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Initiative

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As an ecological economist, Caroline's research focuses on the human dimensions of land use change including development of collaborative processes in environmental decision-making, valuation of ecosystem goods and services, and modeling of human-ecosystem interactions. Current research looks at human-nature interactions and land-use change in the northeastern United States from 1600-2100, focusing on understanding historical land-use change from an ecosystem services perspective. Past research includes development of hydrologic-economic systems models for arid regions; quantifying the social costs and benefits of protected marine areas; valuation of river resources and the environmental, economic and social impacts of river management; and measurement of environmental, economic and social impacts of commercial logging and the changing nature of private forest ownership in the Northern Forests of the Northeast.