

WORKING FOR A WATER AND FOOD SECURE WORLD



THE DAUGHERTY
WATER *for* **FOOD**
GLOBAL INSTITUTE
at the University of Nebraska

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



Freshwater & Agriculture Ecosystems & Public Health



Improving Groundwater Management for Agricultural Production



Management of Agricultural Drought



Enhancing High-productivity Irrigated Agriculture



Water, Climate and Health

FOOD DEMAND



2019 ▶▶▶ **2050**
40% population increase by 2050
doubling the 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



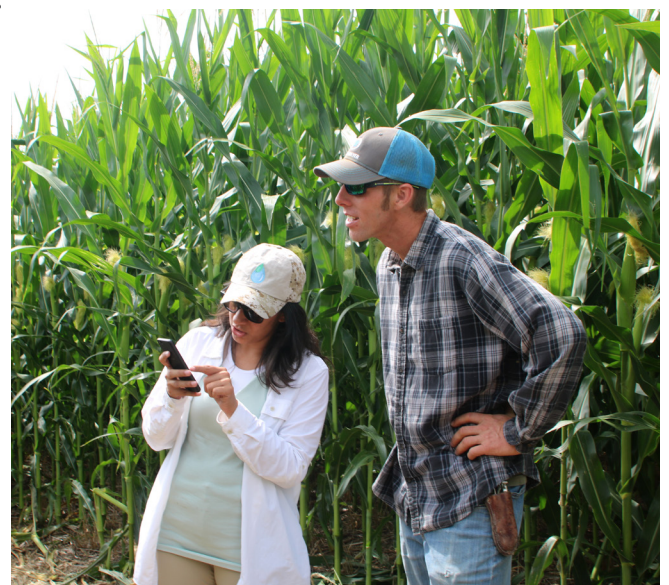
175+
Partners



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.



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