

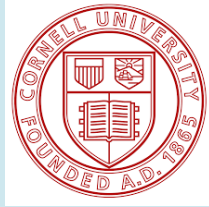


Celebrating 40 Years of the Regional Climate Center Program

Alison Tarter,
Southern Regional Climate Center

RCC 40th Anniversary Committee: Daniel Brouillette, Tim Brown, Arthur Degaetano, Tami Houston, Dan McEvoy, Austin Pearson, Gannon Rush, William Schmitz, Alison Tarter, and Natalie Umphlett

Early 1980s ->
Agricultural
Demonstration
Projects



Northeast – Cornell University



Northcentral - Illinois State Water
Survey/University of Illinois
Urbana-Champaign



University of Nebraska-Lincoln

Successful Demonstration

1983

The first Regional
Climate Center
formally established

- Understand unique regional vulnerabilities and local climate-related needs

Climate services
work at a regional
level

- Analyze local climate data and relay findings quickly

Development of
tools for decision-
making

- Work with public and private partners and stakeholders of *all* sectors

Climate Information and Service Delivery



Data Infrastructure
NOAA and Non-NOAA Data



Applied Research, Outreach, and
Operational Services

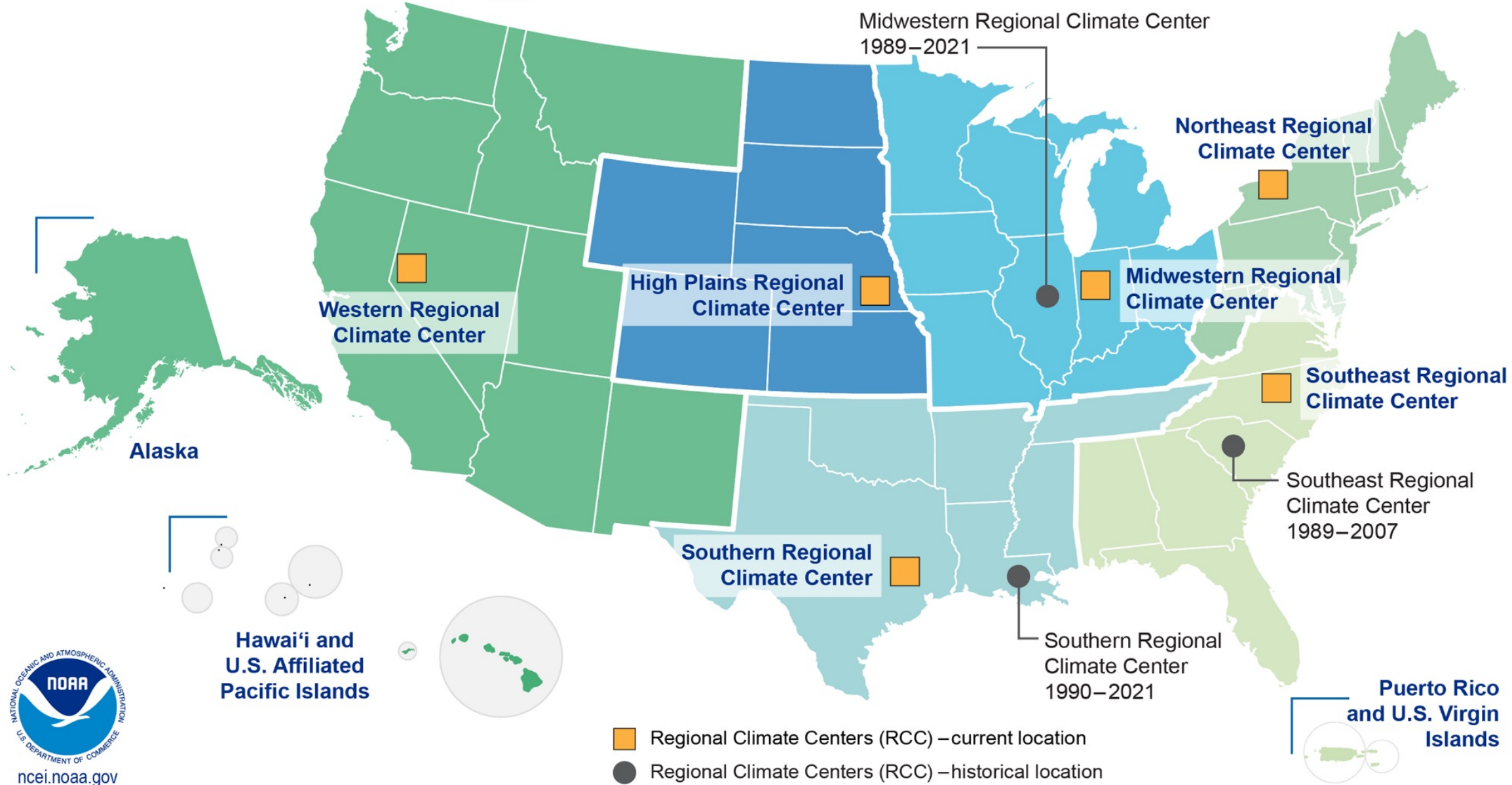


Covering all 50 states and U.S.
Territories



National Centers for Environmental Information

U.S. Regional Climate Centers





Northeast Regional Climate Center

Thematic Focus:

- Water Resources & Critical Infrastructure
 - Stormwater management and design
 - Transportation
- Resiliency to Extreme Events
 - Drought early warning
 - Climate and hazard mitigation planning



Photo: Jessica Spaccio, NRCC 2020



MIRCC

Midwestern Regional
Climate Center

Thematic Focus:

- Agriculture
 - Regional Mesonet Program (RMP)
 - Freeze Date Tool
- Water Resources
 - Flash Drought Tool





Thematic Focus:

- Water Resources & Costal Resilience
 - Transportation Safety
 - Roadway Flood Alerts
 - Inland Waterways - Shipping
 - Storm Surge Tracker





HIGH PLAINS
REGIONAL CLIMATE CENTER

Thematic Focus:

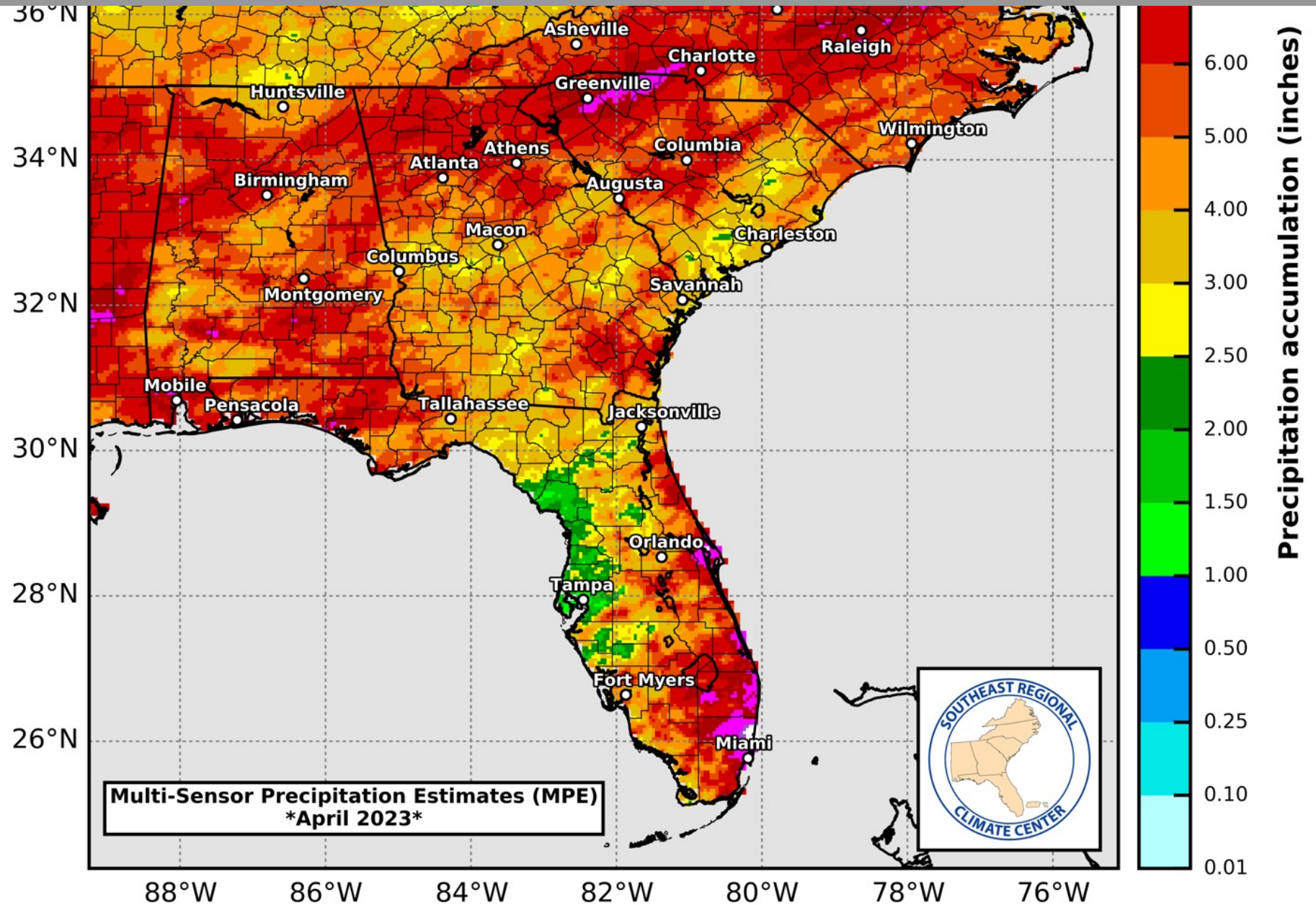
- Water Resources and Agriculture
 - VegDRI, VegOut, and QuickDRI
 - Automated Weather Data Network - Mesonets





Thematic Focus:

- Inland and Coastal Resiliency
- Public Health (Heat and Cold Events)
 - Wet Bulb Globe Temperature (WBGT) Prediction Tool





Thematic Focus:

- Water Resources
- Coastal and Ocean Resources
 - Sea Level Rise
 - Coastal Inundation
- Wildland Fire

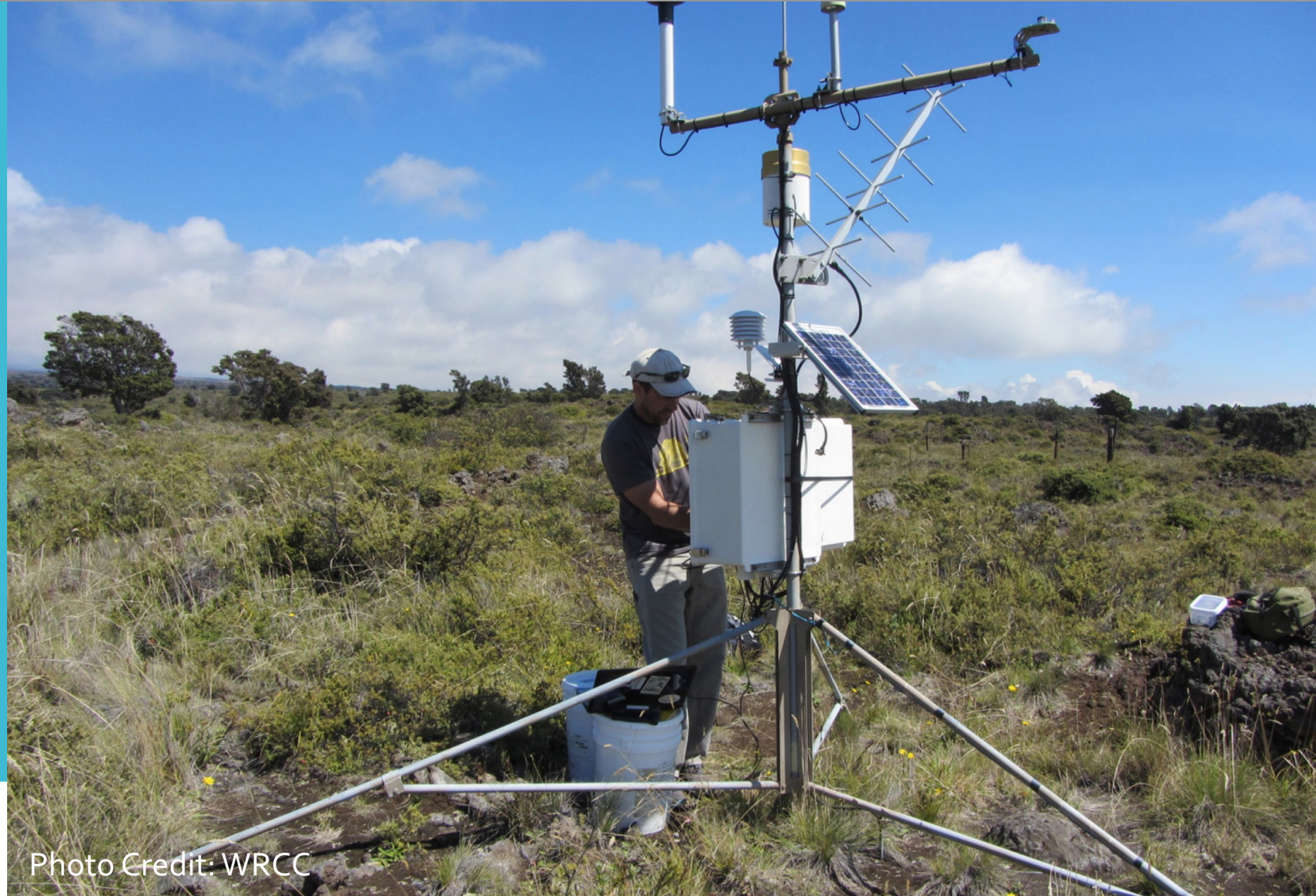
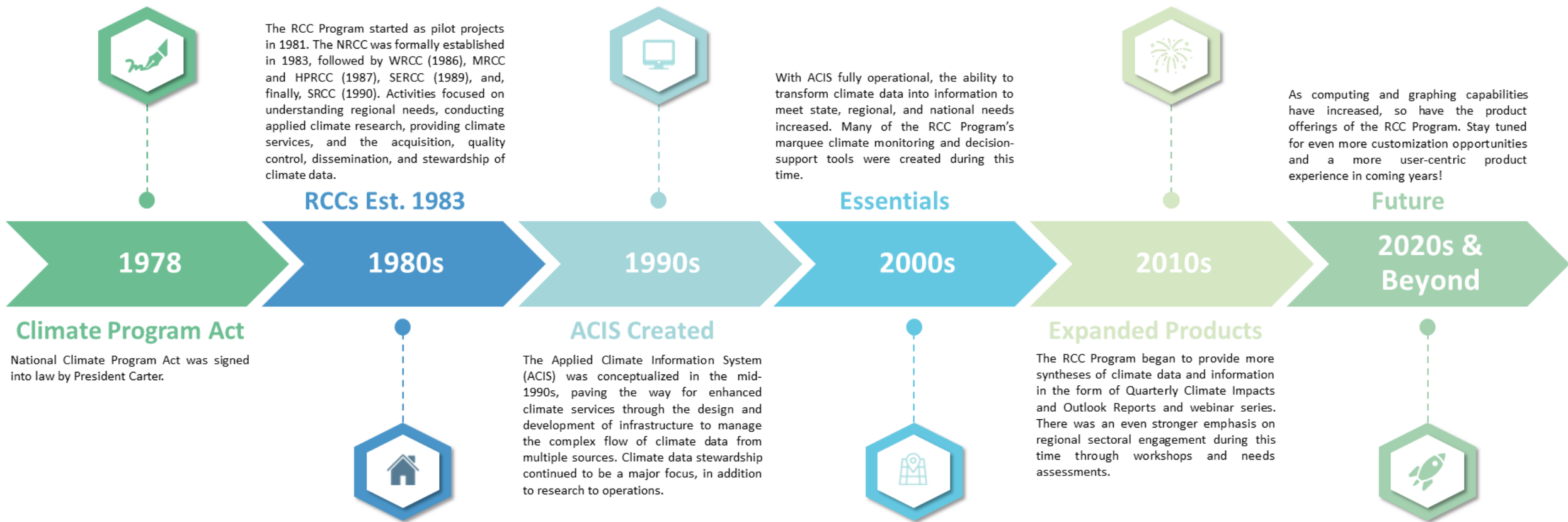


Photo Credit: WRCC



Live interactive timeline: <https://www.srcc.tamu.edu/>

RCC Program -> Looking Forward



Strengthen relationships with regional partners and stakeholders



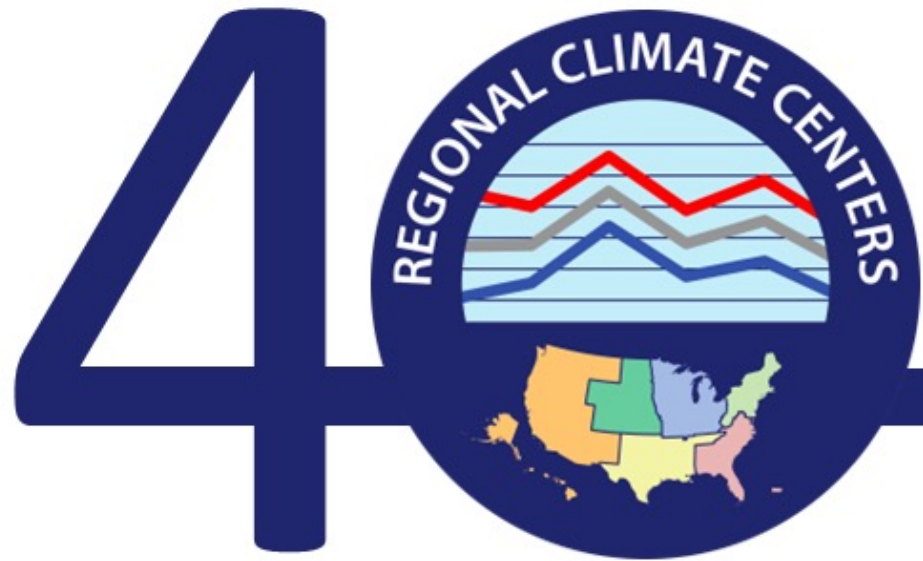
Continuous integration of additional data sources



Enhancement of existing products and services



Continue to develop and deliver innovative user-centric tools



Turning Data into Information for 40 Years