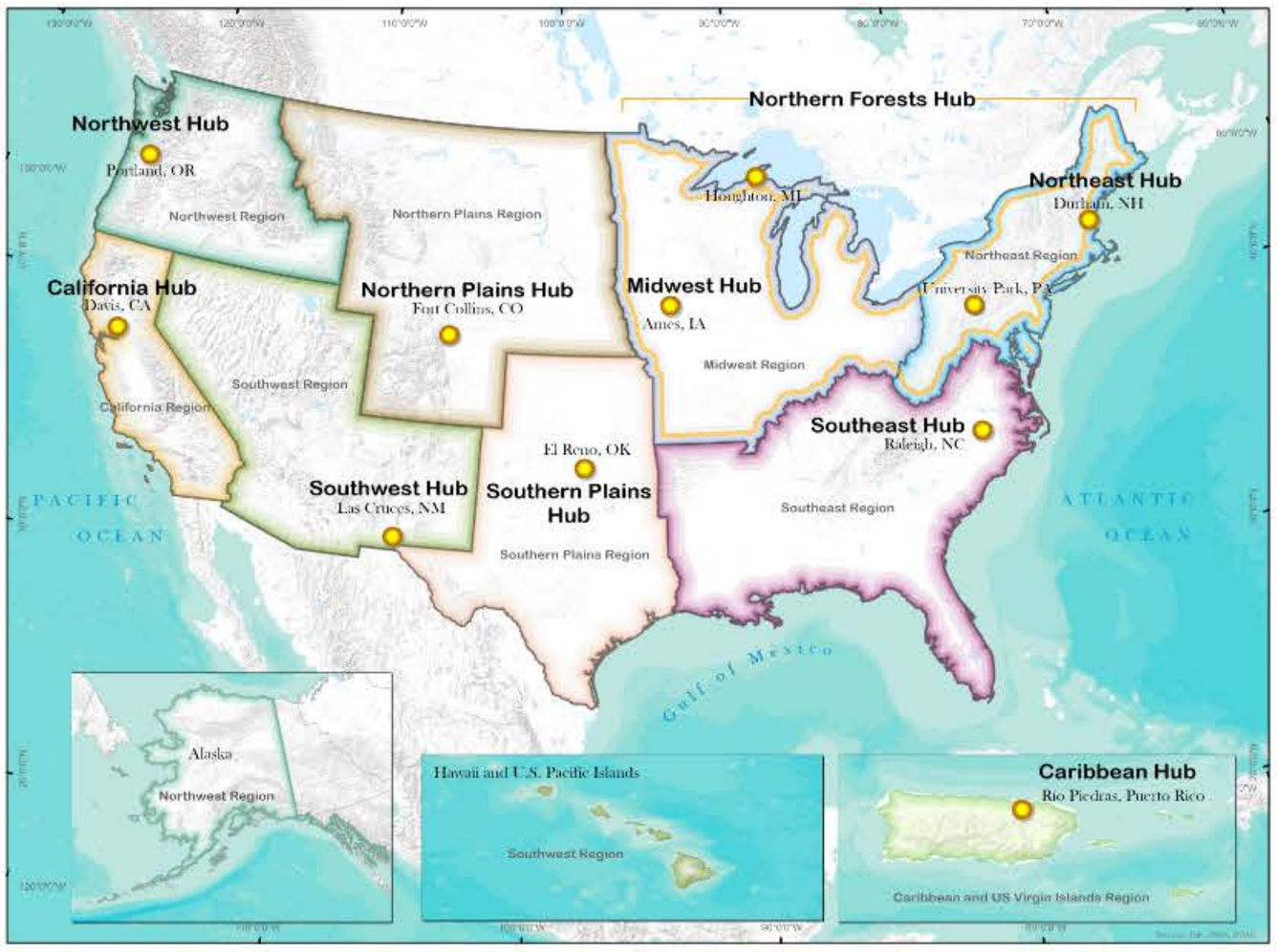
USDA Climate Hubs

U.S. DEPARTMENT OF AGRICULTURE

# AT A GLANCE: 5-YEAR REVIEW ACCOMPLISHMENTS





Map of 10 USDA Regional Climate Hubs

## Science Assessment and Synthesis

The Climate Hubs research and assess key topics such as drought vulnerability, forest and crop resilience, and threats from pest and disease.

Products include climate vulnerability assessments covering all 10 regions of the U.S., 2 special issues in the journal Climatic Change (accessed 88,500 times) and major authorship contributions to the regional chapters of the 4th National Climate Assessment.

## Tools and Technology

The Climate Hubs and their partners develop decision support tools to help track and respond to climate variability and its impacts.

The Climate Hubs and their partners have developed 25 web-based tools. These include Grass-Cast, a rangeland grazing forecast system, and the AgRisk Viewer, which provides visually accessible crop insurance loss data.

## Outreach and Education

The Climate Hubs convene, educate, and support their stakeholders through in- person events, virtual platforms, and publications.

The Climate Hubs and their partners hosted over 435 in-person events including workshops and field demonstrations, training and engaging over 16,000 stakeholders in critical climate issues and adaptation opportunities.

## Extreme Events and Disasters

The Climate Hubs have provided essential information for disaster and extreme event preparedness and recovery. The regional Hubs have been key partners in implementing disaster preparedness or post-disaster assessments for Hurricanes Dorian, Harvey, Irma, Maria Southern Plains and California wildfires, and Midwest and Northern Plains drought, early freezes, and flooding. The Hubs have partnered with federal, state, and local agencies to accomplish this work.

## Digitial Outreach and Education

The Climate Hubs and their partners provided technical expertise to approximately 17,000 people through more than 237 webinars, podcasts, and other digital forms of communication.

## Web Content

Since the launch of its new website in September 2017, www.climatehubs.usda.gov has received over 238,600 page visits.

The Climate Hubs Twitter handle @USDAClimateHubs has over 3,900 followers and 251.1k  impressions over the last three months.

## Partnerships

The Climate Hubs have developed collaborative partnerships across USDA science and program agencies , other federal agencies, universities and extension, state and local governments, non-governmental organizations, etc.

**1100**

## Publications

The Climate Hubs participated in the publication of over 410 peer-reviewed publications and 690 pieces of grey literature including white papers, brochures, fact sheets, two-pagers, and blogs.

## Presentations

Over1200 formal and informal presentations were made by Climate Hubs staff speaking  at conferences and meetings and by taking the lead in organizing panels, and providing information at booths.

### National Drought Mitigation Center

The Climate Hubs andthe National Drought Mitigation Center maintain a robust partnership. Between October 2018 and July 2019, they organized seven workshops to familiarize USDA field offices with the U.S. Drought Monitor so they may better inform the public on their eligibility for assistance during times of drought. 80 USDA employees from NRCS, FS, ARS, FSA, RMA, OCE, and RD participated in these workshops.

## Youth Engagement

To engage in education and outreach, the Climate Hubs organized over 50 events specifically aimed at youth. Through these events, an estimated 15,000 people under the age of 18 were exposed to climate topics.

## Workforce Development

The Climate Hubs developed 36 pieces of formal curricula aimed at a variety of learners including USDA staff, producers, foresters, other land managers and K-12. These lessons will reach over 17,000 students.

## Tribal

The Climate Hubs engaged in education and outreach  with Native American producers, Tribal and Inter-Tribal councils, and the Bureau of Indian Affairs at over 100 events and meetings.

## International

The Climate Hubs provided technical assistance to 36 countries. This support came in the form of workshops, curricula, webinars, published materials, lectures, and pilot programming.