

Instructor Bios
Adaptive Management: Structured Decision Making for Recurrent Decisions

Instructors



Michael C. Runge is a research ecologist with the USGS Patuxent Wildlife Research Center where his primary responsibility includes; research on problems in quantitative ecology related to adaptive management of wildlife resources. His duties include; development and evaluation of principles and theories of adaptive resource management, development and implementation of large-scale management experiments, development of novel applications of adaptive management, technical support for ongoing applications of adaptive management, and development and implementation of other quantitative methods for wildlife management. Mike's areas of expertise/interest are: adaptive resource management; harvest management models; population modeling; matrix models; ecology and management of ground squirrels, manatees, and beavers; large-scale management experiments; biometrics; mathematical ecology. Mike received his BA in Biology and Philosophy from John Hopkins University in 1989, his M.A.T. in Secondary Education and Biology from Spalding University in 1994 and his Ph.D in Natural Resources from Cornell University in 1999. For additional information please go to the following website:

<http://www.pwrc.usgs.gov/staff/profiles/documents/runge.htm>



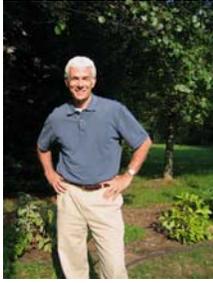
Mike Mayer is a senior regulatory specialist with the Louis Berger Group, Inc. based in Portland, Oregon. In his former positions with the National Park Service, Bonneville Power Administration, and the U.S. Forest Service, Mike's role focused on National Environmental Policy Act, Endangered Species Act, and other environmental laws, regulations and compliance requirements. He uses his unique training as both a fish and wildlife biologist and an environmental lawyer to address natural resource issues in scientifically and legally-defensible ways. Mike has been heavily involved with the Department of the Interior's Adaptive Management initiative, contributing to both the technical and applications guides and teaching courses with USGS and USFWS. Mike is also an adjunct faculty member for Marylhurst University developing and teaching sustainability and natural resource-focused courses as part of their on-line MBA program.



Clint Moore is a wildlife biologist and is Assistant Unit Leader of the Georgia Cooperative Fish and Wildlife Research Unit at the University of Georgia in Athens. His interest is in the application and development of quantitative methods for the management of wildlife populations and habitats, and a key focus of his is adaptive management. His recent projects included the development of an adaptive framework for the management of native prairies on USFWS-owned lands and decision analysis for the reintroduction of whooping cranes in Florida. He has undergraduate and doctoral degrees in wildlife biology from the University of Georgia and a masters degree in statistics from North Carolina State University. More information can be found at <http://profile.usgs.gov/cmoore>

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Jim Nichols received a BS degree in Biology from Wake Forest University in 1971, a M.S. Degree in Wildlife Management from Louisiana State University in 1973 and a Ph.D. in Wildlife Ecology from Michigan State University in 1976. He began work for the U.S. Fish and Wildlife Service at Patuxent Wildlife Research Center in 1976 and is currently a senior scientist at Patuxent with the U.S. Geological Survey. Nichols' research is broadly focused on the dynamics and management of animal populations and communities. Specific interests include the estimation of key variables and parameters associated with animal populations and communities, and the application of decision-theoretic approaches to making management and conservation decisions.



Jill Gannon is an Ecologist at the Northern Prairie Wildlife Research Center for the United States Geological Survey. Jill received her PhD in Wildlife Ecology and Management from the University of Georgia in 2005. She joined the USGS, Northern Prairie Wildlife Research Center in 2008, at which time she started working with the USFWS National Wildlife Refuge System to develop an adaptive decision support tool to assist refuges in managing native prairies against invasive grass species. Her research interests include applied conservation biology, management of wildlife populations and their habitats, and adaptive management.



Scott Boomer is a wildlife biologist in the Branch of Population and Habitat Assessment with the USFWS's Division of Migratory Bird Management. Scott's primary responsibilities include the development and implementation of decision frameworks that support migratory game bird management. Since 2007, he has coordinated the USFWS's Adaptive Harvest Management program. Scott's research and management activities focus on the application of estimation, modeling, and optimization methods to adaptive approaches to decision-making in the face of uncertainty. Scott earned a B.S. (1990), M.S. (1998), and Ph.D (2002) in wildlife science from Cornell University.

Teaching Assistant

Guillaume Péron is a postdoc with Colorado State University and Patuxent Wildlife Research Center. His current projects focus on applying capture-recapture methods to the estimation of bird and bat fatalities at wind-power plants. Previously he received a PhD in Ecology at Montpellier 2 University, France, in 2009, and a Master in Engineering Sciences and Management at Ecole des Mines, Paris, France, in 2005.