

# Forest Climate Change Initiative (FCCI)

The University of Maine's **Center for Research on Sustainable Forests** has initiated an effort to better coordinate regional research and scientists working on the potential effects of climate change on forests. The University of Maine has significant expertise on climate and forest resources, which exists across academics units, centers, and institutes. The FCCI web portal is intended to serve as a point of access to these resources and encourage networking among university expertise as well as external stakeholders.

[crsf.umaine.edu/forest-climate-change-initiative/](http://crsf.umaine.edu/forest-climate-change-initiative/)

## **FCCI Scientist Profile**



**Ivan Fernandez**

**Professor of Soil Science**

*Institutional Affiliations: School of Forest Resources; Climate Change Institute; School of Food and Agriculture; Center for Research on Sustainable Forests*

**Research Focus:** Biogeochemical response of ecosystems to air pollution and climate change, adaptation and mitigation to climate change

**IVAN FERNANDEZ** is a Distinguished Maine Professor of Soil Science in the School of Forest Resources at the University of Maine. He is interested in how we are developing adaptation strategies for managing ecosystem response to climate change, particularly as it relates to terrestrial ecosystems and the freshwater resources they encompass. He has a Bachelor of Arts in Biology from Hartwick College, and a Master of Science in Plant & Soil Sciences as well as a Doctorate in Philosophy in Forest Resources from the University of Maine.

## **Forest Climate Change Research Focus**

- Biogeochemical response of forested watersheds to air pollution and climate change using whole watershed long-term research.
- Soil carbon and soil health
- Land application for the utilization of residuals (e.g., biochar)
- "Recovery" from acid rain
- Climate change adaptation and assessment in Maine
- Science-policy outreach (e.g., US EPA, Maine state government, licensing)

