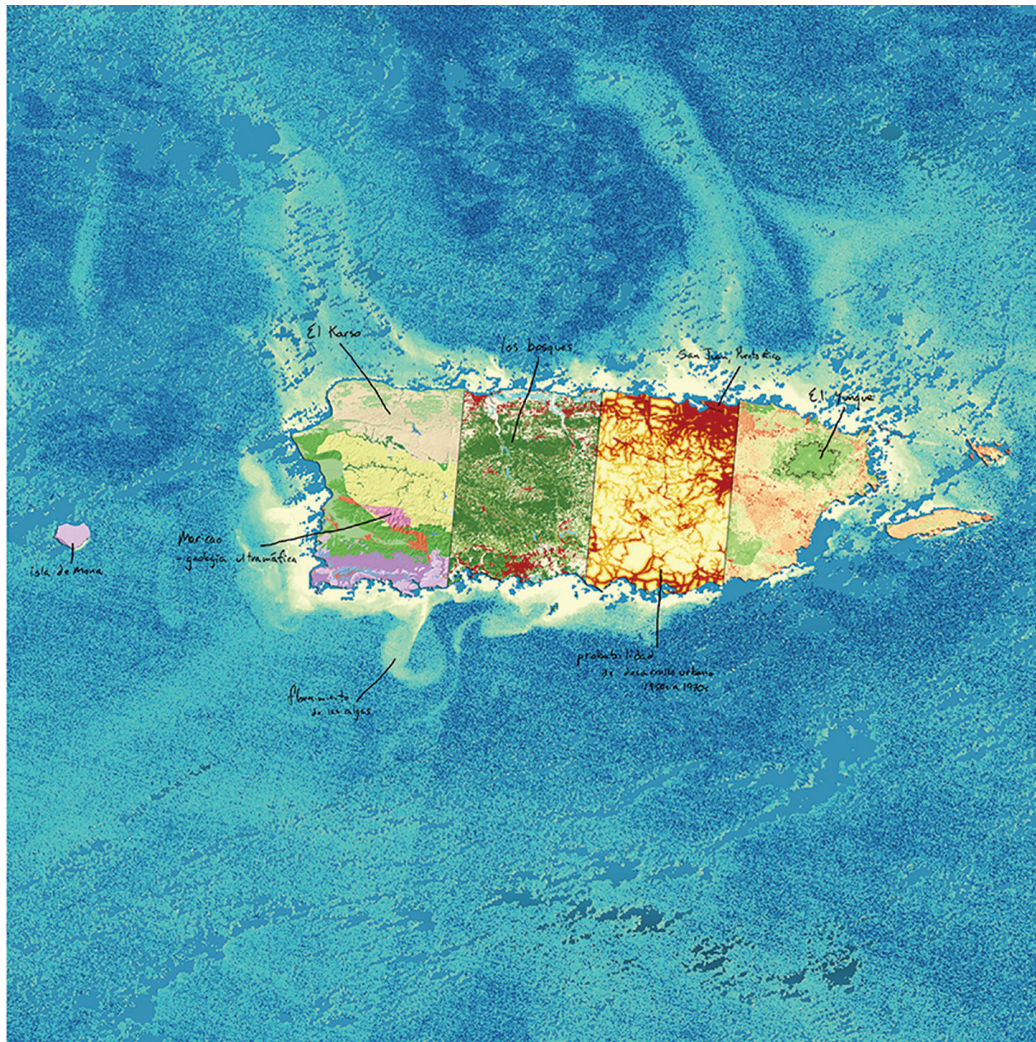


An All Lands Approach

By William Gould, Research Ecologist
Maya Quiñones Zavala, Geographer

This map represents some of the ways researchers perceive the landscape. Scientists use a variety of tools to understand the state of the landscape and the relationships between forces that shape the landscape, like climate, ocean currents, and human activity. We feel it is important to understand these things because our lives are connected to the landscape and we depend on the food, air, water, and spirituality the land imparts.



A colorful image of Puerto Rico and the surrounding seas created by a composite of remote sensing and mapping techniques that show patterns in algal blooms, bedrock geology, land cover, urban growth, and biodiversity.



William A. Gould was born and raised in Minneapolis, Minnesota. He worked and studied for many years in the Arctic and moved to Puerto Rico in the year 2000. He is a research ecologist with the USDA Forest Service's International Institute of Tropical Forestry, the coordinator of the Caribbean Landscape Conservation Cooperative, and the director of the USDA Southeast Regional Caribbean Climate Sub Hub. He works as a landscape ecologist studying the relationships of land and seascapes, biodiversity, ecosystem services, and conservation.



Maya Quiñones Zavala is a Puerto Rican geographer for the Forest Service with a special interest in the art of cartography. She started learning and practicing geospatial and analysis techniques, cartography, and remote sensing as a student volunteer at the International Institute of Tropical Forestry in the year 2000. She has coauthored various scientific articles, reports, and research maps. Her cartographic work can also be found in many publications and presentations by Institute scientists and collaborators.