

Yale SCHOOL OF FORESTRY &
ENVIRONMENTAL STUDIES

ZONE FUELS PLANNER
U.S.D.A. FOREST SERVICE
LAWRENCE BERKELEY NATIONAL LABORATORY
PROGRAM OFFICER
INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE — JAPAN
VOLCANIC CHAIN PROGRAM MANAGER
THE NATURE CONSERVANCY
GUATEMALA
ENERGY ANALYST
CALIFORNIA PUBLIC UTILITIES COMMISSION
ENVIRONMENTAL SPECIALISTS
NASA AMES RESEARCH CENTER
ARBON MASTER
TONYFIELD FARM RESEARCH CENTER
ASSOCIATE
CONSULTING
CORPORATE DEVELOPMENT
ENVIRONMENTAL AND SAFETY ASSOCIATE
GREEN BRIDE
MANAGER
INTERNATIONAL PAPER
GUIDE
APEX WIND ENERGY
ENVIRONMENTAL SPECIALISTS
INTEL CORPORATION
ASSOCIATE MARKETING MANAGER
JOHNSON & JOHNSON
ATELIER
ENVIRONMENTAL DESIGNER
JUNIOR PROFESSIONAL ASSOCIATE
WORLD BANK GROUP
SENIOR ASSOCIATE
PRICEWATERHOUSECOOPERS
ASSOCIATE
CARBON FINANCE OFFICER
INDUSTRIAL ECONOMICS
UNDP — PERU

Let us link you to
the world's future
environmental leaders

environment.yale.edu/employers

CAREER DEVELOPMENT OFFICE

Quick Facts

Our students have an average of 3 years of professional experience prior to admission

10% Approximately 10% enroll in a joint MEM*/MBA degree with the Yale School of Management

*MASTER OF ENVIRONMENTAL MANAGEMENT

25-30% 25-30% of our graduates are international

4/9 We offer four master's degrees and nine joint degrees

All graduates learn how to measure a stand of trees, even if their focus is CSR*, green architecture or carbon finance

*CORPORATE SOCIAL RESPONSIBILITY

140 Our typical master's student graduating class size is 140

10% Approximately 10% complete a Master of Forestry degree

The economy of nature and the ecology of man are inseparable.

— SPENCER BEEBE, F&ES ALUMNUS, 1974



Getting ready to plant trees in New Haven during Urban Ecosystems, a required orientation session designed to provide all graduates with the ability to analyze how the actions of humans and the built environment alter ecosystem structure and function.

Founded in 1900 by Yale alumni Henry Graves and Gifford Pinchot, the first Chief of the U.S. Forest Service, Yale School of Forestry & Environmental Studies (F&ES) is the oldest professional forestry school in the nation.

From many early U.S. Forest Service Chiefs to global leaders in sustainable business, conservation and climate science and policy, our graduates work on a wide range of environmental challenges. Our extensive alumni presence spans the globe and cuts across major industries and employment sectors.

With a strong commitment to the “long-term health of the biosphere,” the school prepares leaders with a systems-based education in eight broadly conceived areas of environmental concern — biodiversity, forestry, global climate, industry, law and economics, urban systems, water and social ecology.

Meet some of our students . . .

Evan

Investing in Forest and Ecosystem Conservation



The MF program bridges ecology and management, preparing professionals to work across sectors on policy and management in the world's forests. Evan's work exemplifies the range of our graduates' interests — exploring forest conservation through developing markets.

— F&ES PROFESSOR MARK ASHTON

sustainable resource
fund, LLLP

There's a growing world of market-based forest conservation and stewardship developing and Evan Ray is right in the middle of it.

With expertise in the management of forest resources, Evan is working with Sustainable Resource Fund, LLLP (SRF), a global private equity fund of funds, to conduct an analysis of investable opportunities in timberland and ecosystem service markets — including endangered species mitigation banking, wetland restoration and other areas.

Often overlooked or taken for granted, ecosystem services such as wildlife habitat, water and nutrient cycling, scenic landscapes and other natural assets are, according to the USDA Forest Service, “traditionally absent from society's balance sheet.”

Evan's work and the work of private equity funds like SRF channel private capital to projects that create financial value through land conservation and the sustainable management of natural resources.

“The forestry program at Yale stresses the importance of sustainable resource management on both spatial and temporal scales. At SRF I employ this mindset as I evaluate specific resource managers and determine whether or not an investment in their activities might achieve our financial goals while meeting our ecological expectations.”

*Evan Ray, Master of Forestry '13,
Intern, Sustainable Resource
Fund, LLLP*

Kathryn

Harnessing the Sun in Connecticut



Kathryn has all of the professional skills needed to move the Rooftop Solar Challenge project forward – project management, data analysis and communication. Most importantly, she is a creative thinker who brings a solid understanding of how markets, environmental policy and local governance interact.

– STUART DECEW, PROGRAM DIRECTOR,
YALE CENTER FOR BUSINESS
AND THE ENVIRONMENT

u.s. dept. of energy
sunshot initiative
grant

Kathryn Wright is on a mission.

In order to help the multi-stakeholder group from the solar industry, 12 Connecticut municipalities and towns, academic institutions, and public-private entities working under a U.S. Department of Energy *SunShot Initiative* grant, Kathryn is doing the research and analysis needed to understand the current state-wide rooftop solar zoning and permitting processes.

The goal of the project, overseen by Yale Center for Business and the Environment and the Connecticut Clean Energy Finance Investment Authority (CEFIA), is to reduce non-hardware costs to rooftop solar projects in Connecticut. With Kathryn's help, the team will identify and encourage best practices in solar permitting, zoning and financing, and create a publicly available website with solar cost indexes, processes and online permitting applications.

The longer-term goal of the *SunShot Rooftop Solar Challenge* grantees is to create a better market to accelerate solar PV system installations in the state.

“My work with Yale Center for Business and the Environment and CEFIA is allowing me to contribute to an active, market-based renewable energy project. This is an incredible opportunity to learn about industry and develop quantitative skills to bring to my career in environmental consulting.”

Kathryn Wright, Master of Environmental Management '13, Sunshot Initiative Summer Research Fellow, Yale Center for Business and the Environment and CEFIA

Joe, Matt, Brian and Jake

Promoting More Efficient Energy Use in the United States



We are open to engage with promising individuals, from global experts to our future leaders in science, technology and policy. I appreciated the opportunity to exchange with students from Yale School of Forestry and Environmental Studies as it allowed us to provide guidance to these future leaders in sustainability and, in return, receive novel, global perspectives on business and the environment.

— WILLIAM SISSON,
DIRECTOR OF SUSTAINABILITY AT
UNITED TECHNOLOGIES RESEARCH CENTER

united technologies
corporation

brookhaven national
laboratories

Yale School of Forestry & Environmental Studies encourages students to take their solutions out into the world, and provides resources and extended networks to help make ideas a reality. To develop their idea for promoting more efficient energy use, Joe, Matt, Brian and Jake initiated a research project, *Valuing Real Time Data in the Electricity System*, in collaboration with United Technologies Corporation and Brookhaven National Laboratories.

Advances in technology and monitoring now produce incredibly detailed, real-time energy use data — and this data, potentially, has an economic value for businesses and homeowners. Through an analysis of homeowner needs, power system markets, utility programs and emerging energy efficiency business models, the team is working to quantify the systemic value of this real-time energy data. Ultimately, the team hopes their research will promote more efficient energy use in the U.S.

While focused primarily on U.S. domestic energy use, the team spent two weeks in Germany researching best practices within the energy space — namely energy efficiency and sustainable development-related projects and regulatory structures.

The team is applying the project's experiences to microgrid development through a fellowship from the Yale Entrepreneurial Institute.

Being a student at Yale F&ES provides an unparalleled opportunity to learn from the world's leading environmental and energy professionals. Our research enabled us to gain valuable professional experience that is directly relevant to our post-graduate endeavors.

Joe Edgar, Master of Environmental Management/JD, '12

This project represents what makes this school great — incredible support and freedom to partner with a team of committed classmates in providing real world strategy consulting to UTC and BNL. The experience has given me skills to pursue entrepreneurship and energy development post graduation.

Matthew Cooperrider, Master of Environmental Management, '12

The interdisciplinary focus at F&ES through centers like the Yale Center for Business and the Environment allowed me to pursue important trends in energy economics. Our project was a fantastic consulting experience for future private sector employment.

Brian Marrs, Master of Environmental Management, '12

Energy use is at the heart of so many environmental problems. Our work has focused on finding solutions to building a cleaner, more secure energy future. F&ES generously gave us the freedom to pursue our interests in trying to solve this huge problem.

Jake Seligman, Master of Environmental Management/JD, '12

Kathryn, Justin & Margo

Setting Targets Up and Down the Supply Chain



It is not enough to focus on direct operations. Metrics and targets should extend throughout the supply chain.

— KEY THEMES, FINAL REPORT,
DIAGEO SUSTAINABILITY METRICS PROJECT

diageo

To help Diageo, the world's leading premium drinks company, retain its position as a leader in environmental sustainability, three students in Lecturer Maureen Burke's business and environment consulting clinic teamed up to develop *Environmental Metrics of the Future*. While working towards ambitious targets already set for 2015, Diageo is looking towards the next benchmarks.

To frame their research, Kathryn, Justin and Margo classified supply chain segments as "Upstream," "Direct Operations," and "Downstream." For each segment, the team identified targets that pertain to carbon/energy, water use, water pollution, waste, and biodiversity in areas where raw materials are grown.

After analyzing current initiatives by competitors and conducting interviews with sustainability experts from leading NGOs, the team developed seven solid recommendations for Diageo to consider. The recommendations, according to team member Kathryn Siegel, "will not only help Diageo differentiate itself from competitors, but, eventually, will help transform their industry as a whole."

Enforcing the Clean Air Act as an environmental scientist for the United States Environmental Protection Agency, I became acutely aware of the power of the private sector. I came to F&ES and the School of Management because I wanted to study how to harness this power for environmental change.

Kathryn Siegel, Master of Environmental Management/MBA '12; Consultant, Shaw Environmental Consulting

The consulting clinic offers joint degree students at Yale School of Forestry & Environmental Studies and Yale School of Management the opportunity to apply cross-disciplinary skills towards business sustainability challenges. I gained invaluable insight into reducing environmental impacts across the food and beverage supply chain.

Justin Lindenmayer, Master of Environmental Management/MBA '13; Intern, Preserve Products

The Diageo sustainability metrics project was a great opportunity to apply my knowledge of corporate environmental strategy and industrial ecology and to help Diageo develop new sustainability targets for its supply chain.

Margo Mosher, Master of Environmental Management '12; Analyst, SustainAbility

Goksin

Building a more sustainable world



*The future availability of metals is a complex topic, and one which depends on a mix of geological knowledge, industrial potential, and economics... What we can be certain of is that improved rates of recycling will be vital to any sustainable future, and that knowing where we stand today provides a most useful perspective, and one of the foundations upon which we can build a more sustainable world.**

— F&ES PROFESSOR TOM GRAEDEL

sos metals recycling

Recent graduate Goksin Kavlak, a native of Turkey, took Professor Graedel's advice to heart when she set out on her internship at SOS Metals Recycling in Los Angeles, a company that focuses on recycling metals from the aerospace industry.

Goksin created a greenhouse gas (GHG) emissions inventory on virgin metals used by airlines, original equipment manufacturers (OEM's), aerospace companies and their suppliers. Her research both quantifies an important baseline (to know "where we stand today") and provides SOS Metals Recycling with statistics to promote the ecological and economical advantages of metals recycling to new and current customers.

“My internship with SOS Metals Recycling complemented my research and gave me the opportunity to understand the recycling industry with hands-on experience in quantifying the benefits of this industry.”

Goksin Kavlak, Master of Environmental Science '12; PhD Student, MIT

* PREFACE, *RECYCLING RATES OF METALS: A STATUS REPORT*, 2011, UNEP GLOBAL METAL FLOWS WORKING GROUP

Our graduates lead nationally and internationally in many areas including:

- Green Infrastructure
- Water Resources Management
- Sustainable Land Management and Land-Use Planning
- Energy Analysis and Strategy
- Ecosystem and Wildlife Conservation
- Biofuels Research
- Corporate Sustainability
- Environmental Policy Analysis
- Green Building
- Environmental Engineering
- Brownfield Remediation
- Industrial Ecology
- Forestry
- Urban Planning and Design
- Protected Areas Management
- Environmental Education and Training
- Resilient Local Food Systems
- Environmental Health and Safety
- Industrial Recycling
- Carbon and Forest Finance
- Air Quality Management
- International Development
- Waste Management
- Green Manufacturing
- Social Ecology
- Environmental Investing
- Disaster Risk Management
- Energy Efficiency
- Renewable Energy Development
- Climate Change Mitigation and Adaptation
- Green Chemistry
- Environmental Law

Build a relationship with us to achieve your recruiting goals . . .

Contact us to connect with students and graduates.

• **Master's Internship Programs**

Summer internships are required for all master's degree candidates. Work with us to bring a well-qualified intern to your organization.

• **Resumé Books**

Available in January each year.

• **Global eRecruiting Outreach Program (GeO)**

Free, online job posting service.

• **On-Campus Recruiting**

Schedule an on-campus visit during the academic year.

• **Duke/Yale Environmental Recruiting Fair**

200 master's candidates from two pre-eminent environment schools in Washington, DC.

• **All-Ivy Environmental Career Fair**

Over 700 Ivy League students in NYC.

• **Special Interest Groups**

Reach out directly to practice and affinity based student groups including International Development and Environment, Industrial Environmental Management and Energy and Yale Environmental Women.

For more information, visit our website at environment.yale.edu/employers or contact:

Peter Otis

Director of Career Development

T 203.432.8920

E peter.otis@yale.edu

Kathy Douglas

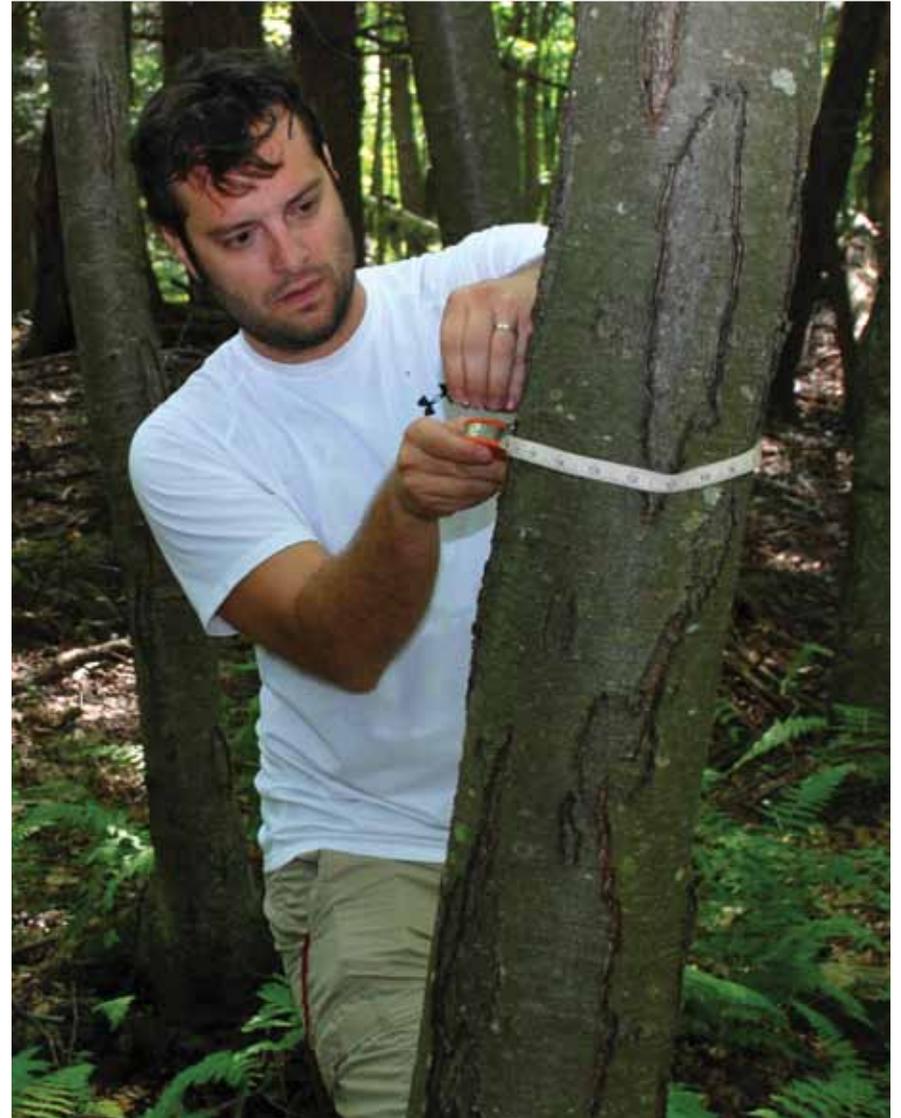
Associate Director of Career Development

T 203.436.4830

E kathryn.douglas@yale.edu

Environmental thinking needs to be incorporated into many areas that once seemed far removed from traditional environmental concerns.

— PETER CRANE, YALE F&ES DEAN



Environmental engineer Jose Medina-Mora measuring a tree during Introduction to Ecosystem Measurement, a required orientation session designed to provide all of our graduates with the basic ability to quantify natural resources and evaluate ecosystem data.

Yale SCHOOL OF FORESTRY &
ENVIRONMENTAL STUDIES

For more information, visit our Website at
environment.yale.edu/employers
or contact:

Peter Otis,
Director of Career Development

T 203.432.8920
E peter.otis@yale.edu

Kathy Douglas,
Associate Director of Career Development

T 203.436.4830
E kathryn.douglas@yale.edu

Front cover: *Sample of first jobs for our graduates, 2006–2012*
Photography: *Matthew Garrett and Peter Otis*

