Every problem has a solution.
Finding it is just a matter of where and how you look.

At CFANS, our unique collaborative approach helps us unearth hidden, but obvious, solutions to critical problems.
CFANS sees what others can’t.

And when it comes to climate change, we leave no leaf unturned.

What does it mean to have a changing climate? CFANS scientists address a wide array of questions: How might climate change affect terrestrial ecosystems? How can we use data and models to better understand atmospheric processes and predict effects of future climate change? What will climate change do to agricultural productivity in Minnesota and around the globe?

A Climate Turned Upside Down

Minnesota may be famous for its weather, but its climate is even more important. The state’s location at the junction of three great ecosystems of North America—prairie, boreal forest, and eastern broadleaf forest—mean that conditions here are particularly sensitive to local changes and can also act as bellwethers for the rest of our continent. By pairing CFANS’ expertise in forestry, agriculture and policy, we can conduct simulations and field experiments that help predict how Minnesota’s forests and fields might change in the coming decades. Because of that work, our state is better prepared, both economically and environmentally, for accelerated climate change.

Want to know more? z.umn.edu/CFANSTreesClimate

Every corner of Minnesota has been getting warmer over the past century.

In Minnesota, our climate has migrated 70 miles north in the past 50 years, and may migrate 125-250 miles further north in the next 50 years.