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To The

World's Future

Environmental

Leaders



TOP: At the FESinDC annual job trek in Washington, D.C. last year, students met with employers like TetraTech, an environmental consulting and engineering services firm.

RIGHT: Students in tropical forest restoration seminar at a field training site of the Environmental Leadership & Training Initiative (ELTI) in Panama. ELTI is a center at F&ES focused on strengthening the capacity of people who influence or directly manage tropical landscapes.



Our students are ready.

They enter the Yale School of Forestry & Environmental Studies (F&ES) with real-world experience, having worked in policy and finance, resource management and law, science and communications — and the list goes on. At F&ES, they deepen their knowledge, working across disciplines and perspectives toward a more sustainable future.

Since its founding in 1900, F&ES has stood proudly at the forefront of environmental education. Our diverse and talented students are immersed in a curriculum that encourages systems thinking, promotes group work, and helps them master core concepts and a common language that are essential for any environmental professional.

As graduates, they are prepared to join forward-looking employers from around the world — just like you.

Let the Career Development Office (CDO) connect you to the world's future environmental leaders.



Selected **First Jobs** for Recent Alumni

Energy Programs Specialist

Advanced Microgrid Solutions

Capital Management

ESG Manager

AMERRA

Project Manager

aquaTECTURE LLC

Program Director

Coalition for Green Capital

Equal Justice Works Fellow

Earthjustice

Energy Industry Analyst

FERC

Investment Analyst

Fosun Group

Financial Services Associate

GE Energy

Operations Associate

Gordon and Betty Moore Foundation

Senior Plant Protection Officer

Government of Bhutan

Research Officer

GROOTS/LANDac

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ideas42

Executive Director

New Canaan Land Trust

Communications Coordinator

NOAA

Forester

NY Department of
Environmental Conservation

Associate

NY Green Bank

Business Development Consultant

Reon Energy

Green Business Associate

San Francisco Department
of the Environment

MLDP Associate

SunEdison

Technical Program Manager

Tesla

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Associate - Responsible Investment

TIAA-CREF

Northwest Parks for

People Program Manager

The Trust for Public Land

Climate Adaptation Consultant

UNDP

Strategic Analyst

USDA Caribbean Climate Hub

Product Manager

WaterSmart Software

Manager

WBCSD

Consultant

World Bank

Civil Society Specialist

WRI

Corporate and Financial

Sector Specialist

WWF Colombia

Researcher/Reporter

VICE Media

Our graduates are national and international leaders in many areas, including:

Air Quality Management

Biofuels Research

Brownfield Remediation

Carbon and Forest Finance

Climate Change Mitigation and Adaptation

Conservation Finance

Corporate Sustainability

Disaster Risk Management

Ecosystem and Wildlife Conservation

Energy Analysis and Strategy

Energy Efficiency

Environmental Education and Training

Environmental Engineering

Environmental Health and Safety

Environmental Investing

Environmental Justice

Environmental Law

Environmental Policy Analysis

Forestry

Green Building

Green Chemistry

Green Infrastructure

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Industrial Ecology

Industrial Recycling

International Development

Protected Areas Management

Renewable Energy Development

Resilient Local Food Systems

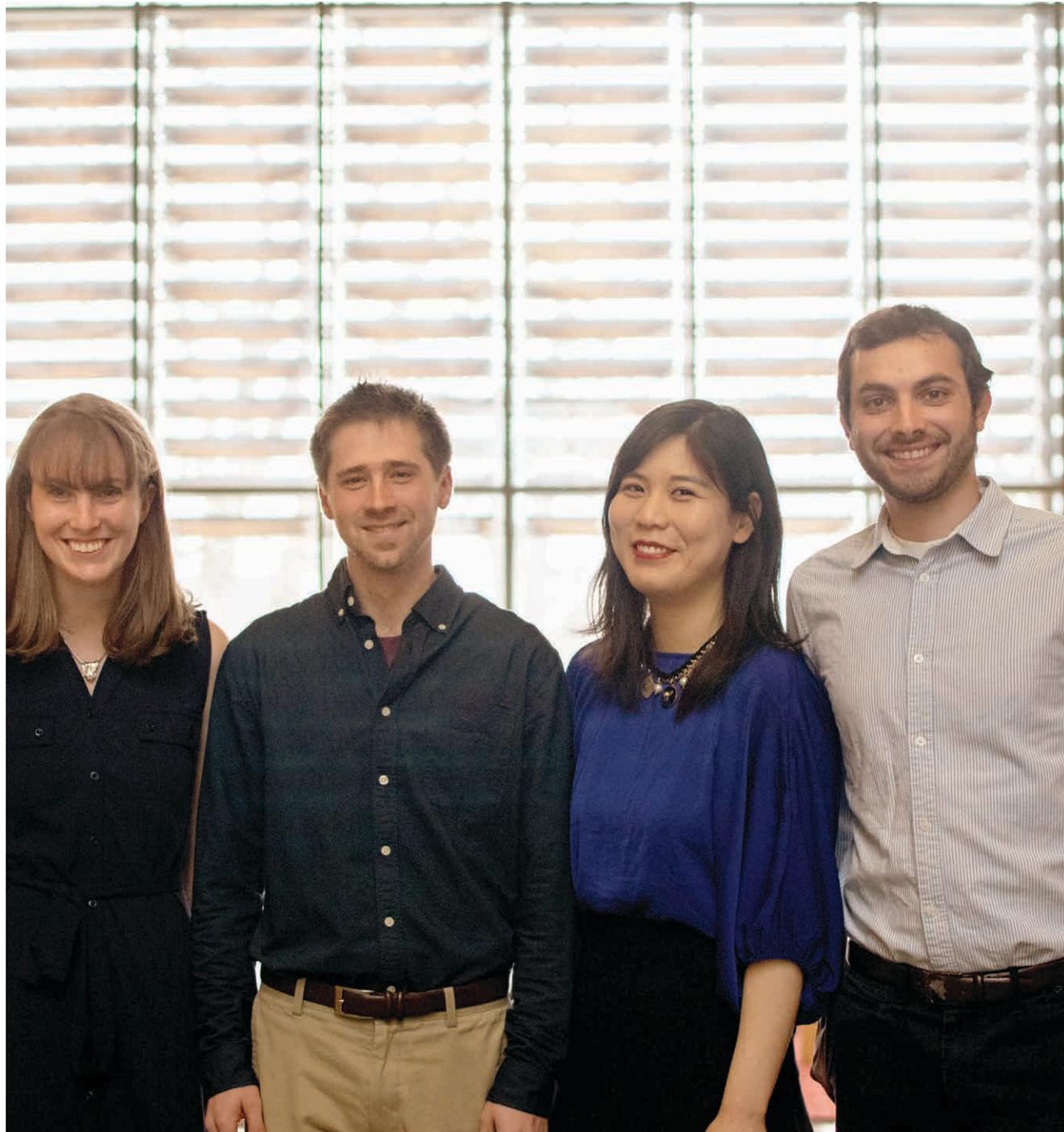
Social Ecology

Sustainable Land Management
and Land-Use Planning

Urban Planning and Design

Waste Management

Water Resources Management



Caitlin Chiquelin
Master of Environmental Management '18

Ben Zukowski
Master of Environmental Management '19

Chendan Yan
Master of Environmental Management '18

Adam Fishman
Master of Environmental Management '18

Future-looking Mobility Strategy

CAIT, BEN, CHENDAN, and ADAM spent a semester working on a review and analysis for Ford Motor Company through the client-based Business and the Environment Consulting Clinic taught by F&ES lecturer Maureen Burke. As evidenced by its inclusion in the U.N.'s Sustainable Development Goals, mobility strategy is an important focus for the transportation industry, as well as for governments, development agencies, and individuals.

The team brought professional backgrounds in international development; global governance and private sector sustainability strategies; policy analysis; data analysis; and data visualization to the project. They were tasked with conducting research and providing data to help Ford as it rethinks how it can help people, communities, and the environment as a means of staying competitive in an evolving global market – and to analyze gaps and opportunities for the company to increase engagement.

Elements of the project included: a review of original equipment manufacturers, technology developers, venture capital firms, municipal governments, and ride- and bike-sharing companies; collating common findings around sustainability reporting by companies; research on data platforms and partnerships; and research on innovation around electric and autonomous vehicles. The students analyzed key performance indicators and mobility metrics to determine what potential collaborators and competitors are measuring.

For their final report, the team provided recommendations on gaps and opportunities that could potentially leverage the client's current strengths and diverse offerings.

“By 2030, provide access to safe, affordable, accessible and sustainable transport systems for all, improving road safety, notably by expanding public transport, with special attention to the needs of those in vulnerable situations, women, children, persons with disabilities and older persons.”

– UNITED NATIONS SDG 11.2

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Ethan Miller
Master of Forestry '18

Participatory Mapping in the Mau Forest

ETHAN came to F&ES with a background in tropical forestry through a research fellowship with the Smithsonian Tropical Research Institute, where he used drone mapping to monitor carbon sequestration in the Panama Canal Watershed. As a Master of Forestry candidate at F&ES, he has deepened his focus on a landscape approach to tropical forest management, notably through his work with the Nairobi office of the Center for International Forestry Research (CIFOR).

The Mau Forest has been described as a “water tower” as it is the source of many rivers, including those that feed Lake Victoria and the Maasai Mara in Kenya. Historically, it has been a prime area for agricultural expansion by the government, companies, and community members because of its fertile conditions. Years of failed conservation efforts have spurred a significant move towards collaborative planning between government foresters and community forest associations.

Ethan has been instrumental in this equitable conservation of water and forests, bringing knowledge of the locations and factors that drive people to value these resources. When exploring and documenting the spatial dynamics of community values of forest resources, he keyed in on these questions:

What benefits from the forest do people find important?

Where do they obtain these benefits?

Why do they obtain them in those locations?

Ethan is working with CIFOR to deliver these maps to local communities as a tool for negotiation during the planning process, as well as groups like the Kenya Forest Service that are interested in socially equitable means of forest conservation.

“Participatory mapping is based on the premise that local inhabitants possess expert knowledge of their local environments which can be expressed in a geographical framework...Maps created by local communities represent the place in which they live, showing those elements that communities themselves perceive as important such as customary land boundaries, traditional natural resource management practices, sacred areas, and so on.” - EXCERPTED FROM MAPPING FOR RIGHTS



Camilo Huneus
Master of Environmental Management '18

Anna Maria Cárcamo
Master of Environmental Management '19

Monica Nuñez
Master of Environmental Management '18

Diego Manyá
Master of Environmental Management '18

Bringing the World to F&ES

CAMILO, ANNA, MONICA, and DIEGO

organized and convened a conference, *The Silent Leadership of Latin America and the Caribbean*, to highlight the region's crucial contributions in shaping the path toward global sustainability. Drawing on their combined professional and academic backgrounds in law, policy, environmental justice, civil engineering, and international development, the team organized a series of panel discussions and keynote addresses to explore common challenges and success stories across gender equity, indigenous identities, and the quest to advance sustainable development in Latin America and the Caribbean.

Keynote speakers included Dr. Grethel Aguilar, IUCN Regional Director, Mexico, Central America and the Caribbean; Manuel Pulgar-Vidal, Global Climate and Energy

Program Leader at the World Wildlife Fund; and Julia Carabias, a Mexican ecologist and environmentalist, and recipient of the U.N. Environmental Programme's Champions of the Earth Prize and the Belisario Domínguez medal.

Co-hosted by the Yale School of Forestry & Environmental Studies and the Yale Council on Latin American and Iberian Studies, the event was one of several annual conferences initiated, established, and hosted by master's degree students at F&ES to engage local, regional, international, and university communities with interest in major environment-related topics. Other examples of these collaborations include the Environmental Film Festival at Yale, the International Society of Tropical Foresters conference, New Directions in Environmental Law, and the Yale Food Systems Symposium.

"F&ES provides master's students with unique opportunities to bring cutting edge issues and experts to their peers, as well as to local, regional, national, and international communities. When designing and convening major conferences as part of their time at F&ES and Yale, our students drive innovation, and create and share knowledge while building professional relationships with leaders in their fields. At the same time, they hone the valuable professional skills that running a major event demands."

- PROFESSOR BRAD GENTRY, SENIOR ASSOCIATE DEAN OF PROFESSIONAL PRACTICE

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Cori Grainger
Master of Environmental Science '19

Flood Vulnerability of Households in the Himalayas

CORI came to F&ES with strong technical skills and experience using geospatial analyses for land use, water resources, and coastal development at The Nature Conservancy as a GeoDesign associate. As a current Master of Environmental Science student, she is further developing her skills in GIS, remote sensing, and mathematical modeling, with the ultimate goal of using these technical skills to find creative solutions for balancing environmental and human concerns.

While focusing her master's thesis research on modeling vulnerability to floods for households in the Himalaya region of India, Cori is also sharpening her technical and research skills while participating in a more comprehensive project headed by F&ES Professor Karen Seto. The larger study is

designed to provide up-to-date, vital information to inform disaster risk reduction planning in a region frequently impacted by floods, fires, earthquakes, and landslides.

Cori's independent research includes conducting interviews of households in the region and analyzing census and natural disaster data. She will apply and test the combined data using a number of frameworks of vulnerability that capture physical, economic, social, and political influences. Her research and analysis will contribute important data for the larger Himalayan region study, which could contribute to strategic plans for future flooding and other natural disasters.

“After the Nepal earthquake in 2015, we realized that we had insufficient longitudinal data on how these towns and cities had been growing and where the vulnerable people are located in this region.”

- KAREN SETO, F&ES PROFESSOR, AND PRINCIPAL INVESTIGATOR OF NASA-FUNDED STUDY ON URBANIZATION AND LAND USE CHANGE IN THE HIMALAYA REGIONS OF INDIA, NEPAL AND BHUTAN



Carbon Policy and Working Lands

GYAN, CAMILA, LYDIA, and JEREMY consulted for The Pinchot Institute for Conservation as part of the Yale Environmental Law Clinic taught by Josh Galperin, a lecturer at F&ES and Yale Law School. As Oregon considers a variety of cap-and-trade proposals and related greenhouse gas (GHG) reduction programs, a working group of stakeholders – along with The Pinchot Institute – enlisted the student team to conduct background research on carbon pricing and working lands in Oregon.

The team was charged with conducting background research to inform the discussions of carbon pricing legislation, which considers the common interest outcomes of reducing GHG emissions and investing in resilient rural and urban economies. This entailed an inclusive and thorough research process that addressed the concerns of diverse stakeholders,

including disadvantaged communities, environmental justice advocates, industry representatives, and environmental and economic experts.

The F&ES student team conducted extensive literature reviews and individual interviews. Their analyses and findings were published in the white paper, Carbon Policy and Working Lands in Oregon, presented in June 2018 at a convening of 95 individuals from a range of stakeholder groups.

The team co-authored all six sections of the white paper: Carbon Pricing and Environmental Justice, Potential Impacts of Cap and Invest on Fuel and Energy Prices, Carbon Pricing: Potential Implications for Oregon Agriculture, Forestry Offset Protocols, Agriculture Offset Protocols, and Carbon Offset Aggregation.

“From cities to the country, the diversity of lands and communities comprising our landscapes are all exposed to the risks presented by climate change. These same lands and communities can take steps to reduce emissions and adapt to changing conditions.”

- CARBON PRICING AND WORKING LANDS IN OREGON, THE PINCHOT INSTITUTE FOR CONSERVATION

Gyan de Silva
Master of Environmental Management '18

Lydia Mendoza
Master of Forestry '18

Camila Rodriguez Taylor
Master of Environmental Management '19

Jeremy Hunt
Master of Environmental Management '18

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