The Daugherty Water for Food Global Institute (DWFI) at the University of Nebraska works to ensure food security with less pressure on our scarce water resources by advancing outcomes through partnerships, research, education and communication efforts.

**AREAS OF FOCUS**

- Closing Water & Agricultural Productivity Gaps
- Management of Agricultural Drought
- Freshwater & Agriculture Ecosystems & Public Health
- Enhancing High-productivity Irrigated Agriculture
- Improving Groundwater Management for Agricultural Production
- Water, Climate and Health

**FOOD DEMAND**

- 40% Population Increase
- 2019: 40% population increase by 2050
- 2050: doubling the demand for food
- X2 Demand for Food

**WATER DEMAND**

- 70% of all freshwater withdrawals are for agriculture

**DWFI NETWORK & KNOWLEDGE SHARING**

- 130+ Faculty Fellows
- 21 Global Fellows
- 5 International Advisory Panel Members
- 10+ Water for Food Global Conferences
- 175+ Partners
- 600+ Research Projects
- 300+ Lead Convener or Co-Convener of Policy Dialogues, Workshops, and Seminars
FEATURED PROJECTS AND COLLABORATIONS

New report on smallholder farmer access to irrigation services in Rwanda

Irrigation services in Rwanda reveal key insights into finding scalable, farmer-led solutions to increase irrigated agriculture. In a new report, “Current state of irrigation-as-a-service for smallholder farmers in Rwanda,” DWFI explores ways smallholder farmers access irrigation when they do not own irrigation equipment, through lending and renting, and how some smallholder farmers become irrigation entrepreneurs.

Learn more » go.unl.edu/IAAS

McCornick and Neale re-elected to World Water Council

The 9th General Assembly of the World Water Council (WWC) re-elected DWFI Executive Director Peter McCornick to the council’s board of governors during its meeting in Paris last December. DWFI Director of Research Christopher Neale was re-elected as an alternate.

The institute will have a supporting role in organizing the 2024 World Water Forum in Bali, Indonesia, and work with our partners to ensure that agriculture and food security is an important part of the conversation. McCornick and Neale have attended the first kick-off meeting for the Forum in Jakarta.

Learn more » worldwatercouncil.org

Water for Food from the Field event

DWFI brought together more than 100 researchers, agtech entrepreneurs, policymakers, producers and others for a “view from the field” event in Western Nebraska. The event aimed to create a space for connections and discussion surrounding water for food at the farm level, and opportunities and implications to our food systems and water resources.

The two-day event focused on how research is applied on the field to conserve water and fertilizer use and increase yield. A local producer hosted the group on his farm located just south of Sutherland, Nebraska, and in the heart of the Ogallala Aquifer. Comprising both irrigated and rain fed farmland, he implements the latest on-farm technology to grow more than a dozen crops.

Programming featured a panel of growers from around the state who shared their experiences, as well as talks by researchers who shared their latest findings with attendees. There were also small group discussions to further form connections around implementing agtech and research.