The Robert B. Daugherity Water for Food Institute at the University of Nebraska is proud to partner with the Food and Agriculture Organization of the United Nations to conduct research and expand educational efforts in water and food security. Initial efforts will focus on three areas:

**Sustainably increase crop yields and water productivity** using mapping, modeling and information systems. NU’s new Global Yield Gap Atlas estimates the gap between current average farm yields and the potential yield ceiling for major food crops. The Atlas will complement AQUASTAT, FAO’s global information system on water and agriculture.

**Improve drought management and climate adaptation** through drought monitoring programs, risk-based drought preparedness strategies and policies, and stronger drought warning systems.

**Improve sustainable production under drought, stress and water-limited conditions** through plant breeding, agronomic practices, crop physiology, biotechnology and molecular biology and, ultimately, through effective dissemination of new knowledge for application by farmers and others.
The University of Nebraska and the Food and Agriculture Organization of the United Nations are partners in research and education efforts in water and food security. The two organizations seek to contribute to global capacity building and progress through knowledge and technology development, the education of professionals in water management and policy, and human capital development in the water sector.

**Initial Planned Activities**

**Information exchange:** Mapping, modeling and information systems to improve agricultural water management.

**Joint projects:** Applied research projects to support evidence-based decision-making in agricultural water management policies and practices and apply them to field programs.

**Joint workshops and symposia:** To complement global meetings convened by FAO and the Water for Food Institute.

**The Partners**

FAO works to achieve global food security so that people have access to enough high-quality food to lead active, healthy lives in both developed and developing countries. FAO helps to raise levels of nutrition, improve agricultural productivity, improve the quality of life in rural populations, and contribute to global economic growth.

The University of Nebraska’s Robert B. Daugherty Water for Food Institute is a research, education and policy analysis institute committed to helping the world efficiently use its limited freshwater resources, with particular focus on ensuring the food supply for current and future generations.