

# DEPARTMENT OF ENVIRONMENTAL SCIENCE AND POLICY

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## Administration

- Amy Fowler, Interim Chair
- Esther Peters, Graduate Program Director
- Younsung Kim, Undergraduate Program Director

The research and development of multiple disciplines have contributed to remarkable gains in human and animal health, conservation and sustainability. However, dense human populations, habitat loss and fragmentation, over-exploitation of wild aquatic and terrestrial animals and plants, human-wildlife conflict, invasive species, biodiversity loss, emerging infectious diseases, environmental contaminants, and climate change have produced interacting challenges that call for broader-based and more integrated teaching, research and intervention. The Department of Environmental Science and Policy (ESP) at George Mason University believes that addressing these challenges requires diverse knowledge and expertise in natural science, social science, and public policy. Our faculty and programs reflect the need for a transdisciplinary approach to environmental science, conservation, and sustainability.

In addition to faculty who are involved in cutting edge research, ESP has one of the largest graduate programs in the university conducting groundbreaking studies in the environmental field. The department also has increasing number of undergraduates conducting their own individual research projects or gaining experience by helping with established studies.

The proximity of George Mason to Washington, DC, gives ESP the unique opportunity to partner with governmental agencies, environmental and conservation groups and environmental-focused companies. Students can even be involved in practical study and training at the Smithsonian-Mason School of Conservation (<http://smconservation.gmu.edu/>) (SMSC) and the Potomac Environmental Research Education Center (<https://cos.gmu.edu/perec/>) (PEREC).

Research conducted in ESP ranges from terrestrial and marine mammal conservation to molecular and microbial ecology; from corporate environmental management and policy to the environmental perceptions and practices of indigenous peoples.

## Faculty

### Department Faculty Professors

Ahn, Jones, Kim, Peters, D. Sklarew, Smith

### Associate Professors

Fowler

### Assistant Professors

Akerlof, Chen, Glaberman, Nelson, Salerno, J. Sklarew, Valderrama

### Research Assistant Professor

Ren

### Adjuncts

Albert, Beliaia, Bjorkland, Bradley, Bubbosh, Dee, Eves, Groover, Hartl, Howe, Keltner, Kiss, Prasad, Razafinjatovo, Roper, Ryan, Sample, Valdez, Wilbert

### Emeritus Professors

Crate, Jonas, Kelso, Shaffer, Skog, Torzilli

## Graduate Program Faculty

### Graduate Faculty

Edwards, Freeman, Gilmore, Hinnov, Houser, Hunt, Lim, Luther, Peters-Burton, Uhen, Van Aken, Van Sant, Weeks, Wood

## Other Environmental Program Faculty

### Affiliate Faculty

Abidoye, Akob, Allen, Arnold, Bauer, Bleicher, Brown, Buchanan, Buchino, Campbell, Campana, Comiskey, Cook, Dowsett, Fieldman, Fernandez, Fisher, Gillevet, Guala, E. Harris, J.B. Harris, Helgen, Kolowski, Laurance, Lee, Leimgruber, Lewis, Luksenbeurg, Malcom, Maldonado, Manca, Marra, McShea, Meganigal, Monfort, Montaña, Morales Castilla, Morrison, Munigandondh, Murray, Noe, Ogburn, Seidensticker, Shields, A.K. Smith, Sohmer, Songsasen, Tam-Changh, Tewsbury, Waters, Wright, Zendeudel

## Programs

- Conservation Biology Minor
- Conservation Studies Minor (COS)
- Environmental Consulting Minor
- Environmental Policy Minor
- Environmental Science Minor
- Environmental Science and Policy, MS
- Environmental Science and Public Policy, PhD
- Environmental Science, BS
- Environmental and Sustainability Management Graduate Certificate
- Environmental and Sustainability Studies, BA (COS)
- Sustainability Studies Minor
- Sustainable Enterprise Minor

## Note:

Department of Environmental Science and Policy also works closely with and provides administrative input to the Biology, BS (<http://catalog.gmu.edu/colleges-schools/science/biology/biology-bs/>) Environmental and Conservation Biology Concentration (ESCB).