

NOAA Regional Climate Centers

*Products and Service Development
Driven by Customers and Partners*

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Steve Hilberg	Midwest Regional Climate Center
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Regional Climate Center Elements

Data Management

- Data Ingest
- National and regional data
- Data products
- Information delivery
- Custom interfaces
- Data stewardship

Climate Service

- Direct interaction with diverse clientele
- Regional-based expertise
- Customer directed approach
- Education and training

Applied Research and Development

- Driven by regional demand
- Service development focus
- External support funding
- Carnegie Research I Universities

Defining Characteristic: *Operational Focus*

Data Management

- 24 / 7 / 365 requirements
- Driven by service needs

Customer Service

- Direct daily contact
- 24 / 7 / 365 web services

Research / Development

- Driven by service needs
- Transition to operations

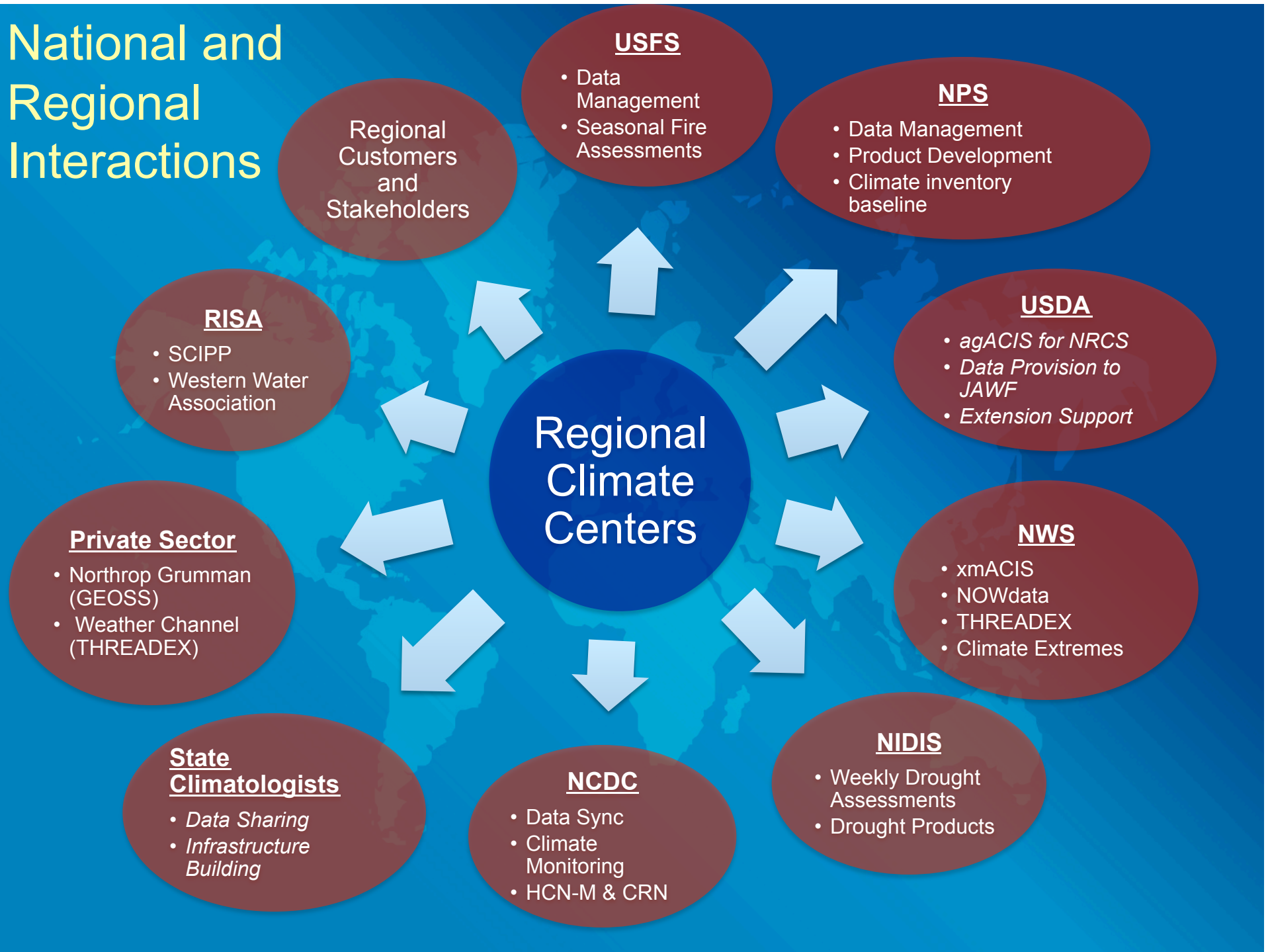


Applied Climate Information System
NOAA Regional Climate Centers

National ♦ Regional ♦ State

- System of integrated components
 - Historical and near real-time data from NOAA and non-NOAA climate observation networks
 - Data ingest and management
 - Data access and analysis
 - Value-added climate data products
- Available at *all* RCCs – Consistent data products
 - Data are **synchronized** at all RCCs and NCDC
 - Near real-time data to NCDC
 - Historical data from NCDC to RCCs

National and Regional Interactions



RCC Operational Successes

xmACIS

climate products for NWS

scACIS

climate products for AASC



NOWdata

public climate products for NWS

Weather Coder III

Web-based climate data entry for NWS and NCDC

agACIS

Climate products for USDA/NRCS

THREADEX

Urban extremes for NWS and Weather Channel

Datzilla

NOAA error reporting and tracking

Data management for NPS and USFS climate observation networks

Northrop Grumman

climate products for GEOSS

Daily data for soil moisture models (RISA)

*Climate Monitoring
Regional support to NIDIS, NCDC and other State and Federal agencies*

RCC Operational Models

Integrated pest management, water management, soil moisture, wildfires, crop growth and management, West Nile Virus, and others...