Our Reach Is Worldwide

College of Natural Resources and Environment

ARGENTINA
- Precision plantation silviculture of pines and eucalyptus
- Growth and yield models for pines

AUSTRALIA
- Stakeholder analysis of the creation of high seas marine-protected areas
- Cooperative research on reforestation of mined land with the University of Western Australia

AUSTRIA
- Exchange program with the Salzburg University of Applied Sciences, where faculty teach strategic management in the forest products industry

BANGLADESH
- Good aquaculture practices training

BELIZE
- Tracking large cats with camera trapping and molecular scatology
- Sponsor of the Las Cuevas Research Station where we conduct research, conservation, and education programs
- Connecting Virginia Extension personnel to non-timber forest products, certification, and reduced impact logging issues
- Study abroad classes on these issues and on the ecology and culture of Belize

BHUTAN
- Work with Ugyen-Wangchuck Institute for Conservation and Environment (UWICE) to build capacity for wildlife studies in rugged mountainous terrain

BOLIVIA
- Develop markets for lesser known tropical hardwoods

BOTSWANA
- Wildlife disease ecology and connections to human communities

BRAZIL
- Impacts of hydropower development on riverine fisheries and restoration of native riverine fishes
- Precision plantation silviculture of pines and eucalyptus
- Growth and yield models for pines
- Mariculture research towards dietary fishmeal and fish oil replacement
- International mariculture training at the Virginia Seafood Agricultural Research and Extension Center

CANADA
- Risk assessment of genetically engineered salmon
- Study abroad to introduce students to the physical and human landscapes of eastern Canada
- Study abroad to enhance students' abilities to "read" landscapes, understand regions, and become aware of communities
- International mariculture training at the Virginia Seafood Agricultural Research and Extension Center

CHILE
- Precision plantation silviculture of pines and eucalyptus
- Formal collaboration with newly established Water Center at Universidad Austral de Chile
- Cooperative research on reforestation of mined land with Pontificia Universidad Catolica de Chile
- College-level participation in the Center for Science and Global Sustainability with the Universidad Austral de Chile

CHINA
- Impacts of the Three Gorges Dam on fisheries of the Yangtze River
- Service learning and interdisciplinary study abroad focused on sustaining natural resources and cultural heritage

COLOMBIA
- Precision plantation silviculture of pines and eucalyptus

COSTA RICA
- Study abroad course in global issues on sustainability
- Precision plantation silviculture of pines and eucalyptus

DOMINICAN REPUBLIC
- Monitoring bird-aircraft collision incidence and developing management practices to alleviate such dangers in Punta Cana
- Study abroad program on sustainable management of water resources
- Study abroad program on land use change and urban growth in a Dominican shantytown
- Food import dependency and the food retail hierarchy

ECUADOR
- Relationships between national parks and neighboring residents

FRANCE
- Sustainable marine larviculture research in education

GERMANY
- Student exchanges with the University of Hamburg
- Student exchanges with the Friedrich Schiller University of Jena
- Faculty Scholar in Excellence at Georg-August University in Gottingen
- Synthesis of regiocontrolled derivatives of polysaccharides from biomass

GHANA
- Characterizing pond aquaculture effluents and receiving stream water quality for environmental management
- Substitution of bamboo by forest products mills to slow tropical forest deforestation

HAITI
- Using bamboo composites for housing construction

INDIA
- Sustainable mariculture training and education programming
- Service learning and interdisciplinary study abroad focused on sustaining natural resources and cultural heritage

Engaging the World With Solutions to Critical Natural Resources and Environmental Issues

www.cnre.vt.edu

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VirginiaTech
Invent the Future

College of Natural Resources and Environment — CNRE

INDONESIA
- Sumatran tiger conservation using remote cameras and occupancy estimation
- Good aquaculture practices training

IRELAND
- Educational pathway project with Letterfrack University in product design and development

ISRAEL
- Detection of disease resistance genes in cultured carp

JAMAICA
- History of forestry and soil conservation policies

JAPAN
- History of forestry and soil conservation policies
- Synthesis of regiocontrolled derivatives of polysaccharides from biomass

KENYA
- History of soil conservation policies

LIBERIA
- Dispersal and migratory behavior of bull-headed shrikes

MADAGASCAR
- Use of remote cameras to study the impacts of habitat fragmentation on elusive carnivores
- Community-based reforestation and environmental education
- Behavioral and ecological interactions of lemurs and their predators

MALAYSIA
- International mariculture training at the Virginia Seafood Agricultural Research and Extension Center
- Good aquaculture practices training

MEXICO
- Effects of introduced invasive aquatic plants in Lake Chapala
- Precision plantation silviculture of pines and eucalyptus
- Landscape-level habitat evaluation for golden eagles
- Workshops on wildlife habitat evaluation, wildlife population estimation, and wildlife population management
- Development of a sustainable mariculture research, extension, and education center
- International mariculture training at the Virginia Seafood Agricultural Research and Extension Center

NEPAL
- Impacts of fragmentation on tiger ecology and genetic conductivity across the Terai Arc
- Establish natural resource memorial center of excellence to improve teaching and mentoring skills, and expand research base
- Resilience of community-based conservation initiatives to the Maoist insurgency
- Assessment of markets for non-timber forest products produced by women entrepreneurs

NEW ZEALAND
- Interdisciplinary study abroad courses focused on sustaining human societies and the natural environment
- Developing national soil quality models for intensively managed forest plantations
- Study abroad program on sustaining human societies and the environment

NORWAY
- Novel alginate derivatives for drug delivery

OMAN
- Mariculture research towards dietary fishmeal and fish oil replacement
- International mariculture training at the Virginia Seafood Agricultural Research and Extension Center

PUERTO RICO
- Fisheries data collection program

SPAIN
- Status of sharks in Spanish waters

SWITZERLAND
- Utilizing tree rings to record past environmental history

TANZANIA
- Population estimation for large cats using camera trapping
- Marine protected area policy and management in Mnazi Bay

TAIWAN
- Response of birds to fragmentation of native forests

THAILAND
- Good aquaculture practices training

UGANDA
- Relation of gender to the adoption of integrated pest management practices
- Estimating forest cover change and identifying social factors influencing forest loss

UNITED KINGDOM
- Study abroad focusing on cultural and physical landscapes

URUGUAY
- Precision plantation silviculture of pines and eucalyptus

VENEZUELA
- Precision plantation silviculture of pines and eucalyptus

VIETNAM
- Good aquaculture practices training

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