

Anna LoPresti

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RESEARCH INTERESTS

Climate change adaptation • Ecosystem services • Wildfire management • Global change ecology

EDUCATION

University of Colorado Boulder	PhD, Ecology and Evolutionary Biology	Expected 2026
University of Oxford	MSc, Environmental Change and Management	2017
Columbia University	BA, Sustainable Development	2016

PROFESSIONAL EXPERIENCE

National Forest Foundation	2023-present
<i>Conservation Connect Fellow:</i> Design and conduct an ecosystem service assessment on San Juan National Forest to evaluate impacts of prescribed fire treatments on cultural and social values	
The Nature Conservancy	2021-2022
<i>Contractor – Global Science:</i> Conducted a semi-systematic literature review of barriers to nature-based solutions, including afforestation, forest conservation, agroforestry, and climate-smart forestry	
NOAA Regional Integrated Sciences and Assessments	2019-2021
<i>Climate Assessment Specialist:</i> Designed stakeholder-driven climate assessment processes to support the National Climate Assessment, New York State Assessment (ClimAID), and NYC assessment (NPCC)	
United Nations Sustainable Development Solutions Network	2018-2019
<i>Research Analyst:</i> Developed indicators to monitor US progress on the UN Sustainable Development Goals at the city and state scales, as a co-author of the <i>Sustainable Development Report of the United States</i>	
PUR Projet & Grupo Galeras	2017
<i>Research Consultant:</i> Co-designed a community monitoring & evaluation program with local conservation groups to assess the climate adaptation benefits of agroforestry in Nariño, Colombia	

AWARDS / HONORS

Award for Superior Performance as a Teaching Assistant in Lecture, University of Colorado Boulder	2023
Devaney Graduate Fellowship, University of Colorado Boulder	2021
Ecology and Evolutionary Biology Graduate Student Research Award, University of Colorado Boulder	2021
MSc Distinction, Environmental Change and Management, University of Oxford	2017
Phi Beta Kappa, Columbia University	2016
Magna Cum Laude, Columbia University	2016
Departmental Honors in Sustainable Development, Columbia University	2016

SERVICE

DEI Steering Committee Member - Sustainable Development Department, Columbia University	2020-2021
Environmental Justice Working Group - WE ACT for Environmental Justice, Harlem NY	2019-2021
Community Science Volunteer Fellow – AGU Thriving Earth Exchange	2019-2022

SKILLS

Spatial analysis: ArcGIS, QGIS
Qualitative data analysis: NVivo, Atlas.ti, Qualtrics
Computational: R, Python
Languages: English (native), Spanish (basic)
Select coursework: Remote Sensing of the Environment; GIS Spatial Analytics; Spatial Ecology; GIS Spatial Modeling; Field Methods in Ecosystem Science; GIS Programming (Python); Causal Inference in Ecological Data

INTERNATIONAL TRAINING

Ecosystem Functional Consequences of Invasions (Hawkesbury Institute – Richmond, Australia)	2023
Functional Traits International School (Spanish National Research Council - Valencia, Spain)	2022
Tropical Ecology of African Mammals and Ecosystems (Princeton University - Laikipia, Kenya)	2015
Conservation Biology of the Atlantic Forest (Columbia University - Nazaré Paulista, Brazil)	2014

TEACHING / MENTORSHIP

Introduction to a Changing Climate - Graduate Instructor, University of Colorado Boulder	2023
Conservation Planning and Decision Making - Graduate Instructor, University of Colorado Boulder	2022
North Central Climate Adaptation Science Center - Graduate Student Mentor	2022-2023

PUBLICATIONS

Reports

- Parris, A., Bridges, A., Piedad, C., **LoPresti**, A. (2021). State of Climate Knowledge 2021. City of New York.
- LoPresti**, A., Horton, R., Bader, D. (2020). *Climate Needs Assessment for New York State*. New York State Energy Research and Development Authority (NYSERDA), Albany, New York.
- Lynch, A., **LoPresti**, A., Fox, C. (2019). The 2019 US Cities Sustainable Development Report. New York: Sustainable Development Solutions Network (SDSN). Available at: <https://s3.amazonaws.com/sustainabledevelopment.report/2019/2019USCitiesReport.pdf>
- Sachs, J.D., Lynch, A., **LoPresti**, A., Fox, C. (2018). *Sustainable Development Report of the United States*. Sustainable Development Solutions Network. Available at: <https://www.sdgindex.org/reports/sustainable-development-report-of-the-united-states-2018/>

PRESENTATIONS

- Remote sensing applications for prescribed fire: A global synthesis. International Association of Wildland Fire Conference. May 26, 2022
- Participatory Climate Adaptation Planning in NYC and Beyond. University of Colorado, Boulder - Environmental Studies Department. Nov. 2, 2021
- Assessing How Information from the National Climate Assessment is Being Used in Subnational Climate Planning Documents. United States Global Change Research Program, Sustained Assessment Working Group. Nov. 15, 2021.
- Managed retreat as a conservation strategy in US communities. American Museum of Natural History Student Conference on Conservation Science. Oct. 7, 2020.
- Sustained Assessment: Adapting Climate information for Local and Regional Scales. Consortium on Climate Risk in the Urban Northeast. Jul. 1, 2020.

GRANTS

- Joint Fire Science Program Graduate Research Innovation (JFSP GRIN): Evaluating cultural ecosystem service impacts of prescribed burning in San Juan National Forest (2023-2024). Student Investigator. \$25,000
- NASA NSPIRES Science Mission Directorate's Earth Science Division: NASA-Rx Fire: prescribed fire to support ecosystem services (2023-2025). Graduate Research Assistant. \$249,821
- National Center for Ecological Analysis and Synthesis – Morpho Initiative: Fire Impacts to Ecosystem Services in the US West (2022-2024). Co-Principal Investigator. \$118,000
- Beverly Sears Graduate Student Grant: Evaluating fire impacts to cultural ecosystem services in San Juan National Forest. Recipient (2022-2023). \$1,000