

The University of Maine's Forest Climate Change Initiative (FCCI)

Dr. Aaron Weiskittel

Center for Research on Sustainable Forests

University of Maine





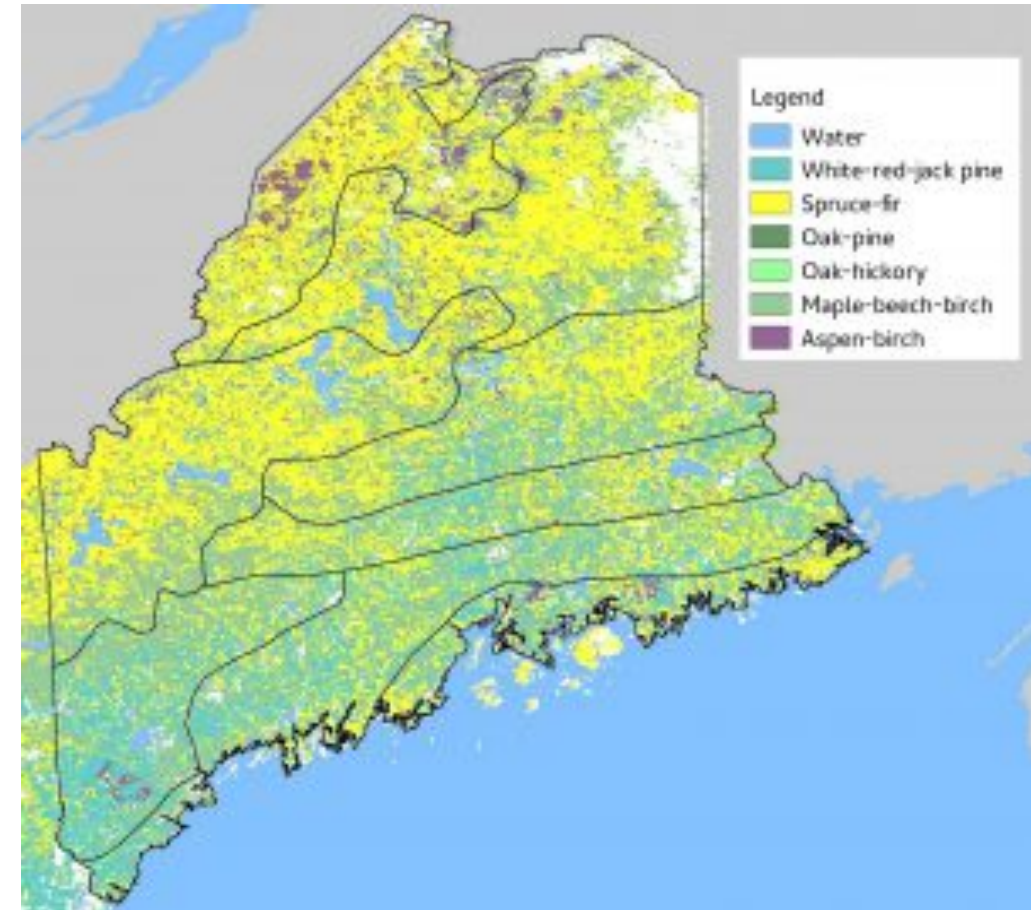
Center for Research on Sustainable Forests (CRSF)

- Founded in 2006
- Mission is *to conduct and promote leading interdisciplinary research on issues affecting the management and sustainability of northern forest ecosystems and Maine's forest-based economy*
- More information on CRSF available online: crsf.umaine.edu



Forest Climate Change Initiative (FCCI)

- Goal is to promote, inform, and help coordinate forest researchers in Maine on climate change related topics and issues
- Serve as a clearinghouse for relevant climate change information and provide an informal network to pursue current and future opportunities
- Open to all who are interested





Forest Climate Change Initiative (FCCI)



FCCI at the 2019 Maine Sustainability
& Water Conference

Hosted by the University of Maine Senator George J. Mitchell Center for Sustainability Solutions

[2019 Maine Sustainability & Water Conference](#)

March 28, 2019

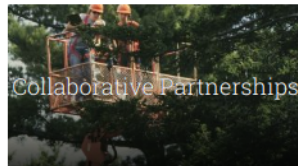
Augusta Civic Center

[Conference Registration and Session Details](#)

SAF has qualified the session for 1.5 Cat 1 CFE credits

The afternoon session will highlight the goals of Forest Change Climate Initiative and begin a larger discussion on research priorities. In particular, the session will feature an overview of current FCCI activities, presentations on the current state of knowledge across multiple disciplines, and a panel discussion of stakeholders on their experiences and information needs regarding emerging weather patterns and climate change. A facilitated open discussion will follow to identify and prioritize information needs and research priorities.

[FCCI Presentation and Speaker Bios](#)



[Stay Informed! Subscribe to the FCCI Newsletter!](#)

<https://crsf.umaine.edu/forest-climate-change-initiative/>



Forest Climate Change Initiative (FCCI)

Aaron Weiskittel



Professor of Forest Biometrics and Modeling, School of Forest Resources

Affiliations: Director, Center for Research on Sustainable Forests

My work has been focused on developing a new growth and yield model for the Acadian Region, evaluating stem taper/volume equations, and exploring the potential influence of climate change on forest productivity. [Learn More.](#)

Research Focus: Forecasting future changes in forest composition and productivity to climate change.

Ivan Fernandez



Professor of Soil Science, Climate Change Institute & School of Forest Resources

Affiliations: School of Food and Agriculture; Center for Research on Sustainable Forests

I am a soil scientist with interests in the biogeochemistry of forested ecosystems in a changing chemical and physical climate. I am also 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. [Learn More.](#)

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

Sarah J. Nelson



Associate Research Professor in Watershed Biogeochemistry, School of Forest Resources

Affiliations: Director, Program in Ecology & Environmental Sciences; Senator George J. Mitchell Center

My research has included atmospheric deposition, surface water acidification, watershed mass balances, climate effects on water resources, and spatial geochemical modeling, with a strong focus on mercury fate and transport. [Learn More.](#)

Research Focus: Climate effects on water resources, and spatial geochemical modeling with a strong focus on mercury fate and transport.

Sandra De Urioste-Stone



Assistant Professor of Nature-based Tourism, School of Forest Resources

Affiliations: Center for Research on Sustainable

Shawn Fraver



Assistant Professor, Forest Ecology, School of Forest Resources

Affiliations: Center for Research on

Adam Daigneault



Assistant Professor of Forest, Conservation, and Recreation Policy, School of Forest Resources

<https://crsf.umaine.edu/forest-climate-change-initiative/>



Forest Climate Change Initiative (FCCI)



PUBLICATIONS AND USEFUL LINKS

[2019 Maine Sustainability & Water Conference](#)

March 28, 2019 at the Augusta Civic Center

[FCCI Session: Current State of Forest Climate Change Conditions and Research/Panel and Group Discussion](#)



[WMO Provisional Statement on the State of the Global Climate in 2018](#)



[The State of Food Security and Nutrition in the World 2018](#)

FAO Agricultural Development Economics Division

This report launches an urgent appeal to accelerate and scale up actions to strengthen resilience and adaptive capacity in the face of changing climate variability and increasing extremes.



[2018 Lancet Countdown on Health and Climate Change Brief for the United States of America](#)

American Public Health Association

This Brief focuses on connections between climate change and health in the United States (U.S.) in 2017. It draws out some of the most nationally-relevant findings of the global 2018 Lancet Countdown on Health and Climate Change report with U.S.-specific data to highlight the key threats and opportunities climate change poses for the health of Americans.



[New England and Northern New York Forest Ecosystem Vulnerability Assessment and Synthesis: A Report from the New England Climate Change Response Framework Project](#)

Maria Janowiak et al.

report launches an urgent appeal to accelerate and scale up actions to strengthen resilience and adaptive capacity in the face of changing climate variability and increasing extremes.

<https://crsf.umaine.edu/forest-climate-change-initiative/>



Forest Climate Change Initiative (FCCI)

- Regular electronic newsletter highlighting:
 - New research
 - Recent reports
 - Upcoming events
 - Research or student profiles
- Sign up online:
 - <https://tinyurl.com/y38ju4mr>

here.' At the bottom, a paragraph states: 'There is new momentum on climate change in Augusta and one NGO has estimated over 100 bills directly or indirectly address the topic. A number of them are specific to climate change and one mentions the role of the University in this regard (see meeting notice below).'" data-bbox="640 172 982 961"/>

THE UNIVERSITY OF MAINE Forest Climate Change Initiative FCCI

CFRU WEBINAR SERIES
The Value of Long-term Forest Research in Maine
near peak

Ivan Fernandez and Brian Roth cover a variety of topics related to long-term forest research efforts here in Maine. The full length webinar can be access [here](#).

There is new momentum on climate change in Augusta and one NGO has estimated over 100 bills directly or indirectly address the topic. A number of them are specific to climate change and one mentions the role of the University in this regard (see meeting notice below).

Legislative Notice of March 13, 2019 Hearing



Forest Climate Change Initiative (FCCI)

- How to get involved with FCCI?
 - Sign up for the newsletter
- Send us materials for the newsletter
- Write up a feature on your research or current students (we can help with that)
- Contact us with ideas or feedback



Forest Climate Change Initiative (FCCI)

- What's next with FCCI?
 - Continue to refine website
 - Develop communication materials
 - Identify research priorities
 - Write tech reports and bulletins
 - Coordinate and support research proposals

Acknowledgements

- Maine Economic Innovation Fund
- University of Maine's Vice President of Research Office
- Meg Fergusson (CRSF Communications Coordinator)
- FCCI Advisory Committee
 - Adam Daigneault
 - Dan Hayes
 - Ivan Fernandez
 - Jay Wason
 - Nick Fisichelli
 - Sarah Nelson
 - Sandra De Urioste-Stone

Question/Comments

Center for Research on Sustainable Forests

5755 Nutting Hall, Room 263

Orono, ME 04469-5755

Tel: 207.581.3794

Fax: 207.581.2833

crsf@maine.edu

<https://crsf.umaine.edu/forest-climate-change-initiative/>

