



# ECoGSS 2018

Department of Environmental Conservation Graduate Student Symposium

Friday, January 26, 2018

- 8:30-9:00 **REGISTRATION**
- 9:00-9:05 **Welcome:** Mariela Garcia Arredondo, Chair, ECoGSS
- 9:05-10:00 **Keynote Address:** Dr. Chris Neill, Woods Hole Research Center  
*Agriculture, Climate and the Future of the Amazon*
- 10:00-10:45 **Panel Discussion:** Storytelling in environmental science  
Michael Roberts, Evan Kuras, Nischal Neupane, Meghan Guckian, and  
Lauren de la Parra
- 10:45-11:00 **BREAK**
- Lightning Talks**  
Moderators: Bia Dias & Mercedes Harris
- 11:00-11:05 **Donovan Drummey**, MS student, Wildlife, Fish, & Conservation Biology  
*Estimating American marten density in New Hampshire*
- 11:05-11:10 **Javzansuren Norvanchig**, MS student, Water, Wetlands, & Watersheds  
*Modeling sustainability of water resources in Tuul River watershed in Mongolia*
- 11:10-11:15 **Ashleigh Novak**, MS student, Marine Science & Technology  
*Broad- and fine-scale movement ecology of yellowtail snapper *Ocyurus chrysurus* within a marine protected area in the U.S. Virgin Islands*
- 11:15-11:20 **Aaron Grade**, PhD student, Organismic & Evolutionary Biology  
*Non-lethal effects of predation: An experimental test of house wren nesting across an urban-to-rural gradient*
- 11:20-11:25 **Tierney Boci**, MS student, Forest Resources & Arboriculture  
*A breakeven point: The costs and benefits of planting street trees*
- 11:25-11:30 **Kadambari Devarajan**, PhD student, Wildlife, Fish, & Conservation Biology  
*Study design and statistical inference in multi-species models: The story so far*
- 11:30-11:35 **Carolyn Anderson**, PhD student, Water, Wetlands, & Watersheds  
*Controls on soil carbon cycling in a dynamic floodplain system*
- 11:35-12:00 **Lightning Talk Q&A**
- 12:00-1:30 **LUNCH BREAK**
- Traditional Talks**  
Moderators: Carolyn Anderson & Evan Kuras
- 1:30-1:45 **Michael Roberts**, MS student, Water, Wetlands, & Watersheds  
*The Women's Action: Narrative constructions of hegemonic power and resistance*
- 1:45-2:00 **Jill Fleming**, MS student, Wildlife, Fish, & Conservation Biology  
*Spatial design considerations for a method to monitor the prospective indicator species, the red-backed salamander*
- 2:00-2:15 **Bia Dias**, PhD student, Wildlife, Fish, & Conservation Biology  
*A marine ecosystem perspective of the anadromous forage fish role*
- 2:15-2:30 **George LoCascio**, MS student, Wildlife, Fish, & Conservation Biology  
*Plant sperm kills parasite in bumble bee guts*
- 2:30-2:45 **Introductions of Legislators, Federal Agency, & State Agency Guests**
- 2:45-3:15 **BREAK**



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3:15-4:00

**Panel Discussion:** Urban ecology

Tierney Bocsi, Aaron Grade, Hollie Sutherland, and Melanie Klein

**Traditional Talks**

Moderators: Grace Casselberry & Ashleigh Novak

4:00-4:15

**Evan Kuras**, MS student, Environmental Policy & Human Dimensions

*Connecting to nature in and out of school*

4:15-4:30

**Kate McClellan Press**, PhD student, Marine Science & Technology

*Response of juvenile lemon sharks, Negaprion brevirostris, to electric fields produced by an experimental submarine power cable across a tidal creek, Eleuthera, The Bahamas*

4:30-4:45

**Erin Coates-Connor**, MS student, Forest Resources & Arboriculture

*Assessing effectiveness and response of native plant communities to different garlic mustard (Alliaria petiolata) eradication methods*

4:45-5:00

**Carolyn Gorss**, MS student, Water, Wetlands, & Watersheds

*Performance of floristic quality assessments in Massachusetts wetlands*

5:00-7:00

**SOCIAL NETWORKING EVENT AT UPUB**

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Saturday, January 27, 2018

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**Traditional Talks**

Moderators: Bia Dias & Laura Hancock

9:30-9:45

**Benjamin Padilla**, PhD student, Wildlife, Fish, & Conservation Biology

*Is there a general decision framework for quantifying urbanization gradients?*

9:45-10:00

**Grace Casselberry**, MS student, Marine Science & Technology

*Exploring temporal changes in the spatial use of a Caribbean marine protected area by four shark species*

10:00-10:15

**Rossana Salazar**, PhD student, Wildlife, Fish, & Conservation Biology

*Indigenous women healers. Traditional health practice at risk*

10:15-10:30

**Nischal Neupane**, MS student, Environmental Policy & Human Dimensions

*Short Messaging Services as effective energy usage feedback mechanism*

10:30-11:00

**BREAK**

**Traditional Talks**

Moderators: Erin Coates-Connor & Ashleigh Novak

11:00-11:15

**Lian Guo**, PhD student, Organismic & Evolutionary Biology

*Measuring otolith growth to infer river herring physiology*

11:15-11:30

**Meghna Marjadi**, PhD student, Organismic & Evolutionary Biology

*Pokemon Go Outside: Does outdoor gaming influence environmental perceptions?*

11:30-11:45

**Mariela Garcia Arrendondo**, MS student, Water, Wetlands, & Watersheds

*Rhizogenic weathering impacts on deep soil carbon*

11:45-12:00

**Joseph Drake**, PhD student, Wildlife, Fish, & Conservation Biology

*Graph-theoretic approaches to connectivity and dynamic spatial processes*

12:00

**POTLUCK & AWARDS**