
Climate Smart Faculty Positions (2)

School of Natural Resource Sciences

North Dakota State University

Fargo, ND | Fall 2021



Tenure-Track Faculty Positions:

Climate Smart Approaches in Agriculture

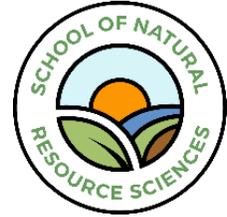
Climate Smart Approaches in Native Systems – Applied Ecologist

NDSU NORTH DAKOTA
STATE UNIVERSITY

North Dakota State University and the School of Natural Resource Sciences (SNRS)

NDSU has a vision to lead the advancement of our land-grant ideals through innovative education, research, and outreach. Our current enrollment totals over 12,000 students, including nearly 2,000 graduate students, and we have almost 6,000 employees.

The SNRS is a multi-disciplinary unit exploring entomology, natural resources management, rangeland science, and soil science. We work in collaboration to address research that can improve the livelihoods of North Dakota citizens while also contributing to the scientific community. Our faculty do both applied and fundamental research to address the needs of stakeholders in production agriculture to native systems, seeking common ground between the two. Together we are ***discovering and implementing solutions for healthy agriculture and natural resources.***



SNRS has 23 full-time faculty members with diverse expertise. We also have 19 research staff and strong administrative support. Our undergraduate program serves approximately 100 students. Various masters, PhD, and professional graduate programs serve almost 70 graduate students. Facilities available to this position include a state-of-the-art greenhouse complex, laboratory space, and access to field research locations throughout North Dakota, including possible collaborations with seven Research Extension Centers.

Positions

As the human population continues to increase, systems are generally experiencing greater variability in production and provisioning of ecosystem services. Therefore, innovative solutions are needed to mitigate the negative consequences of this variability. Specifically, addressing these challenges is going to be increasingly paramount to the stakeholders of North Dakota. To help meet these needs and given our multi-disciplinary approach to serving many types of North Dakota stakeholders, we are formally conducting a team hire with an overall focus on ***climate smart approaches in native and production systems***. Our goal is to attain (1) a faculty member focused on climate smart agricultural approaches in production systems and (2) a second faculty member who has skills as an applied ecologist that will focus on climate smart approaches in natural ecosystems. Each successful candidate will develop a collaborative, multi-disciplinary, and externally-funded research program focused on developing solution-based approaches for stakeholders of North Dakota

Climate Smart Approaches in Agriculture

This is a full-time, tenure-track position with a research (80%) and teaching (20%) appointment in the area of *Climate Smart Agriculture*. Building resilient agricultural systems that experience wide-ranging climatic variations is imperative to ensure food security and the continued prosperity of cropping systems and livestock production in North Dakota and the North Central region. Furthermore, *Climate Smart Agriculture* practices present opportunities for producers to benefit from the ecosystem service provisions they provide, and from the marketing of ecosystems services through emerging environmental, social, and corporate governance markets, notably carbon sequestration and carbon marketing.

Climate Smart Approaches in Native Systems—Applied Ecologist

This is a full-time, tenure-track position with a research (75%) and teaching (25%) appointment in the area of *Applied Ecology*. This position is expected to address various aspects of ecological problems resulting from human pressures and its impact on plants, livestock, and/or wildlife populations in native ecosystems. This could include, but is not limited to pressures from: climate change, anthropogenic impacts on ecosystem service provisioning, landcover change, or energy development. Special consideration will be given to those with expertise in and/or collaborations with entomology, natural resource management, rangeland ecology, or soil science.



Minimum Education and Qualifications

- A doctorate in a field or closely related to a discipline of the SNRS (Soil Science, Natural Resources, Entomology, Range Science).
- Evidence of relevant scholarly contributions.
- Ability to successfully obtain external research funding.
- Excellent interpersonal, organizational, and oral and written communication skills.
- Ability to work closely with a diverse set of collaborators and stakeholders.

Preferred Qualifications

- A commitment to working with diverse stakeholders and student populations and a history of working with underrepresented groups.
- Published in leading peer-reviewed journals.
- Ability to successfully acquire funding to support research.
- Ability and commitment to communicating research and translating it effectively to our stakeholders and other diverse audiences.
- High-level quantitative research skills.
- History of successful collaborations.
- Experience teaching at the undergraduate or graduate level.
- Successful mentoring and/or management of students, technicians, or others.
- Service to discipline or university, including engagement with professional societies.

How to Apply

The position is open until filled. For full consideration, application screening will begin on 19 November 2021. Application materials must include:

- Cover letter addressing each of the minimum and preferred qualifications
- Complete Curriculum Vitae
- A research plan (maximum 3 pages) that includes how the applicant's experience and research philosophy will allow them to establish a successful research program in North Dakota, ideas for existing or potential funding, and areas of potential collaboration
- A teaching philosophy (maximum 2 pages)
- Three professional references with contact information

Please direct questions or nominations to:

Dr. Mark Boetel | mark.boetel@ndsu.edu | (701) 231-7901 for the agriculture search

Dr. Torre Hovick | torre.hovick@ndsu.edu | (701) 219-3086 for the applied ecology search.

Applicants must submit all materials through the NDSU Human Resources portal:

<https://www.ndsu.edu/employment/>

Job ID [2936711](#) for the agriculture search

Job ID [2936713](#) for the applied ecology search

About NDSU

NDSU is listed at 95 among 404 public universities based on the university's research expenditures reported to the National Science Foundation. In addition, NDSU is listed in the National Science Foundation's top 100 in several areas, including: agricultural sciences; business management and business; communications; materials science; natural resources and conservation science; social sciences; sociology, demography, and population studies; and visual and performing arts. The main campus is in Fargo, North Dakota, with Extension Service and Research Experiment Station locations across the state.



About Fargo and North Dakota

We're located on the eastern edge of North Dakota in Fargo, the state's largest city. Together with its sister city, Moorhead, Minnesota, directly across the Red River, Fargo forms one of the largest metropolitan centers between Minneapolis and Seattle. The Fargo-Moorhead area is consistently ranked as one of the best places to live because of its metropolitan population of nearly 220,000 which combines small-town friendliness with the cultural offerings of a large city. We also have a community that is safe and easy to get around in while also being a growing hub for economic development that provides ample job opportunities.

For more information: https://www.ndsu.edu/admission/explore_ndsu/fargo_moorhead
