Student Conference on Conservation Science - New York

Draft Agenda

October 14-17, 2014
TUESDAY, OCTOBER 14

4:00 pm - 8:00 pm

QUESTIONS FOR A RESILIENT FUTURE
Hosted by the Center for Humans and Nature and the American Museum of Natural History
Kaufmann Theater, 1st Floor

Welcome by Ana Porzecanski, Director of the Center for Biological Conservation, American Museum of Natural History

Welcome and introductions by Millie Solomon, President, Hastings Center

HOW FAR SHOULD WE GO TO BRING BACK LOST SPECIES?
Ben Minteer, Arizona Zoological Society Chair, Arizona State University
Harry W. Greene, Professor & Stephen H. Weiss Presidential Fellow, Cornell University

ROUNDTABLE DISCUSSION, moderated by:
Brooke Hecht, President, Center for Humans and Nature
Joined by Eleanor J. Sterling, Director, Center for Biodiversity and Conservation, American Museum of Natural History

Welcome and introductions by Ceara Donnelley, Vice Chair of the board, Center for Humans and Nature

MIND AND MORALITY: WHERE DO THEY MEET?
Michael McCullough, Professor of Psychology, University of Miami
Arthur Zajonc, President, Mind & Life Institute

ROUNDTABLE DISCUSSION, moderated by:
Krista Tippett, creator & host of radio show/podcast, On Being

WEDNESDAY, OCTOBER 15

8:00 am
Breakfast and Registration (Grand Gallery, 77th Street Lobby)

Welcome and Introduction
(Kaufmann / Linder Theaters)

9:00 am
Michael Novacek, Senior Vice President and Provost of Science; Curator, Division of Paleontology
Provost & Professor, Richard Gilder Graduate School, American Museum of Natural History

9:15 am
Plenary Address: John Cigliano
Associate Professor and Director of Biodiversity and Conservation Biology, Cedar Crest College
How can you best contribute to conservation? Insights from marine conservation, citizen science, and the liberal arts

10:00 am
Session Chair: Ana Porzecanski
Director, Center for Biodiversity and Conservation, American Museum of Natural History
Seline Meijer
University College Dublin
Farmers and forests in Malawi: The links between attitudes, intentions and behaviour

Tenzing Ingty
University of Massachusetts, Boston
Response of agro-pastoral communities to climate change in the Eastern Himalayas

Demetrio Bocuma Mene
Drexel University
Assessing attitudes towards bushmeat on Bioko Island, Equatorial Guinea

Fatemeh Bakhtiarii
Copenhagen University
How should biodiversity be presented in valuation studies?

11:10 am
Break
(Hall of Northwest Coast Indians, 1st Floor)

11:45 am
Session Chair: Mark Weckel
Postdoctoral Conservation Research and Teaching Fellow, Center for Biodiversity and Conservation and Department of Education, American Museum of Natural History
Yiwei Wang
Save the Elephants
Anthropogenic development influences on puma behavior, movement, and energetics

Wulan Pusparini
University of Massachusetts Amherst
Sumatran rhinoceros occurrence and index of abundance in Sumatra, 2007-2010

Sarah Weiskopf
University of Delaware
What are snow leopards eating? Using genetics to reduce bias in food habit studies

12:45 pm
Lunch: Mentor-Hosted Tables (School Lunchrooms, Lower Level)

2:00 pm
Group Photo (Central Park West entrance steps. Rain location: Kaufmann Theater)
2:20 pm Speed Talk Session (Kaufmann/Linder Theaters)

Session Chair: Eric Sanderson, Senior Conservation Ecologist, Wildlife Conservation Society

- Benjamin Freeman, Cornell University: New Guinean montane avifaunas shift upslope in response to warming temperatures
- Taylor Callcrate, University of Maryland: Serial bottlenecks and genetic variation in the Laysan Finch
- Sandra Hoffberg, University of Georgia: Within population genetic diversity of kudzu (Pueraria montana) over space and time
- Erin Eastwood, Columbia University: Community assembly of coral reef fish along the Melanesian biodiversity gradient
- Eric Ramos, City University of New York: Foraging-related calls produced by bottlenose dolphins at Turneffe Atoll, Belize
- Debra Kriensky, Columbia University: Shorebirds and horseshoe crabs: five years of citizen science research in Jamaica Bay
- Paulina Stowhas, University of Wisconsin: Native, invasive or domestic mammals in Chile: What are protected areas preserving?
- Rocio Lopez De La Lama, Cayetano Heredia University: Are chefs up to the task? Bringing sustainable seafood to the table
- Amanda Sigouin, Columbia University: The global impact of the turtle trade in Guangzhou, China
- Andrea Patricia Thomen, State University of New York College of Environmental Science and Forestry: Socio-ecological drivers of bird-friendly management in Dominican cacao farms

3:15 pm Speed-Talk Discussion and Break (Hall of Northwest Coast Indians, 1st floor)

3:30 pm Talk Session (Kaufmann/Linder Theaters)

Session Chair: Eleanor J. Sterling, Chief Conservation Scientist, Center for Biodiversity and Conservation, American Museum of Natural History

- Gillian Gregory, McGill University: Impacts of rural-urban linkages on aquatic resource dependency in rural Amazonia
- Tara Cornellisse, Center for Biodiversity and Conservation, American Museum of Natural History: Using habitat quality to manage extirpated sites for metapopulation persistence
- Jeremy Feinberg, Rutgers University: Hiding in Metropolis: A cryptic frog species from New York City and adjacent regions
- Bianca Lopez, University of North Carolina-Chapel Hill: Drivers of plant composition in an urban landscape: which variables matter most?

5:00 - 7:00 pm Poster Session and Reception (Astor Turret and Hall of Primitive Mammals, 4th floor)

5:00 pm Lunch: Mentor-Hosted Tables (School Lunchrooms, Lower Level)
2:15 pm  Session Chair: Felicity Arengo
Associate Director, Center for Biodiversity and Conservation, American Museum of Natural History

Emilia Braga
The University of Brasilia  
*Pinus oocarpa* as an invasive species in the Brazilian Savanna: first report

Liz Schotman
University of Maryland  
Goats as invasive species management tools: impacts of grazing on vegetative coverage

Lindy Charlery
University of California-Los Angeles  
Moving forward in Forest and Nature Conservation - Padampur resettlement program

Samantha Cheng
University of Maryland  
Impacts of conservation interventions on human well-being: a coastal perspective

Rebecca Rutt
University of Copenhagen  
The scientific framing of forestry decentralization in Nepal

Pedro Afonso Marquezini Leite
Universidade de Sao Paulo  
Does landscape composition influence the control of a coffee pest by social wasps?

Zanariah Jasmani
University of Copenhagen  
Assessing the landscape and ecological quality of small urban parks

Alexa Wilson
National University of Rwanda  
Provisioning services, livelihoods, and forests: a case study from Eastern Himalaya

Aristia Hady Wanjaya
University of Massachusetts Boston  
Framing local perspectives towards zonation in Mount Merapi National Park

3:05 pm  Speed-Talk Discussion and Break (Hall of Northwest Coast Indians, 1st floor)

4:00 pm - 5:00 pm  Mack Lipkin Man and Nature Series
THIS YEAR IN CONSERVATION
Hosted by the American Museum of Natural History
Kaufmann Theater, 1st Floor

Welcome and introductions by Michael Novacek, Senior Vice President and Provost of Science; Curator, Division of Paleontology; Provost & Professor, Richard Gilder Graduate School, American Museum of Natural History and Ana Porzecanski, Director, Center for Biodiversity and Conservation, American Museum of Natural History

Ayana Johnson, Executive Director, Waitt Institute
John Cigliano, Associate Professor and Director of Biodiversity and Conservation Biology, Cedar Crest College
Lekelia (Kiki) Jenkins, Assistant Professor, School of Marine and Environmental Affairs, University of Washington

Panel Discussion, Moderated by:
Eleanor J. Sterling, Chief Conservation Scientist, Center for Biodiversity and Conservation, American Museum of Natural History

5:15 pm  AWARDS CEREMONY
Astor Turret and Hall of Primitive Mammals, 4th floor

Closing remarks and awards presentation for best talks, best speed talks, and best posters by Ana Porzecanski, Director, Center for Biodiversity and Conservation, American Museum of Natural History and Felicity Arengo, Associate Director, Center for Biodiversity and Conservation, American Museum of Natural History

5:30 - 7:00 pm  RESOURCE & CAREER FAIR AND CLOSING RECEPTION

Network and gather information about future careers and resources in conservation science!

- Audubon Society-New York
- Cambridge University Press
- Columbia University-Earth Institute Center for Environmental Sustainability (EICES)
- Conservation Leadership Programme
- EcoHealth Alliance
- International Union for Conservation of Nature (IUCN)
- Island Press
- Network of Conservation Educators and Practitioners (NCEP)
- Oryx-Fauna & Flora International
- Princeton University
- Rainforest Alliance
- Richard Gilder Graduate School
- Smithsonian-Mason School of Conservation
- Society for Conservation Biology
- Wildlife Conservation Society-Glover’s Reef Research Station
- World Wildlife Fund-Russell E. Train Education for Nature Program
- Yale University Press
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<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker(s)</th>
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<tr>
<td>9:00 am</td>
<td>Making Decision Makers Do the Right Thing</td>
<td>Led by: David Johns, School of Government, Portland State University</td>
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<td>(Calder Lab, 2nd Floor, 180 min.)</td>
<td>co-founder of Wildlands Network and Yellowstone to Yukon Conservation Initiative</td>
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<td>10:30 am</td>
<td>A Biocultural Approach to Conservation</td>
<td>Led by: Georiniga Cullman, Postdoctoral Fellow, Center for Biodiversity and Conservation, American Museum of Natural History</td>
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<td>12:00</td>
<td>Lunch Break and Collections Tours</td>
<td>(If you are registered for a Collections Tour, please meet at the registration desk outside the Kaufmann Theater on the 1st Floor at 12:10pm SHARP)</td>
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<td>2:00 pm</td>
<td>Making Your Work Matter: Engaging Stakeholders for Conservation Outcomes</td>
<td>Led by: Tara Cornelisse, Science Editorial Postdoctoral Fellow, Network of Conservation Educators and Practitioners, Center for Biodiversity and Conservation, American Museum of Natural History; Yiwei Wang, Postdoctoral Fellow, Save the Elephants</td>
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<td>Expanding Your Teaching Toolbox: An Introduction to Active and Scientific Teaching Approaches</td>
<td>Led by: Ana Luz Porzecanski, Director, Center for Biodiversity and Conservation, American Museum of Natural History</td>
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<td>What am I Going to Do with the Rest of my Life!! Exploring Careers in Conservation</td>
<td>Led by: Mary Blair, Assistant Director for Research and Conservation Planning, Center for Biodiversity and Conservation, American Museum of Natural History; Alexandra Sutton, Duke University; Rae Wynn-Grant, Columbia University; Cynthia Malone, Columbia University; Elora Lopez, Columbia University</td>
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SCCS-NY Plenary Addresses

John Cigliano
Associate Professor and Director of Biodiversity and Conservation Biology, Cedar Crest College


Marine biodiversity is in decline because of overfishing, climate change, and ocean acidification. Marine ecosystems are experiencing trophic downgrading, we are eating through the food chain, and the slime is rising. We know this. The question, of course, is what can we do to conserve marine biodiversity? The answer I will explore in this talk is not about marine protected areas or stronger fishing regulations. Yes, these are perfectly good and effective tools for marine conservation but for graduate students who are looking forward to a life-long career the answer needs to be more personal. How can YOU best contribute to marine conservation, or conservation in general? There are many paths that you can take, some well-travelled, such as research positions at universities, and some less so. The trick is to find the path that suits you best. The purpose of this talk is to present a less-travelled path for consideration: liberal arts colleges and citizen science. I hope to show that these are not only an effective way to contribute to the conservation of biodiversity but also one that can be personally rewarding.

Lekelia (Kiki) Jenkins
Assistant Professor, School of Marine and Environmental Affairs, University of Washington

Keys for Inventing Technologies that Protect the Environment: Lessons from Marine Conservation

To solve problems such as bycatch (i.e. the unintended capture of non-target species while fishing), policymakers are increasingly employing marine conservation technology (i.e. a device used to protect organisms and/or habitat). Unfortunately, the invention process is lengthy and often results in commercially impractical technologies. It is also difficult to promote wide-spread, long-term, and proper use of these technologies. To identify features essential for successful invention and adoption, I examined two of the most prominent and controversial case studies in United States maritime history: (1) the use turtle excluder devices in the U.S. shrimp trawl fishery to prevent the death of sea turtles, and (2) the use of dolphin conservation technologies in the U.S. Pacific tuna purse seine fishery to prevent the death of dolphins. The data shows that fishers are highly successful in using these devices in the Pacific tuna purse seine fishery, but not in the shrimp fishery. Fishers are not only an effective way to contribute to the conservation of biodiversity but also one that can be personally rewarding.
The Center for Biodiversity and Conservation at the American Museum of Natural History connects diverse perspectives and sources of knowledge to real-world conservation problems and solutions. Our broad range of programs around the world fosters the ongoing discovery, awareness, and conservation of life on this planet, and integrates the Museum’s science, collections, and technology into conservation action. The CBC is a leader in convening and connecting key actors for strategic collaborations that bridge disciplines and address critical conservation questions. By working closely with communities and local partners to establish common goals and research priorities, we design, implement, evaluate, and adaptively manage model conservation programs, and share our results with people facing similar challenges, to span the full life-cycle of conservation. Through multiple initiatives, the CBC strengthens the ability of community leaders, educators, managers and other conservation professionals to meet conservation challenges.