SEEKING RESEARCH INTERN

The Natural Capital Project (www.naturalcapitalproject.org) is an innovative partnership among The Nature Conservancy, World Wildlife Fund and Stanford University aimed at aligning economic forces with conservation. Our vision is a world in which people and institutions recognize natural systems as capital assets, appreciate the vital roles they play in supporting human well-being, and incorporate the intrinsic and economic values of natural capital into decision making.

The Natural Capital Project is developing new tools that will include **maps of natural capital** and **innovative approaches**, including private markets, to motivate and finance conservation.

A fundamental requirement is the need to incorporate the impacts of changes in the landscape on **water services**, such as water availability, water quality, and flooding. There exists a wealth of research and synthesis reports that document landscape-water linkages.

Under guidance of the Natural Capital Project Hydrologist, a paid (stipend) research intern is sought to **characterize literature findings of landscape-hydrology linkages**.

Duration: 1 month full time (40 hours per week). A part-time internship will be considered at a minimum of 20 hours per week for two months.

Start Date: As soon as possible.

Location: San Francisco Bay Area is preferred, though not necessarily on the Stanford campus.

Specific Skills and Task Description:

A person with a background in Hydrology, Environmental Science, Geography or applicable field is necessary to extract key information from published literature that will be used in hydrology models to quantify the impacts of landscape changes on water availability and sediment transport. The applicant must have the skills to analyze and understand state-of-the-art environmental field studies by leading scientists. Basic skills in GIS are desirable because all study findings will be characterized by eco-region. Although, the Natural Capital Project hydrologist will provide most of the initial materials, the applicant must have the initiative to expand literature resources based on literature citations and web-research. Work may be extended based on funding and project needs.

Key skills: Web Research savvy, MS Excel or Access. Desirable skills: Basic GIS.

To Apply: Send cover letter and resume to invest@naturalcapitalproject.org

SEEKING RESEARCH INTERN

The Natural Capital Project (www.naturalcapitalproject.org) is an innovative partnership among The Nature Conservancy, World Wildlife Fund and Stanford University aimed at aligning economic forces with conservation. Our vision is a world in which people and institutions recognize natural systems as capital assets, appreciate the vital roles they play in supporting human well-being, and incorporate the intrinsic and economic values of natural capital into decision making.

The Natural Capital Project is developing new tools that will include **maps of natural capital** and **innovative approaches**, including private markets, to motivate and finance conservation.

A fundamental requirement is the need to incorporate the impacts of changes in the landscape on **water services**, such as water availability, water quality, and flooding. There exists a wealth of research and synthesis reports that document landscape-water linkages.

Under guidance of the Natural Capital Project Hydrologist, a paid (stipend) research intern is sought to **compile globally available hydrologic and landscape data** for Natural Capital Project Demonstration Sites.

Duration: 1 month full time (40 hours per week). A part-time internship will be considered at a minimum of 20 hours per week for two months.

Start Date: As soon as possible.

Location: San Francisco Bay Area is preferred, though not necessarily on the Stanford campus.

Specific Skills and Task Description:

A person with a basic background in Remote Sensing and GIS or applicable field is needed to compile historic hydrologic and landscape data from satellite imagery. The goal is to compile 30 years of precipitation, temperature, and land-use (AVHR, LANDSAT) satellite imagery data for Natural Capital Project sites, which include the Eastern Arc Mountains in Tanzania, The Sierra Nevada in California, and the Upper Yangtze River basin in China. Skills to visualize and characterize imagery quality will be crucial as well as the ability to format the data in usable forms. Key skills are experience with satellite imagery analysis, and use of imagery visualizing and conversion software, such as ERDAS, or MATLAB. Intern will work closely with the Natural Capital Project hydrologist as well as with collaborators in the Department of Geological Sciences at the University of South Carolina.

To Apply: Send cover letter and resume to invest@naturalcapitalproject.org