



Earthwatch Institute is an international nonprofit organization that supports scientific field research by offering members of the public unique opportunities to work alongside leading field research scientists. The Research Program at Earthwatch supports a diversity of research projects of high scientific merit worldwide, which address critical environmental and social issues at local, national, and international levels. Scholars interested in Earthwatch support should submit a preliminary proposal describing planned research, field methods, and the need for Earthwatch volunteer field assistants. If funding for the proposed research is deemed appropriate, a detailed full proposal will be invited for peer review.

**We are pleased to announce that the following projects  
have been approved for Earthwatch support for the 2007 fiscal year  
(October 2006 - September 2007)**

#### **ARGENTINA**

**Lucherini, Mauro, Ph.D.**, National Council of Scientific and Technological Research (CONICET) • **Claudia Manfredi**, National Council of Scientific and Technological Research (CONICET) • **Estela Luengos Vidal**, National Council of Scientific and Technological Research (CONICET) • **Diego Castillo**, National Council of Scientific and Technological Research (CONICET). *Top Predators of Central Argentina.*

#### **ARMENIA**

**Greenwood, Jane Britt, Ph.D.**, Mississippi State University • **Bella Karapetyan**, Historic Armenian Houses • **Ashot Mirzoyan**, City Research Center. *An Armenian Language Pattern.*

#### **AUSTRALIA**

**Bell, Ian**, Queensland Parks and Wildlife Service. Earthwatch North Queensland Regional Initiative: *Monitoring the Foraging and Nesting Population Demographics and Reproductive Biology of Hawksbill Turtles (Eretmochelys imbricata), on the Great Barrier Reef, Australia.*

**FitzSimmons, Nancy, Ph.D.**, University of Canberra • **Tony Tucker, Ph.D.**, Mote Marine Laboratory. *Freshwater Turtles of the Kimberley, Australia.*

**Freudenberger, David, Ph.D.**, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Sustainable Ecosystems • **Geoff Barrett, Ph.D.**, Commonwealth Scientific and Industrial Research Organisation (CSIRO) Sustainable Ecosystems. *Return of the Dawn Chorus, Australia.*

**Kutt, Alex, Ph.D.**, Commonwealth Scientific and Industrial Research Organisation (CSIRO) • **Jeanette Kemp**, Queensland Herbarium. *From Tropical Rainforest to Tropical Savannas: Biodiversity Conservation Management of Brooklyn Station, Queensland, Australia.*

**Lindenmayer, David, Ph.D.**, The Australian National University. *Australia Burning: Determining How Native Animals Respond to Fire.*

**Lindenmayer, David, Ph.D.**, The Australian National University • **Damian Michael**, The Australian National University. *Australia's Forest Marsupials.*

**Mahony, Michael, Ph.D.**, University of Newcastle. *Australia's Vanishing Frogs.*

**Melzer, Alistair, Ph.D.**, Koala Research Centre of Central Queensland • **Bill Ellis, Ph.D.**, University of Queensland. *Ecology of Koalas on St. Bees Island, Australia.*

**Norman, Brad**, ECOCEAN • **Jason Holmberg**, ECOCEAN. *Ningaloo Reef Whale Shark Conservation, Australia.*

**Paton, David, Ph.D.**, University of Adelaide. *Waterbirds of the Coorong, Australia.*

**Rismiller, Peggy Ph.D.**, University of Adelaide; Pelican Lagoon Research Centre. *Echidnas and Goannas of Kangaroo Island, Australia.*

**Stork, Nigel, Ph.D.**, James Cook University • **Steve Turton, Ph.D.**, James Cook University. *The Dynamics of Spatial and Temporal Use of a Wet Tropical Rainforest Canopy by Vertebrates and Invertebrates in Relation to Structural and Microclimate Variation, North Queensland, Australia.*

**Westcott, David, Ph.D.**, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Tropical Forest Research Centre. Earthwatch North Queensland Regional Initiative: *Fruits, Frugivores, and Seed Dispersal in a Changing Tropical Landscape, Australia.*

**Williams, Stephen, Ph.D.**, James Cook University. Earthwatch North Queensland Regional Initiative: *Impacts of Climate Change on Tropical Rainforests of Australia.*

#### **BAHAMAS**

**Dunn, Charlotte**, Bahamas Marine Mammal Survey • **Diane Claridge**, Bahamas Marine Mammal Survey. *Visual and Acoustic Survey of Bahamian Marine Mammal Species and Habitats.*

**Rollino, John**, Earth Tech Inc. • **Thomas McGrath**, Corning Community College • **Garriett Smith, Ph.D.**, University of South Carolina. *Long-term Study of Coral Bleaching on Reefs of San Salvador Island, Bahamas.*

**Sullivan Sealey, Kathleen, Ph.D.**, College of the Bahamas. *Coastal Ecology of the Bahamas.*

#### **BELARUS**

**Zelienkevich, Natalia**, National Academy of Sciences of Belarus. *Study of the Geobotanical State of Oligotrophic Bogs of Belarus with the Aim to Discover the Most Rare Complexes for Their Following Conservation, Belarus.*

#### **BELIZE**

**Cigliano, John, Ph.D.**, Cedar Crest College. Earthwatch Belize Regional Initiative: *How Effective is the Sapodilla Cayes Marine Reserve (Belize) in Protecting and Replenishing Queen Conch (Strombus gigas) Populations?*

**Cowich, Jorge**, Tropical Agriculture Research Center (CATIE). Earthwatch Belize Regional Initiative: *Indigenous Knowledge in the Management of Improved Cacao Agroforestry Systems in the Toledo District, Belize.*

**Crabbe, James, Ph.D.**, University of Luton. Earthwatch Belize Regional Initiative: *Coral Reefs of Belize.*

**Kaufman, Les, Ph.D.**, Boston University • **Burton Shank**, Boston University. Earthwatch Belize Regional Initiative: *Coral Resiliency and Coral Assemblage Structure in Marine Protected Areas of Southern Belize.*

**Self Sullivan, Caryn**, Texas A&M University; Sirenian International, Inc. • **Katherine LaCommare**, University of Massachusetts; Sirenian International, Inc. *Ecology and Behavior of Antillean Manatees in the Drowned Cayes, Belize.*

**Toledo Association for Sustainable Tourism and Empowerment (TASTE)**. Earthwatch Belize Regional Initiative: *Monitoring in the Sapodilla Cayes Marine Reserve in Southern Belize.*

**Toledo Institute for Development and the Environment (TIDE)**. Earthwatch Belize Regional Initiative: *Monitoring in the Port Honduras Marine Reserve in Southern Belize.*

**Wicks, Nicholas**, Ya'axché Conservation Trust. Earthwatch Belize Regional Initiative: *Monitoring Southern Belize's Rainforests and Rivers Threatened Species and Ecosystems*.

#### **BOTSWANA**

**Leslie, Alison, Ph.D.**, University of Stellenbosch. *Ecology, Physiology, and Conservation of the Nile Crocodile (Crocodylus niloticus) in the Okavango, Botswana*.

#### **BRAZIL**

**Donatelli, Reginaldo, Ph.D.**, Universidade Estadual Paulista. Earthwatch Pantanal Regional Initiative: *Birds and Dynamic Habitat Mosaics in the Pantanal, Brazil*.

**Fischer, Erich, Ph.D.**, Universidade Federal de Mato Grosso do Sul • **Andréa Araujo, Ph.D.**, Universidade Federal de Mato Grosso do Sul • **Gustavo Gracioli, Ph.D.**, Universidade Federal de Mato Grosso do Sul. Earthwatch Pantanal Regional Initiative: *Bat Assemblage in the Rio Negro: Richness, Diversity, Food Sources, and Ectoparasites, Brazil*.

**Santos, Marcos, Ph.D.**, Universidade Estadual Paulista. *Monitoring Marine Mammals in an Estuary in Southeast Brazil*.

**Silveira, Leandro, Ph.D.**, Jaguar Conservation Fund; Instituto Pró-Carnívoros • **Anah Tereza de Almeida Jacomo, Ph.D.**, Jaguar Conservation Fund; Instituto Pró-Carnívoros • **Cyntia Kayo Kashivakura**, Jaguar Conservation Fund • **Mariana Malzoni Furtado**, Jaguar Conservation Fund • **Natália Torres**, Jaguar Conservation Fund. *Carnivores of Brazil's Grasslands*.

**Waldemarin, Helen, Ph.D.**, Associação Ecológica Ecomarapendi • **Miguel Rico Barroeta**, Associação Ecológica Ecomarapendi • **Manoel Comes Muanis**, Associação Ecológica Ecomarapendi. Earthwatch Pantanal Regional Initiative: *Ecology and Conservation of Pantanal Otters, Brazil*.

**Wang, Ellen**, Earthwatch Institute; Universidade Estadual Paulista • **Mara Cintia Kiefer, Ph.D.**, State University of Rio de Janeiro • **Himmelstein, Jeffrey**, William Paterson University • **Hamish Campbell, Ph.D.**, University of Birmingham. Earthwatch Pantanal Regional Initiative: *Amphibians and Reptiles of the Southern Pantanal, Brazil*.

#### **CAMEROON**

**Dzikouk, Guillaume, Ph.D.**, Cameroon Biodiversity Conservation Society • **Taku Awa II**, University of Reading; Cameroon Biodiversity Conservation Society. *Contribution to the Bioecology of the Grey-necked Picathartes (Picathartes oreas), Cameroon*.

#### **CANADA**

**Buesching, Christina, Ph.D.**, Oxford University • **Chris Newman, Ph.D.**, Oxford University. *The Canadian Wildlife Project: Monitoring Mammals and Ecosystems*.

**Fishback, LeeAnn, Ph.D.**, Churchill Northern Studies Centre • **W. Ben Cash, Ph.D.**, Maryville College. Student Challenge Awards Program (SCAP): *Water Quality and Ecology of Tundra Wetlands, Canada*.

**Kershaw, G. Peter, Ph.D.**, University of Alberta. *Long Term Biodiversity at Treeline, Manitoba, Canada*.

**Megill, William, Ph.D.**, University of Bath; Coastal Ecosystems Research Foundation • **Michelle Kinzel**, Coastal Ecosystems Research Foundation • **Lei Lani Stelle, Ph.D.**, Rochester Institute of Technology; Coastal Ecosystems Research Foundation • **Jennifer Lindsay Wladichuk**, University of Bath; Coastal Ecosystems Research Foundation. *Grey Whales, Mysids, and the Migrations Between the Cape Caution (Canada) and Baja (Mexico) Ecosystems*.

## CHILE

**Medina-Vogel, Gonzalo, Ph.D.**, Universidad Nacional Andrés Bello • **Juliana de Abreu Vianna**, Universidad Nacional Andrés Bello. *Otters of Chile: Phylogeography of the Marine Otter (Lontra felina) and the Southern River Otter (Lontra provocax) in Chile.*

**Stevenson, Christopher, Ph.D.**, Virginia Department of Historic Resources • **Sonia Haoa**, Independent Researcher. *Easter Island: Prehistoric Settlement, Economy, and Political Evolution, Chile.*

## CHINA

**Dang, Anrong, Ph.D.**, Tsinghua University • **Jin Feng, D.Arch.**, Iowa State University • **Jiang Lu**, Eastern Michigan University • **Yanfeng Liu**, Yulin Collage. *A Traditional Settlement to be Left Behind Under the State Program of Reforestation, China.*

**Garshelis, David, Ph.D.**, Minnesota Department of Natural Resources • **William McShea, Ph.D.**, Smithsonian Institution National Zoological Park; Wildlife Conservation Society • **Xiaojuan Zhu, Ph.D.**, Peking University. *Investigating the Habitat Needs of Asiatic Black Bears in China's Giant Panda Reserves, China.*

**Gu, Wei-Zu**, Nanjing Institute of Hydrology and Water Resources • **Klaus-Peter Seiler, Ph.D.**, GSF-National Research Centre. *Ecological Research for Ejin Basin, Inner Mongolia.*

**Wu, Songdi, Ph.D.**, Fudan University • **Peter Bol, Ph.D.**, Harvard University • **Jie Liu, Ph.D.**, Shanghai Jiaotong University. *The Historical Roads, Bridges, and Villages in the Hill Country of Southeastern China.*

## CHUUK

**Jeffery, Bill**, James Cook University • **Ian Macleod, Ph.D.**, Western Australia Museum. *Researching and Preserving the Values of the Truk Lagoon World War II Underwater Cultural Heritage, Micronesia.*

## COSTA RICA

**Dyer, Lee, Ph.D.**, Tulane University. *Caterpillars in Diverse Ecosystems, U.S., Costa Rica, and Ecuador.*

**McKinney, Tracie**, Ohio State University • **W. Scott McGraw, Ph.D.**, Ohio State University. *Adaptation of Costa Rican Primates to Human Disturbance, Costa Rica.*

**Paladino, Frank, Ph.D.**, Indiana-Purdue University • **Harold Avery, Ph.D.**, Drexel University • **James Spotila, Ph.D.**, Drexel University • **Gabriella Blanco**, Drexel University • **Pilar Santidrian Tomillo**, Drexel University. *Leatherback Turtle Nesting Ecology and Physiology, Costa Rica.*

**Peters, Valerie**, University of Georgia. *Protection of Ecological Services Through Shade Tree Diversity in Shade Grown Coffee, Costa Rica.*

## CZECH REPUBLIC

**Krecek, Josef, Ph.D.**, Czech Technical University • **Zuzana Horicka**, Charles University. *Acid Rain: Rehabilitation of the Air-pollution-damaged Headwaters of North Bohemia, The Czech Republic.*

## ECUADOR

**Becker, C. Dustin, Ph.D.**, University of New Mexico • **Anthony Povilitis, Ph.D.**, University of New Mexico; Life Net • **Susan Wethington, Ph.D.**, Hummingbird Monitoring Network. *Conservation Studies: Birds and Ecotourism in Western Ecuador.*

**Dyer, Lee, Ph.D.**, Tulane University. *Caterpillars in Diverse Ecosystems, U.S., Costa Rica, and Ecuador.*

**Reinhardt, Ulrich, Ph.D.**, Eastern Michigan University • **Alan Tye, Ph.D.**, Charles Darwin Research Centre • **Jennifer Young**, University of Michigan. *Management of Invasive Quinine Trees and Conservation of an Endangered Bird Species in High-priority Areas in the Galapagos Islands, Ecuador.*

#### ESTONIA

**Joyce, Chris, Ph.D.**, University of Brighton • **Elle Puurmann**, West Estonian Archipelago Biosphere Reserve. *Restoring Biodiversity to Coastal Wet Grasslands in West Estonia.*

#### GHANA

**Adjewodah, Patrick**, Nature Conservation Research Centre (NCRC). *Re-emergence of the White-necked Rock Fowl in Ghana.*

**Ofori-Frimpong, Kwasi, Ph.D.**, Cocoa Research Institute of Ghana • **John Mason**, NCRC. *Sustainable Cocoa Farming Project, Ghana.*

**Ofori-Danson, Patrick, Ph.D.**, University of Ghana. *Manatees of the Volta Lake, Ghana.*

#### GREECE

**Bearzi, Giovanni, Ph.D.**, Tethys Research Institute; University of Venice • **Joan Gonzalvo**, University of Barcelona; Tethys Research Institute. *Investigating Ecosystem Structure and Dolphin-Fisheries Interactions in a "Natural Laboratory": The Amvrakikos Gulf, Greece.*

#### ICELAND

**Russell, Andrew, Ph.D.**, University of Newcastle Upon Tyne • **Jay Fleisher, Ph.D.**, State University of New York, Oneonta. *Glacier Outburst Floods, Glacier Surges, and Sediment Transfer: Implications for Proglacial Environments, Iceland and Alaska.*

#### JAPAN

**Kosuge, Yasuhiro**, Fresh Water Turtle Network. *Survey of the Endangered Indigenous Tortoise to Set up Conservation Methods, Chiba, Japan.*

**Minato, Shusaku, Ph.D.**, Dormouse Museum, Kiyosato Educational Experiment Project. *Ecological Survey to Set up the Conservation Method in the Forests and Mountains for Dormouse Habitation, Kiyosato, Japan.*

**Suda, Kazuki, Ph.D.**, Department of Environmental Systems, Geo-Environmental Science, Rissho University. *Survey on Distribution of Shika Deer Corpus and its Detritus Food Chain in Nikko National Park, Japan.*

**Suzuki, Yoshimi, Ph.D.**, Shizuoka University • **Beatriz Estela Casareto**, Laboratory of Aquatic Science. *Research Project on the Health of a Coral Reef Ecosystem, Okinawa, Japan.*

**Watanabe, Michihito**, Laboratory of Natural Science for Coexistence of Human and Nature. *Ecological Survey on Endangered Butterfly Species in and around Mount Fuji, Lake Kawaguchi, Japan.*

**Watanabe, Michihito**, Laboratory of Natural Science for Coexistence of Human & Nature • **Yasuo Hagiwara, DMSc.**, University of Showa. *Survey of the Ecology of Endangered Grassland Butterflies at the Foot of Mt. Fuji, Japan.*

#### KENYA

**Andanje, Samuel, Ph.D.**, Kenya Wildlife Service • **William Ogara, Ph.D.**, University of Nairobi • **Nicholas Oguge, Ph.D.**, Earthwatch Institute. *Earthwatch Samburu Regional Initiative: Carnivores in Conflict: Their Ecology and Conservation, and the Economic Impacts of Livestock Depredation, Kenya.*

**Foerster, Steffen**, Columbia University • **Elizabeth Mumia**, Moi University • **Geoffrey Wahungu, Ph.D.**, Moi University. *Consequences of Human-Animal Interactions on Behavior and Stress Levels of Wild Sykes Monkeys in Kenya.*

**Gatimu, Linus**, Moi University • **Geoffrey Wahungu, Ph.D.**, Moi University. *Sweetwaters Black Rhino Project, Kenya.*

**Harper, David, Ph.D.**, University of Leicester • **Kenneth Mavuti, Ph.D.**, University of Nairobi • **Ian Donohue, Ph.D.**, Trinity College, Dublin • **Jon Grey, Ph.D.**, University of London • **David Agassiz, Ph.D.**, The Natural History Museum, London • **Rob Britton, Ph.D.**, Environment Agency-U.K. *Kenya's Rift Valley Lakes.*

**Huxham, Mark, Ph.D.**, Napier University • **James Kairo, Ph.D.**, Kenya Marine and Fisheries Research Institute • **Martin Skov, Ph.D.**, University of Southampton. *The Effects of Species Richness on Growth and Ecosystem Functions of Restored East African Mangrove Stands, Kenya.*

**McKnight, Barbara, Ph.D.**, Kenya Wildlife Service • **Samuel Kasiki, Ph.D.**, Kenya Wildlife Service. *Tsavo Elephant Behavior and Boundary Crossings, Kenya.*

**Muoria, Paul, Ph.D.**, African Wildlife Foundation • **Daniel Rubenstein, Ph.D.**, Princeton University • **Nicholas Oguge, Ph.D.**, Earthwatch Institute • **Philip Muruthi, Ph.D.**, African Wildlife Foundation. *Earthwatch Samburu Regional Initiative: Grevy's Zebras: Ecological Monitoring on Pastoral Lands, Kenya.*

**Njue, Alexander, Ph.D.**, Kenyatta University • **Kiplagat Kotut, Ph.D.**, Kenyatta University. *Earthwatch Samburu Regional Initiative: Temporal and Spatial Distribution of Water Resources in the Samburu Region, with Emphasis on Water Quantity and Quality, Aquatic Biodiversity, Human Use, and Potential for Conflict, Kenya.*

**Ogol, Callistus, Ph.D.**, Kenyatta University • **Paul Okemo, Ph.D.**, Kenyatta University • **Isaiah Ndiege, Ph.D.**, Kenyatta University. *Earthwatch Samburu Regional Initiative: Indigenous Knowledge of Medicinal Plant Use and Conservation in Samburu, Kenya.*

**Ogweno, Donald, Ph.D.**, Moi University • **Fred Atieno**, Biodiversity International • **Alexander Njue, Ph.D.**, Kenyatta University. *Earthwatch Samburu Regional Initiative: Comparative Evaluation of Critical Wildlife Habitats in and Outside Protected Areas in Samburu, Kenya.*

**Patterson, Bruce, Ph.D.**, The Field Museum of Natural History • **Samuel Kasiki, Ph.D.**, Kenya Wildlife Service • **Alexander Mwazo Gombe**, Tsavo East National Park. *Ecology and Behavior of Maneless Lions in Arid Rangelands of Kenya.*

**Rubenstein, Daniel, Ph.D.**, Princeton University • **Joseph Kirathe**, Lewa Wildlife Conservancy • **Nicholas Oguge, Ph.D.**, Earthwatch Institute. *Earthwatch Samburu Regional Initiative: Grevy's Zebras: Ecological Monitoring on a Wildlife Conservancy, Kenya.*

## MADAGASCAR

**Dollar, Luke, Ph.D.**, Pfeiffer University • **Ken Glander, Ph.D.**, Duke University • **Julie Pomerantz, DVM**, Duke University. *Carnivores of Madagascar: Conservation, Distribution, and Abundance of Carnivores in Ankarafantsika and Kirindy Mitea National Parks, with Special Emphasis on the Impacts of Non-endemic Competitors on the Behavioral Ecology of the Fossa (*Cryptoprocta ferox*).*

**Ratsimbazafy, Jonah, Ph.D.**, Durrell Wildlife Conservation Trust, Madagascar Programme • **Vololoniaina Jeannoda, Ph.D.**, University of Antananarivo • **Fidimalala Bruno Ralainasolo**, University of Antananarivo. *Behavioral Ecology of the Remaining Black and White Ruffed Lemurs (*Varecia variegata editorium*) Following Catastrophic Habitat Destruction at Manombo Special Reserve, Madagascar.*

**Wright, Patricia, Ph.D.**, Stony Brook University • **Summer Arrigo-Nelson**, University of Notre Dame. *Behavioral Ecology of Rain Forest Lemurs (*Propithecus edwardsi*) in Ranomafana National Park, Madagascar.*

## MALAWI

**Bayliss, Julian, Ph.D.**, Wildlife Conservation Society; Mount Mulanje Conservation Trust. *The Mount Mulanje Ecological Monitoring Programme, Malawi.*

## MALAYSIA

**Kingston, Tigga, Ph.D.**, Texas Tech University. *Spatial Determinants of Insectivorous Bat Diversity: Pattern and Process in a Paleotropical Rainforest, Malaysia.*

## MÉXICO

**Carranza Castañeda, Oscar, Ph.D.**, Universidad Nacional Autónoma de México. *Mexican Megafauna.*

**Keir, Jerry**, Great Basin Institute; University of Nevada • **Juan Francisco Castellanos-Avila**, Universidad Autónoma de Baja California Sur • **Sudeep Chandra, Ph.D.**, University of Nevada • **Mark Raines, Ph.D.**, University of South Florida • **Kai Raines, Ph.D.**, University of South Florida • **Michael Marchetti, Ph.D.**, California State University, Chico • **Zeb Hogan, Ph.D.**, University of Nevada. *La Manzanilla Conservation Project, Mexico.*

**Koch, Volker, Ph.D.**, Universidad Autonoma de Baja California Sur • **William Megill, Ph.D.**, University of Bath; Coastal Ecosystems Research Foundation • **J. Wallace Nichols, Ph.D.**, Wildcoast; Blue Ocean Institute; Ocean Revolution. *Sea Turtle Ecology and Conservation, Baja, Mexico.*

**Megill, William, Ph.D.**, University of Bath; Coastal Ecosystems Research Foundation • **Michelle Kinzel**, Coastal Ecosystems Research Foundation • **Lei Lani Stelle, Ph.D.**, Rochester Institute of Technology; Coastal Ecosystems Research Foundation • **Jennifer Lindsay Wladichuk**, University of Bath; Coastal Ecosystems Research Foundation. *Grey Whales, Mysids, and the Migrations Between the Cape Caution (Canada) and Baja (Mexico) Ecosystems.*

## MONGOLIA

**Reading, Richard, Ph.D.**, Denver Zoological Foundation • **Sukhiin Amgalanbaatar**, Mongolian Academy of Sciences • **Ganchimeg Wingard**, Denver Zoological Foundation • **James Murdoch**, Oxford University. *Ecology and Conservation of Argali Sheep (Ovis ammon) in Mongolia.*

## NAMIBIA

**Leggett, Keith, Ph.D.**, Namibian Elephant and Giraffe Trust. *A Scientific and Conservancy Approach Towards Sustainable Use Management of Elephants in Northwest Namibia.*

**Marker, Laurie, Ph.D.**, Cheetah Conservation Fund. *Conservation Strategies for the Long-term Survival of Cheetah in Namibia.*

## NEW ZEALAND

**Würsig, Bernd, Ph.D.**, Texas A&M University. *Dusky Dolphins Movements, Social Grouping, and Human-Related Behaviors, New Zealand.*

## PERU

**Bodmer, Richard, Ph.D.**, Durrell Institute of Conservation and Ecology; Wildlife Conservation Society. *Wildlife Conservation in the Amazon of Loreto-Peru.*

**Brightsmith, Donald, Ph.D.**, Rainforest Expeditions; Duke University. *Macaw Conservation in the Tambopata-Candamo Reserve Zone: Evaluation of Tourism Impacts and Population Management Techniques, Peru.*

**Glowacki, Mary, Ph.D.**, Pre-Columbian Archaeological Research Group, Inc.; Florida Bureau of Archaeological Research • **Nicolasa Arredondo Dueñas**, Universidad de San Antonio Abad del Cusco. *The Huaro Valley Archaeological Investigation, Peru.*

## PORTUGAL

**Thomas, Rob, Ph.D.**, Cardiff School of Biosciences • **Marcial Felgueiras**, A Rocha Bird Observatory and Field Study Centre • **Will Simonson**, A Rocha Bird Observatory and Field Study Centre. *Storm Petrels, Ocean Ecosystems, and Climate Change, Portugal.*

## PUERTO RICO

**Silverstone, Sally**, Tropic Ventures Education and Research Foundation; Global Ecotechnics Corporation • **Mark Nelson, Ph.D.**, Global Ecotechnics Corporation • **Rafael Joglar, Ph.D.**, University of Puerto Rico • **Patricia Burrowes, Ph.D.**, University of Puerto Rico. *Rainforest Enrichment Project, Puerto Rico.*

## ROMANIA

**Zahariade, Mihail, Ph.D.**, Institute of Archaeology • **Myrna Phelps**, Independent Researcher. *Roman Fort on the Danube, Romania.*

## RUSSIA

**Minyonok, Yelena, Ph.D.**, Russian Academy of Sciences • **Andrei Kabanov, Ph.D.**, Educational Center of Traditional Russian Culture. *Singing Russia: Traditions and the Revival Movement.*

## SEYCHELLES

**Barnes, Richard, Ph.D.**, Cambridge University • **D.K. Barnes**, Cambridge University • **Justin Gerlach, Ph.D.**, Cambridge University; Nature Protection Trust of the Seychelles • **David Smith, Ph.D.**, University of Essex. *Status and Conservation Ecology of Coastal Habitats in the Silhouette Marine National Park, Seychelles.*

## SOUTH AFRICA

**Barham, Peter, Ph.D.**, University of Bristol • **Leslie Underhill, Ph.D.**, University of Cape Town • **Robert Crawford, Ph.D.**, Marine and Coastal Management • **Mario Leshoro**, Robben Island Museum • **Duncan Bolton**, Bristol Zoo Gardens. *The Robben Island Penguin Project, South Africa.*

**Clutton-Brock, Timothy, Ph.D.**, University of Cambridge • **Marta Manser, Ph.D.**, University of Zurich. *Cooperation and Competition in Kalahari Mammals, South Africa.*

**Hamer, Michelle, Ph.D.**, University of KwaZulu-Natal • **Dai Herbert, Ph.D.**, Natal Museum • **Robert Slotow, Ph.D.**, University of KwaZulu-Natal. *Improved Biodiversity Conservation in South Africa Through the Inclusion of Invertebrates.*

**Scott, Dawn, Ph.D.**, University of Brighton • **Richard Yarnell, Ph.D.**, University of Brighton • **Lynne Levitt**, Mankwe Wildlife Reserve. *South Africa's Brown Hyenas.*

## SPAIN

**Cañadas, Ana**, Universidad Autónoma de Madrid • **Ricardo Sagarminaga van Buiten**, ALNITAK Marine Environment Research and Education Center. *Spanish Dolphins: The Common Dolphin as a Tool for Designating Marine Protected Areas in the Spanish Mediterranean.*

**Gibert Clois, Joseph, Ph.D.**, Crusafont Paleontological Institute and Universidad Autònoma de Barcelona • **Lluís Gibert Beotas**, Universitat Politècnica de Catalunya. *Human Paleontology in the Plio-pleistocene Deposits of the Orce Region, Spain.*

## SRI LANKA

**Corea, Ravi**, Sri Lanka Wildlife Conservation Society; Columbia University • **Prithiviraj Fernando, Ph.D.**, Columbia University, • **Harsha Gammanpila**, Sri Lanka Wildlife Conservation Society • **Mark Weckel**, Mianus River Gorge Preserve; Sri Lanka Wildlife Conservation Society • **Chandeep Corea**, Sri Lanka Wildlife Conservation Society. *Surveying Elephants and Helping to Solve Human-Elephant Conflicts in the Central and North Central Provinces of Sri Lanka in the Vicinity of the Wasgamuwa National Park.*

**Dittus, Wolfgang, Ph.D.**, Smithsonian Institution National Zoological Park; Smithsonian Primate Project in Sri Lanka; Institute for Fundamental Studies, Sri Lanka. *Behavior, Ecology, and Epidemiology in Toque Macaques (Macaca sinica) of Sri Lanka.*

**Jayatissa, L.P., Ph.D.**, Ruhuna University • **Mark Huxham, Ph.D.**, Napier University. *Mangroves of Sri Lanka.*

## TANZANIA

**Masao, Fidelis, Ph.D.**, University of Dar es Salaam • **Chediell Msuya**, Ministry for Natural Resources, Department of Antiquities • **Jackson Njau, Ph.D.**, National Museums of Tanzania. *Salvage and Conservation of the DK Site, Olduvai Gorge, Tanzania.*

## THAILAND

**Heiss, Georg, Ph.D.**, The Reef Check Foundation • **Kim Obermeyer**, The Reef Check Foundation. *Conservation and Monitoring of Coral Reefs in Thailand.*

**Higham, Charles, Ph.D.**, University of Otago • **Nigel Chang, Ph.D.**, James Cook University • **Rachanie Thosarat, Ph.D.**, Thai Fine Arts Department. *The Origins of Angkor, Thailand.*

## TRINIDAD

**Sammy, Dennis**, Nature Seekers • **Scott Eckert, Ph.D.**, Wider Caribbean Sea Turtle Conservation Network (WIDECAST). *Leatherback Sea Turtle Conservation and Community-based Tourism, Trinidad, West Indies.*

## UNITED KINGDOM

**Bidwell, Paul**, Tyne and Wear Museums • **Nick Hodgson, Ph.D.**, Tyne and Wear Museums • **Graeme Stobbs**, Tyne and Wear Museums. *Roman Fort on Tyne, U.K.*

**Edwards, Mike**, Aculeate Conservation Group. *Bumblebee Usage of Flower Margins on Farmland, U.K.*

**Martlew, Roger, Ph.D.**, University of Leeds. *In Search of the British Kingdom of Craven, U.K.*

**Megill, William, Ph.D.**, University of Bath; Coastal Ecosystems Research Foundation • **Jennifer Lindsay Wladichuk**, University of Bath; Coastal Ecosystems Research Foundation. *Grey Whale Research and Techniques, U.K.*

**Newman, Chris, Ph.D.**, Oxford University • **Christina Buesching, Ph.D.**, Oxford University. *Population Ecology of British Mammals in Wytham Woods, U.K.*

**Robinson, Kevin, Ph.D.**, Cetacean Research and Rescue Unit (CRRU); University of Wales, Bangor. *Dolphins and Whales of the Moray Firth, U.K.*

**Speedie, Colin**, MER Consultants Ltd. *Examining the Spatial and Temporal Distribution of the Basking Shark (Cetorhinus maximus) in British Waters, U.K.*

**Stevick, Peter**, Hebridean Whale and Dolphin Trust • **Jonathan Gordon, Ph.D.**, Hebridean Whale and Dolphin Trust. *Monitoring the Distribution and Abundance of Cetaceans in the Hebrides, Scotland.*

## UNITED STATES

**Agenbroad, Larry, Ph.D.**, Mammoth Site of Hot Springs, SD. *Excavations at the Hot Springs Mammoth Site, South Dakota, U.S.*

**Avery, Harold, Ph.D.**, Drexel University • **Walter Bien, Ph.D.**, Drexel University • **James Spotila, Ph.D.**, Drexel University • **Edward Standora, Ph.D.**, State University College at Buffalo. *Population Ecology of the Diamondback Terrapin (*Malaclemys terrapin*) at Barnegat Bay Estuary, U.S.*

**Bowne, David, Ph.D.**, Franklin and Marshall College • **Debra Wohl, Ph.D.**, Elizabethtown College. Student Challenge Awards Program (SCAP): *Mapping Antibiotic Resistant Bacteria Across a Landscape, U.S.*

**Cannon, Kenneth**, National Park Service, Midwest Archaeology Center. *Archaeology in Idaho and Wyoming.*

**Cannon, Kenneth**, National Park Service, Midwest Archaeology Center • **Molly Boeka Cannon**, National Park Service, Midwest Archaeology Center. Student Challenge Awards Program (SCAP): *Killing Bison at Challis: How and When? U.S.*

**Dyer, Lee, Ph.D.**, Tulane University. Student Challenge Awards Program (SCAP): *Diversity and Natural Enemies of Desert Caterpillars, U.S.*

**Dyer, Lee, Ph.D.**, Tulane University. *Caterpillars in Diverse Ecosystems, U.S., Costa Rica, and Ecuador.*

**Graham, Tim, Ph.D.**, United States Geological Survey. *Amphibians and Terrestrial (Riparian) Invertebrates in Salt Creek Canyonlands National Park, U.S.*

**Horton, Benjamin, Ph.D.**, University of Pennsylvania. Student Challenge Awards Program (SCAP): *Is Sea Level Rising? U.S.*

**Jenkins, Seán, Ph.D.**, Western Illinois University • **Richard Anderson, Ph.D.**, Western Illinois University • **Michael Romano, Ph.D.**, Western Illinois University • **Susan Meiers, Ph.D.**, Western Illinois University • **Ken McCravy, Ph.D.**, Western Illinois University • **Timothy Spier, Ph.D.**, Western Illinois University. Student Challenge Awards Program (SCAP): *Long-term Riparian and Aquatic Ecosystem Monitoring Projects on the Upper Mississippi River, U.S.*

**Kephart, Susan, Ph.D.**, Willamette University • **Shannon Datwyler**, Sacramento State University. *Pollinators and Breeding Patterns in Rare and Common Wildflowers, Oregon & California, U.S.*

**Laumbach, Karl**, Human Systems Research, Inc. • **Dennis O'Toole, Ph.D.**, Cañada Alamosa Institute. *Prehistoric Peoples of the Rio Alamosa, U.S.*

**Maldini, Daniela, Ph.D.**, Earthwatch Institute; University of Massachusetts, Amherst • **Thomas Jefferson, Ph.D.**, National Marine Fisheries Service. *Marine Mammals of Monterey Bay, U.S.*

**McKnight, Alyson**, US Fish & Wildlife Service • **David Irons, Ph.D.**, US Fish & Wildlife Service. *Seabird Monitoring in Prince William Sound, U.S.*

**Newmark, William D., Ph.D.**, Utah Museum of Natural History • **Eric Rickart, Ph.D.**, Utah Museum of Natural History. *Large Mammal Movement in Western North America, U.S.*

**Peterson, Rolf, Ph.D.**, Michigan Technological University • **John Vucetich, Ph.D.**, Michigan Technological University. *Moose and Wolf Ecology on Isle Royale, U.S.*

**Reeves, Matthew, Ph.D.**, The Montpelier Foundation. *Archaeological Investigations of the Madison Landscape at the Montpelier Mansion, U.S.*

**Riley, Ralph, Ph.D.**, Earthwatch Institute. Student Challenge Awards Program (SCAP): *Salmon of the Pacific Northwest, U.S.*

**Russell, Andrew, Ph.D.**, University of Newcastle Upon Tyne • **Jay Fleisher, Ph.D.**, State University of New York, Oneonta. *Glacier Outburst Floods, Glacier Surges, and Sediment Transfer: Implications for Proglacial Environments, Iceland and Alaska.*

**Russell, Rusty**, National Museum of Natural History • **W. John Kress, Ph.D.**, National Museum of Natural History • **Alain Touwaide, Ph.D.**, Smithsonian Institution. *Ethnobotanical Resources in the United States National Herbarium.*

**Six, Janet**, University of Hawai'i • **Jill Gaieski**, University of Pennsylvania. *Plantation Archaeology in Hawai'i.*

**Timmes, Francis, Ph.D.**, Los Alamos National Laboratory • **Donald Casperson, Ph.D.**, Los Alamos National Laboratory • **Todd Haines, Ph.D.**, Los Alamos National Laboratory • **John O'Donnell, Ph.D.**, Los Alamos National Laboratory. Student Challenge Awards Program (SCAP): *Transient Phenomena in Astrophysics, U.S.*

**Touwaide, Alain, Ph.D.**, Smithsonian Institution. *Medicinal Plants of the Ancient Mediterranean, U.S.*

**Van Sommeran, Sean**, Pelagic Shark Research Foundation. *Elkhorn Slough Elasmobranch Project, U.S.*

**Wells, Randall, Ph.D.**, Chicago Zoological Society; Mote Marine Laboratory • **Jason Allen**, Chicago Zoological Society. *Wild Dolphin Societies, Florida, U.S.*

#### **U.S. VIRGIN ISLANDS**

**Fuller, Claire, Ph.D.**, Murray State University • **Marielle Postava-Davignon**, Northeastern University. Student Challenge Awards Program (SCAP): *Ecology of Caribbean Termites: The Impact of the Physical Environment on Immunity and the Microbial Community, U.S. Virgin Islands.*

**Garner, Jeanne Alexander**, West Indies Marine Animal Research and Conservation Service (WIMARCS) • **Peter Dutton, Ph.D.**, NMFS, Southwest Fisheries Science • **Steve Garner**, West Indies Marine Animal Research and Conservation Service (WIMARCS). *Saving the Leatherback Sea Turtle, St. Croix, U.S. Virgin Islands.*

**Sikkel, Paul, Ph.D.**, Murray State University. Student Challenge Awards Program (SCAP): *Behavior and Ecology of Caribbean Coral Reef Fishes, U.S. Virgin Islands.*

#### **VIETNAM**

**Vu, Lien Van**, Vietnam Russia Tropical Center. *Monitoring Butterflies of Vietnam.*

## INTERNATIONAL ADVISORY COUNCIL

### United States

**Sheldon Berman**, Superintendent of Schools, Hudson, MA  
**John D. Constable**, Massachusetts General Hospital (retired)  
**Jill Conway**, Massachusetts Institute of Technology  
**Wade Davis**, National Geographic Society  
**Irven Devore**, Harvard University  
**Farouk El-Baz**, Boston University  
**James Else**, Emory University  
**Gregory Guroff**, The Guroff Group, Inc.  
**Daniel H. Janzen**, University of Pennsylvania  
**Christine Jost**, Tufts University  
**Spencer Jourdain**, 1420 Foundation  
**Lynn Margulis**, University of Massachusetts, Amherst  
**Ellen Messer**, George Washington University  
**Russell Mittermeier**, Conservation International  
**William R. Moomaw**, Tufts University  
**N.J. Nicholas, Jr.**, NJN Management, Inc.  
**Peter H. Raven**, Missouri Botanical Garden  
**Daniel I. Rubenstein**, Princeton University  
**David D. Ryus**, South Hamilton, Mass.  
**Michael Soulé**, University of California, Santa Cruz  
**E.O. Wilson**, Harvard University

### Latin America

**Manfred Max-Neef**, Universidad de Austral  
**Ira Rubinoff**, Smithsonian Tropical Research Institute

### Australia

**Peter Cullen**, Cooperative Research Centre for Freshwater Ecology  
**Jatna Supriatna**, Conservation International– Indonesia

### Asia

**Zhang Hanzhi**, Development Research Center of the State Council, PRC  
**Jiro Kondo**, Research Institute for Technology and the Environment  
**Chou Loke Ming**, University of Singapore  
**Professor M.S. Swaminathan**, MS Swaminathan Research Foundation

### Europe

**Jeffrey McNeely**, IUCN Switzerland  
**Professor Sir Richard Southwood FRS**, Oxford University  
**Sir Crispin Tickell, GCMG, KCVO**, Chancellor of the University of Kent

### Russia

**Georgi S. Golitsyn**, Russian Academy of Sciences  
**Alexey V. Yablokov**, State Counsellor for Ecology & Public Health

### Africa

**Phillip V. Tobias**, University of Witwatersrand

## EUROPE SCIENCE ADVISORY COMMITTEE

**Mike King**, The Environment Council  
**Roger Mitchell**, Earthwatch Europe  
**Hazel Rymer**, The Open University  
**Ian Swingland**, The University of Kent, Chair  
**Hugh Synge**, Plant Talk

## AUSTRALIA SCIENCE ADVISORY COMMITTEE

**Mark Burgman**, The University of Melbourne  
**David Choquenot**, Manaaki Whenua - Landcare Research  
**Chris Dickman**, The University of Sydney  
**Tom Griffiths**, Australian National University  
**Josephine Lang**, Royal Melbourne Institute of Technology  
**Helene Marsh**, James Cook University  
**David Paton**, The University of Adelaide  
**John Radcliffe, AM**, National Water Commission  
**Denis Saunders, AM**, CSIRO, Chair

### EARTHWATCH (INTERNATIONAL)

3 Clock Tower Place, Suite 100  
P.O. Box 75, Maynard, MA 01754, USA  
tel: (978) 461-0081 • (800) 776-0188  
fax: (978) 461-2332  
research@earthwatch.org  
www.earthwatch.org/research

### EARTHWATCH (EUROPE)

267 Banbury Road  
Oxford OX2 7HT, U.K.  
tel: + 44 (0) 1865-318838  
fax: +44 (0) 1865-311383  
re@earthwatch.org.uk  
www.earthwatch.org/europe

### EARTHWATCH (AUSTRALIA)

126 Bank Street, South Melbourne  
Victoria 3205, Australia  
tel: +61 (0)3-9682-6828  
fax: +61 (0)3-9686-3652  
scienceprogram@earthwatch.org.au  
www.earthwatch.org/australia

### EARTHWATCH (JAPAN)

Sanbancho TY Plaza 5F  
Sanbancho 24-25, Chiyoda-ku,  
Tokyo 102-0075 Japan  
tel: +81 (0)3-3511-3360  
fax: +81 (0)3-3511-3364  
info@earthwatch.jp  
www.earthwatch.jp