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DROUGHT CENTER ABROAD

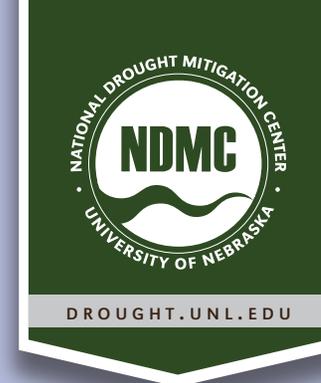
The National Drought Mitigation Center faculty and staff have worked with national and international organizations and countries around the world, providing a variety of services. The map shows where the drought center has collaborated on research, facilitated drought planning, shared technical knowledge, or provided programmatic advice.

Dark blue indicates countries where we worked in 2018, and the lighter blue indicates countries where we worked in the past. Orange circles highlight our top international projects for the year; please see the back for descriptions.



WHAT DOES OUR OUTREACH LOOK LIKE?

NDMC representatives provide a variety of services, including planning, research, outreach and capacity building. Often, our international work means we present what we know; other times we act as a consultant, passing on knowledge or providing the technical training needed for a country to plan for and mitigate drought on their own. Here's a taste of what we did in 2018.*



1 United Nations Convention to Combat Desertification Science-Policy Interface Meeting

Location: Bonn, Germany

NDMC Director Mark Svoboda was an invited expert and traveled to Bonn in February to collaborate with other SPI members in an effort to translate current scientific research into key policy recommendations. He returned in October to continue work on the project.

2 Second "What on Earth" Colloquium

Location: Wellington, New Zealand

Svoboda was invited to speak at the national geospatial conference in March, during which experts discussed how Earth observation technology can impact New Zealand in terms of industry, environment and climate. Svoboda also met with government officials and private sector parties during the visit.

3 World Water Forum 8

Location: Brasilia, Brazil

Svoboda attended the 2018 World Water Forum, a gathering for water experts, water managers and organizations from around the world that are involved with water issues. "Among other aspects, water as a human right to life was discussed, as well as investments in technology and water security, adaptation actions to climate change, water use in agriculture

and energy consumption," according to a WWF recap of the March event.

4 North American Drought Monitor Forum

Location: Calgary, Canada

NDMC staff, including Mark Svoboda, Deborah Bathke, Brian Fuchs, Tsegaye Tadesse and Curtis Riganti, attended the spring meeting, which focused on trilateral advances in the North American Drought Monitor.

5 GlobeDrought Stakeholder Workshop

Location: Bonn, Germany

Assistant Director Kelly Helm Smith represented the NDMC at the GlobeDrought workshop for stakeholders taking place in Bonn, Germany, in May. The GlobeDrought project aims to develop, test and implement a global drought information system for comprehensively characterizing drought events and their impact on water resources, crop productivity, food trade and the need for international food aid. It is one of 12 projects funded under "Global Resource Water (GROW)," part of the German Federal Ministry for Education and Research.

6 International Drought Forum

Location: Daejeon, South Korea

Svoboda gave a keynote talk at the International Asian Drought Forum, which was held during the grand opening of the Korean National Drought Information and

Analysis Center. Svoboda and Jae-Young Park of Korea Water Resources Corporation signed a memorandum of understanding between the National Drought Mitigation Center and K-water following the event. Additionally, Svoboda gave a day-long training workshop on drought early warning and risk management to K-Water staff.

7 Caribbean Ecological Drought Workshop

Location: San Juan, Puerto Rico

NDMC Climatologist Deborah Bathke and Assistant Director Kelly Helm Smith represented the center at this workshop to identify critical drought impacts to island systems. The workshop was co-sponsored by the U.S. Geological Survey's National Climate Change and Wildlife Science Center, the Department of the Interior's Southeast Climate Science Center, and the USDA's Caribbean Climate Hub.

8 International Center for Biosaline Agriculture and U.S. Agency for International Development Workshop

Location: Dubai, United Arab Emirates

Social scientist and NDMC planning coordinator Cody Knutson and former NDMC Director Michael Hayes co-lead a workshop to provide feedback to experts conducting vulnerability assessments in the region as part of a project funded by the ICBA and the USAID. Svoboda visited Dubai later in the year and conducted a high-level drought risk management

policy workshop with the ICBA team and partnering countries to work on a regional drought management system in the Middle East and North Africa.

9 World Water Week

Location: Stockholm, Sweden

Svoboda attended the August event, and participated as part of the center's USAID Middle East North Africa (MENA) project. The theme for the event, organized by the Stockholm International Water Institute (SIWI), was "Water, Ecosystems and Human Development." Svoboda also attended side meetings of the United Nations Convention to Combat Desertification and the World Meteorological Organization's Integrated Drought Management Program meetings while in Stockholm.

10 Ethiopian Space Science & Technology Institute Meetings

Location: Addis Ababa, Ethiopia

NDMC's Tsegaye Tadesse, a climatologist and remote-sensing expert, traveled to Addis Ababa to lead training sessions and participate in the Ethiopian Space Science & Technology Institute's research scientist program meetings in September.

*See map on reverse.