Management, University of California, Berkeley

Curator, Essig Museum of Entomology, University of California, Berkeley

Associate Conservationist, The Wildlife Conservation Society

EDUCATION

Ph.D in Zoology, Duke University, 1987.

B.Sc. in Biology (with honors and distinction), Stanford University, 1982.

Professional courses: Organization for Tropical Studies field course (1988); The Bee Course (Am. Museum of Nat. History, 1999)

HONORS AND FELLOWSHIPS

Presidential Chairs Fellowship, University of California, 2006

McDonnell 21st Century Award: 2001-present

John S. Gregg Lectureship, Duke University: 1987

James B. Duke graduate fellowship: 1985-1987

National Science Foundation graduate fellowship: 1982-1985

PRIOR PROFESSIONAL EXPERIENCE

2001 - 2005 Assistant Professor of Conservation Biology, Dept. of Ecology and Evolutionary Biology, Princeton University; Associated Faculty Member, Princeton Environmental Institute, Princeton University

1996- 2001. Senior Research Scientist, Center for Conservation Biology, Stanford University, and Associate Conservationist, Wildlife Conservation Society.

1993- 1996. Madagascar Country Program Director, Wildlife Conservation Society

1. Established the WCS country office and conservation program and developed collaborative accords with Malagasy partner institutions. 2. Served as WCS representative for the Projet Masoala, a consortium-run integrated conservation and development program to establish a new national park on the Masoala Peninsula (see below). 3. Trained and supervised Malagasy students and staff in the field; catalyzed training and capacity-building opportunities for Malagasy university students and staff abroad. 4. Coordinated/implemented a biodiversity study of the butterflies, tiger and scarab beetles of Madagascar in collaboration with the Natural History Museum (London).

1993-1996. Conservation Technical Advisor, Projet Masoala, Madagascar (**concurrent**). In charge of design and establishment of the Masoala National Park. Supervised 20 full-time staff and five scientific teams; developed funding proposals, contracts, terms of reference, budgets, reports, presentations, annual work plans/log frames for this 2.7 million dollar project. The park that I designed is the largest in Madagascar and contains significant tracts of lowland rain forest and many other habitat types. See Research and Field Experience for further details.

1991-1993. Madagascar Program Coordinator, The Xerces Society, Center for Conservation Biology and The Wildlife Conservation Society. Responsible for program development, fund-raising and implementation of a conservation biology research and training program in Madagascar, focusing on biological inventory and ecological monitoring for reserve design and management.

1989-1991. Conservation Scientist, The Xerces Society. Responsible for developing tools for habitat conservation using target invertebrate groups. Conducted research, developed databases and organized workshops.

1988-1989. Conservation Officer, Ranomafana National Park Project/Duke University, Activities included proposal development and fund-raising, conservation education, public relations and coordination, and biological inventory and conservation biology for a national park in Madagascar.

1989. Instructor, Animal Diversity, Duke University

PUBLICATIONS

In press

Zhang, W., T. H. Ricketts ; **C. Kremen** , K. Carney & S. M. Swinton.. Ecosystem Services and Dis-services to Agriculture. *Ecological Economics*, in press.

Kremen C. and R. Chaplin. In press. Insects as providers of ecosystem services: crop pollination and pest control. In *Insect Conservation Biology: proceedings of the Royal Entomological Society's 23rd Symposium*. (Stewart, A.J.A., New, T.R. and Lewis, O.T. (eds)) CABI Publishing, Wallingford.

Kremen, C. In press. Wild bees as crop pollinators. In *Bee Pollinators in Agricultural Ecosystems* (R. James and T. Pitt-Singer, eds.), Oxford University Press.

Published

Kremen, C., N. M. Williams, M. A. Aizen, B. Gemmill-Harren, G. LeBuhn, R. Minckley, L. Packer, S. G. Potts, T. Roulston, I. Steffan-Dewenter, D. P. Vazquez, R. Winfree, L. Adams, E. E. Crone, S. S. Greenleaf, T. H. Keitt, A. M. Klein, J. Regetz, and T. H. Ricketts. 2007. Pollination and other ecosystem services produced by mobile organisms: a conceptual framework for the effects of land-use change. *Ecology Letters* **10**:299-314.

Greenleaf, S., N. Williams, R. Winfree, & **Kremen C.** 2007, Bee foraging ranges and their relationships to body size. *Oecologia*. Online. 10.1007/s00442-007-0752-9

Williams N. & **Kremen C.** 2007. Floral resource distribution among habitats determines productivity of a solitary bee, *Osmia lignaria*, in a mosaic agricultural landscape. *Ecological Applications*. 17:910-921

Winfree R., Griswold T. & **Kremen C.** (2007). Effect of human disturbance on bee communities in a forested ecosystem. *Conservation Biology* 21:213-223.

Klein A.M., Vaissière B., Cane J.H., Steffan-Dewenter I., Cunningham S.A., **Kremen C.** & Tscharntke T. (2007). Importance of crop pollinators in changing landscapes for world crops. *Proceedings of the Royal Society of London Series B-Biological Sciences* 274: 303-313.

Good, T. C., M. L. Zjhra and **C. Kremen.** 2006. Dealing with data deficiency in classifying extinction risk: A case study of a radiation of Bignoniaceae from Madagascar. *Conservation Biology*, 20:1099-1110.

Greenleaf, S. S. and **C. Kremen** (2006). Wild bees enhance honey bees' pollination of hybrid sunflower. *Proceedings of the National Academy of Sciences* 103: 13890-13895.

Greenleaf, S. and **C. Kremen** (2006). Wild bee species increase tomato production but respond differently to surrounding land use in Northern California. *Biological Conservation* 133: 81-87.

Kim, J., N. M. Williams and **C. Kremen.** (2006). Effects of cultivation and proximity to natural habitat on ground-nesting native bees in California sunflower fields. *Journal of the Kansas Entomological Society* 79(4): 309-320.

Kremen, C., and R. S. Ostfeld. 2005. A call to ecologists: measuring, analyzing, and managing ecosystem services. *Frontiers in Ecology and the Environment* 3:540-548.

Kremen, C. 2005. The ecology and management of crop pollination services. In *Principles of Conservation Biology, 3rd Edition* (Martha J. Groom, Gary K. Meffe, and C. Ronald Carroll, editors). Sinauer and Associates: Sunderland, MA, p. 54.

Kremen, C. 2005. Managing for ecosystem services: what do we need to know about their ecology? *Ecology Letters*, 8:468-479.

Larsen, T. H., N. M. Williams and **C. Kremen.** 2005. Extinction order and altered community structure rapidly disrupt ecosystem functioning. *Ecology Letters*, 8:538-547.

Winfree, R. , J. Dushoff, E. Crone, C. Schultz, N. Williams, R. Budny, **C. Kremen.** 2005. Simple indices of habitat proximity: general uses and empirical tests. *American Naturalist*, 165:707-717.

Balvanera, P., **C. Kremen** and M. Martinez. 2005. Applying community structure analysis to ecosystem function: examples from pollination and carbon storage. *Ecological Applications*, 15:360-375.

Kremen, C., N. M. Williams, R. L. Bugg, J. P. Fay and R. W. Thorp. 2004. The area requirements of an ecosystem service: crop pollination by native bee communities in California. *Ecology Letters*, 7:1109-1119.

Kremen, C. 2004. Pollination services and community composition: does it depend on diversity, abundance, biomass or species traits? Pp. 115-123 in *Solitary Bees: Conservation, Rearing and Management for Pollination* (Freitas, B.M. and Pereira, J.O.P., eds), Beberibe, Ceara, Brazil.

Andrew Balmford, Leon Bennun, Ben ten Brink, David Cooper, Isabelle Côté, Peter Crane, Andrew Dobson, Nigel Dudley, Ian Dutton, Rhys E. Green, Richard D. Gregory, Jeremy Harrison, Elizabeth T. Kennedy, **Claire Kremen**, Nigel Leader-Williams, Tom Lovejoy, Georgina Mace, Robert May, Philippe Mayaux, Paul Morling, Joanna Phillips, Kent Redford, Taylor H. Ricketts, Jon Paul Rodriguez, M. Sanjayan, Peter Schei, Albert van Jaarsveld, Bruno A. Walther. 2004. The Convention on Biological Diversity's 2010 target. *Science*, **307**:212-213.

Kremen, C., Lees, D. C. and J. Fay. 2003. Butterflies and conservation planning in Madagascar: from pattern to practice. Pp 517-540 in *Ecology and Evolution Taking Flight: Butterflies as Model Systems* (C. L. Boggs, W. B. Watt, and P. R. Ehrlich, Eds.). University of Chicago Press.

Kremen, C. 2003. The Masoala Peninsula. Pp. 1459-1466 in *The Natural History of Madagascar* (S. Goodman and J. P. Benstead, Eds.). University of Chicago Press.

Lees, D., **Kremen, C.** and H. Raharitsimba. 2003. The butterflies of Madagascar. Pp 762-791 in *The Natural History of Madagascar* (S. Goodman and J. P. Benstead, Eds.). University of Chicago Press.

Kremen, C., Williams, N. M. and R. W. Thorp. 2002a. Crop pollination from native bees at risk from agricultural intensification. *PNAS*, **99**:16812-16816. (Selected as "Editor's Choice", *Science*, 12/20/2002).

Kremen, C., R. L. Bugg, N. Nicola, S. A. Smith, R. W. Thorp and N. M Williams. 2002b. Native bees, native plants and crop pollination in California. *Fremontia* **30**:41-49. (Invited selection for special issue on Californian insects).

Kremen, C., Lees, D. C., Razafimahatratra, V. and H. Raharitsimba. 2001. Designing a new national park in Madagascar: the use of biodiversity data. Pp. 400-428 in *African Rain Forest Ecology And Conservation* (W. Weber, A. Vedder, H. S. Morland, L. White and T. Hart, Eds.), Yale University Press.

Balvanera, P., Daily, G. C., Ehrlich, P. R., Ricketts, T. H., Bailey, S. A., Kark, S., **Kremen, C.** and H. Pereira. 2001. Conserving biodiversity and ecosystem services: conflict or reinforcement? *Science*, **291**:2047.

Fimbel, R., Bennett, E. and **C. Kremen**. 2001. Programs to assess timber harvesting effects on tropical forest wildlife and their natural habitat. Pp. 405-422 in *The Cutting Edge: Conserving Wildlife in Logged Tropical Forests*, (R. A. Fimbel, A. Grajal and J.G. Robinson, Eds.). Columbia University Press.

Heal, G., Daily, G. C., Ehrlich, P.R., Salzman, J., Boggs, C., Hellmann, J., Hughes, J., **Kremen, C.** and T. Ricketts. 2001. Protecting natural capital: ecosystem service districts. *Stanford Environmental Law Quarterly*, **20**:333-364.

Torres, E., Lees, D. C., Vane-Wright, R.I., **Kremen, C.**, Leonard, J.A. and Wayne, R.K. 2001. Testing monophyly in a large radiation of Madagascan butterflies (Lepidoptera: Satyrinae: Mycalesidina) using mitochondrial DNA data. *Molecular Phylogenetics and Evolution*, **20**:460-473.

Kremen, C. Niles, J., Dalton, M., Daily, G., Ehrlich, P., Fay, P., Grewal, D. and R. P. Guillery. 2000. Economic incentives for rain forest conservation across scales. *Science*, **288**:1828-1832.

Kremen, C. and T. Ricketts. 2000. Global perspectives on pollination disruptions. *Conservation Biology*, **14**:1226-1228. (Lead article for four articles co-edited by myself and T. Ricketts).

Andriamampianina, L., **Kremen, C.**, Lees, D. C., Vane-Wright, R. and V. Razafimahatratra. 2000. Taxic richness patterns and conservation evaluation of Madagascar tiger beetles (Coleoptera: Cicindelidae). *Journal of Insect Conservation*, **4**:109-128.

P. Ehrlich and **C. Kremen**. 2000. Human impacts on ecosystems – an overview. Pp. 383-393 in *Encyclopedia of Biodiversity* (S. Levin, Ed.). Academic Press, San Diego, Ca..

Kremen, C., Razafimahatratra, V., Guillery, R. P., Rakotomalala, J., Weiss, A., and J. Ratsitsompatrivo. 1999. Designing a new national park in Madagascar based on biological and socio-economic data. *Conservation Biology*, **13**:1055-1068.

Kremen C., Lance, K., Raymond, I. and A. Weiss. 1999. Monitoring natural resource use on the Masoala Peninsula, Madagascar: a tool for managing integrated conservation and development projects. Pp. 63-84 in *Measuring Conservation Impact: An Interdisciplinary Approach to Project Monitoring and Evaluation*, (K. Saterson, R. Margoluis and N. Salafsky, Eds.) Biodiversity Support Program, Washington, D.C.

Lees, D.C., **Kremen, C.** and L. Andriamampianina. 1999. A null model for species richness gradients: bounded range overlap of butterflies and other rainforest endemics in Madagascar. *Biological Journal of the Linnean Society*, **67**:529-584.

Kremen, C., Lance, K. and I. Raymond. 1998. Interdisciplinary tools for monitoring conservation impacts in Madagascar. *Conservation Biology*, **12**:549-563.

Kremen, C. and H. F. Nijhout. 1998. Control of pupal commitment in the imaginal disks of *Precis coenia* (Lepidoptera: Nymphalidae). *Journal of Insect Physiology*, **44**:287-296.

Merenlender, A. M., **Kremen, C.**, Rakotondratsima, M. and A. Weiss. 1998. Monitoring impacts of natural resource extraction on lemurs on the Masoala Peninsula, Madagascar. *Conservation Ecology*, **2**(2), Article 5, <http://www.consecol.org/Journal/vol2/iss2/art5/>.

Kremen, C., Merenlender, A.M. and D. D. Murphy. 1994. Ecological monitoring: a vital need for integrated conservation and development programs in the tropics. *Conservation Biology*, **8**:388-397.

Kremen, C. 1994. Biological inventory using target taxa: a case study of the butterflies of Madagascar. *Ecological Applications*, **4**:407-422.

Kremen, C., Colwell, R., Erwin, T. L., Murphy, D. D., Noss, R. F. and S. Muttulingam. 1993. Terrestrial arthropod assemblages: their use as indicators for biological inventory and monitoring programs. *Conservation Biology*, **7**:796-808.

-- Ibid. 1995. Reprinted in *Readings From Conservation Biology: To Preserve Biodiversity - An Overview*. (D. Ehrenfeld, Ed.) Blackwell Science, Inc. and The Society for Conservation Biology, Cambridge, Massachusetts.

Kremen, C. 1992. Assessing indicator species assemblages for natural areas monitoring: guidelines from a study of rain forest butterflies in Madagascar. *Ecological Applications*, **2**:203-217.

Kremen, C. 1989. Patterning during pupal commitment of the epidermis in the butterfly, *Precis coenia*: the role of intercellular communication. *Developmental Biology*, **133**:336-347.

Kremen, C. and H. F Nijhout. 1989. Juvenile hormone controls the onset of pupal commitment in the imaginal disks and epidermis of *Precis coenia* (Lepidoptera: Nymphalidae). *Journal of Insect Physiology*, **35**:603-612.

Watt, W. B., **Kremen, C.** and P. A. Carter. 1989. Testing the "mimicry" explanation for the *Colias "alba"* polymorphism: patterns of co-occurrence of *Colias* and pierine butterflies. *Functional Ecology*, **3**:193-199.

Kremen, C. 1987. Metamorphosis of the butterfly, *Precis coenia*, (Nymphalidae): commitment of the imaginal disks and epidermis to pupal development. Ph.D. thesis, Duke University, Durham, NC. 179 pp.

Nijhout, H. F., Wray, G. A., **Kremen, C.** and C. K. Teragawa. 1986. Ontogeny, phylogeny and evolution of form: an algorithmic approach. *Systematic Zoology*, **35**:445-457.

Book reviews

Kremen, C., Review of Nature And The Marketplace: Capturing The Value Of Ecosystem Services, by Geoffrey Heal. *The Quarterly Review Of Biology*, **77** (1) 2002

Technical Reports

Rakotondratsima, M. and **C. Kremen.** 2000. Rapport sur le suivi-écologique de deux Espèces de Lémuriens Diurnes dans la Presqu'île de Masoala. Wildlife Conservation Society, Antananarivo, Madagascar. 23 pp. and 2 annexes.

Kremen, C. 1999. Africa Program 5-Year Strategy: Proposal for Training and Capacity Building. For Wildlife Conservation Society. 17 pp.

Kremen, C. 1998. Evaluation of the Masoala ecological monitoring program. For CARE International Madagascar. 106 pp.

Kremen, C. 1997. Conservation banking: meeting multiple goals in resource stewardship. Confidential concept paper prepared for the Jasper Ridge Biological Preserve, Stanford, California. 23pp.

Kremen, C. 1997. Consultation en suivi-évaluation pour le Projet de Conservation et Développement Intégré de Masoala. Report prepared for CARE International Madagascar, Antananarivo, Madagascar. 30 pp.

Lemaraina. R. and **Kremen, C.,** 1996. Plan de mise en oeuvre du système de suivi-évaluation du Projet de Conservation et Développement Intégré de Masoala. Technical plan for CARE International Madagascar, Antananarivo, Madagascar. 34 pp. plus figures and annexes.

Kremen, C., Rakotomalala, J., Razafimahatratra, V., Rakotobe, O., Guillery, R.P., Azkandraina, A., and Jaomanana. 1995. Proposition des limites du Parc National Masoala. Technical plan for CARE International Madagascar, Antananarivo, Madagascar. 79 pp and three volumes of annexes.

Vonk, R., **Kremen, C.**, Guillery, R. P., Rakotobe, O. 1994. Initial Environmental Exam for the Masoala Integrated Conservation and Development Program. Prepared for United States Agency for International Development, Antananarivo, Madagascar. 11 pp.

Kremen, C., 1994. Monitoring the integrated conservation and development strategy: a demonstration project in Madagascar. Final Analytical Report for the Biodiversity Support Program, Washington, D.C. 11 pp. plus 10 attachments.

TEACHING

1988 – present: Various courses in Conservation Biology, including Freshman Seminar, Upper-level undergraduate Course, Graduate Lectures and Seminars, Visiting Lectures

EXTERNAL RESEARCH SUPPORT: GRANTS SINCE 2002

2007-2008 The John D. and Catherine T. MacArthur Foundation Grant. “Technological Innovations for Biodiversity Conservation in the Face of Climate Change in Madagascar” Project. \$390,000

2006-2008 Xerces Society sub-contract: \$38,713, Restoring pollination function on farms and ranches in California’ s Central Valley, Natural Resources Conservation Service.

2006 NESCENT Catalysis Grant. Historical perspectives on the distribution of biodiversity in Madagascar. Co-PI with PI Anne Yoder (Duke University).

2006-2007 Jr Faculty Research Grant: Ecological genetics of *Bombus* populations, \$10,000, Sole PI.

2006-2007 Western SARE: Pest control services from natural habitat, \$9650.00, 2005-2006. Sole PI.

2006-2007 Environment Foundation, Seed money for study of relationship between natural enemies, landscape and pest control on cole crops in California. \$10,000. Sole PI.

2005-2006 Jr Faculty Research Grant: Pest control services from natural habitat , \$5500, 2005-2006. Sole PI.

2005 - 2008. National Science Foundation, Ecology Panel. \$303,713. Community Disassembly and Ecosystem Function: Pollination Services Across Agro-Natural Landscapes. PI with co-PI Neal Williams (Bryn Mawr College).

2005. National Fish and Wildlife Foundation. \$50,290. Assessing and Restoring Native Crop Pollinators on Agricultural lands in New Jersey. PI with co-PI Neal Williams (Bryn Mawr College).

2004 - 2007. The John D. and Catherine T. MacArthur Foundation. \$180,000. Development of REBIOMA: a global network of biodiversity data for conservation planning and implementation in Madagascar. PI with co-PI Helen Crowley (Wildlife Conservation Society).

2004 - 2006. National Center for Ecological Analysis and Synthesis. Restoring an ecosystem service to a degraded landscape: native bees and crop pollination. \$67,700. PI with co-PI Neal Williams (Bryn Mawr College)

2004-2006. Critical Ecosystems Partnership Fund, Conservation International. \$90,000. Madagascar Biodiversity Network. Co-P.I. with PI Dr. Helen Crowley (Wildlife Conservation Society).

2002-2006 . McDonnell 21st Century Research Award. \$450,000. Biological diversity, landscape heterogeneity, and pollination services: a framework for adaptive management. Sole PI.

PROFESSIONAL SERVICE

2000 – present Member of Editorial Board: Conservation Biology

2005-2006 Appointed Member of National Academy of Sciences study on status of pollinators in North America, responsible for editing two of seven chapters.

Chief Technical Advisor, REBIOMA project, Wildlife Conservation Society, Madagascar, 2001-present. I advise on developing a national biodiversity database for conservation planning using state of the art bioinformatics, modeling and conservation planning tools.

Scientific Advisor: Madagascar Biodiversity Advisory Group for USAID; Madagascar Faunal Group, Xerces Society, International Pollinator Initiative

Member of North American Pollinator Protection Campaign (NAPPC) Conservation and Research working groups

Task Force Chair for NAPPC: Pesticide risk reduction program of NAPPC with the Environmental Protection Agency (2003-2004); Restoring pollination function to agricultural landscapes (2004-2005)

2005 Contributing Faculty of 1000, Conservation and Restoration section

Journal, book and grant proposal reviewer: Science, Nature, Proceedings of the Royal Society, Proceeding of the National Academy of Sciences, Public Library of Science, Ecology Letters, BioScience, TREE, Ecological Applications, Conservation Biology, Biological Conservation, Ecology, Fieldiana, Columbia University Press Journal of Economic Entomology, Oryx, Annals of Applied Biology, Wildlife Conservation Society, United States Department of Agriculture, Biotropica, Organization for Tropical Studies, Biodiversity Support Program, National Geographic, The Nature Conservancy,

UNIVERSITY SERVICE

Academic Advising, undeclared majors for CNR, F06 - present
Courses and Curriculum Committee, CNR, 2006-2008

Affirmative Action Committee, ESPM, 2006-2008
ESPM Departmental Seminar Series organizer (201S), Spring 2006
Advisor, McGraw Center for Teaching and Learning, Princeton University Advisory Board (2004 - 2005)
Princeton University EEB Graduate Student Selection Committee (2005)
Matthey College Fellow, Princeton University (2001-present)
Associated Faculty, Princeton Environmental Institute (2001-2005)

DOCTORAL and POST-DOCTORAL STUDENTS ADVISED

Princeton University

Post-doctoral advisees:

Dr. Neal Williams (2001-2003), currently Assistant Professor at Bryn Mawr College
Dr. Jim Regetz (2004-2005), currently staff at National Center for Ecological Analysis and Synthesis
Dr. Rae Winfree (2001-present)
Dr. Yael Mandelik(2005-present)
Dr. Alison Cameron(2005- present)

Doctoral advisees:

Dr. Sarah Greenleaf, (Ph.D obtained Princeton University, Jan. 2005); currently post-doc at UC Davis
Dr. Trond Larsen (Ph.D. obtained Princeton University, May 2006, currently Science Director, Friends of the Osa)
Rebecca Chaplin, current
Chris Golden, current
Tendro Ramaharitra, current
Alexandra Harmon-Threat, current

Post-doctoral and Graduate student support (past and present)

The Nature Conservancy Smith Post-doctoral fellowship: Williams
Princeton University Council on Science and Technology Post-doctoral fellowship: Winfree
Israel Binational Agriculture Research and Development Postdoctoral fellowship: Mandelik
NSF pre-doctoral fellowship: Greenleaf, Chaplin, Golden, Harmon-Threat, Shih
UC Chancellor's graduate fellowship: Harmon-Threat
UC International House graduate fellowship: Ramaharitra
EPA graduate fellowship: Greenleaf
Princeton University Centennial graduate fellowship: Larsen
Wildlife Conservation Society research fellowship: Larsen

Numerous undergraduate and Master's level students advised in thesis work in Madagascar, at Stanford and at Princeton.

SELECTED INVITED TALKS (Since 2002)

2006 Various talks on pollinators, community disassembly and ecosystem services

- UC Berkeley, Integrative Biology, Departmental Seminar
- UC Berkeley, Land Conservation Lunch
- USGS Menlo Park, Seminar series
- University of Toronto, EEB Departmental seminar

- NCEAS pollinator workshop (organized workshop and presented talk)
- 2005** “Pollinators and their value in the landscape”
- Wild Farm Alliance
 - Ecofarm Conference
 - California Academy of Sciences, Bioforum
 - Royal Entomological Society, Symposium speaker (with Rebecca Chaplin)
 - Diversitas First Open Science Conference, Symposium speaker and organizer
 - University of California, Davis, Departmental seminar
 - University of California, Berkeley, Departmental seminar
 - University of Connecticut, Departmental seminar
- 2004** “Ecosystem services: what do we need to know?”
- Plenary address, 5th Annual Ecological Integration Symposium, Texas A&M University
 - University of Mass, Departmental Seminar
 - University of California, Berkeley, Departmental Seminar
- “The Importance of Invertebrates”, Opening plenary address, Expanding the Ark: The Emerging Science and Practice of Invertebrate Conservation, American Museum of Natural History
- “Bees, crops and pollination in a Californian landscape”
- Dept. of Ecology and Evolutionary Biology, University of Colorado
 - Depts. of Wildlife Ecology & Biology, University of Maine
 - International Workshop on Solitary Bees and their role in Pollination, Brazil
 - Symposium on Well-Beeing of Pollinators, Entomology Society of America
- “Cross-taxon biogeography – modeling species distributions for conservation planning in Madagascar”
- Symposium on Conservation in Madagascar, Society for Conservation Biology
- 2003** “Designing the Masoala National Park within the integrated conservation and development context”
- Keynote address: Masoala Scientific Congress, Zoo Zurich
 - Development Seminar, Columbia University
- 2002** “Freebee services: bees, pollination and crops in a Californian landscape”
- Keynote address: Invertebrates in Captivity Conference.
 - School of the Environment, Duke University
 - CERC, Columbia University
 - Wildlife Group, Dept. of Environment, Science, Policy and Management, University of California, Berkeley
 - Dept. of Entomology, University of Kansas
 - National Center for Ecological Analysis and Synthesis, California
 - Dept. of Zoology, University of Wisconsin-Madison
 - Association of Applied Insect Ecologists (with Sarah Smith)
- “The Madagascar Biodiversity Network”
- Conservation International
 - Wildlife Conservation Society

- USAID-Madagascar Partner's Meeting