# Projected impacts in the U.S.

To limit these climate change impacts we must cut emissions of heat-trapping gases and build resilience

**ENTIRE CONTINENTAL** U.S.



Yields, quality of major crops (grains, dairy, livestock) may decline, affecting food security



Ecosystems vulnerable to wildfires, heat, droughts, infestations, storms, sea level rise



Aging infrstructure, roads, bridges can be vulnerable to extreme events

May see decreases in water quality, supplies for urban areas, irrigation, and increases in urban drainage flooding, inflitration



**Coastal flooding could threaten** infrastructure, sewage collection systems



Warming may affect pollen season, disease vectors may extend ranges

# **NORTHWEST**



May be decreases in productivity, soil moisture, water availbility for crops



Ocean acification and warming will decrease corals and cause bleaching



Salmon may decline considerably



Forest fires can lead to cardiac and respiratory diseases, and sickness



May see increased drought and decreased hydropower generation





Reduced soil moisture and water availability may negatively affect crops



Forest fires can lead to cardiac and respiratory diseases, and sickness



Increased drought will decrease water availability

## **MIDWEST**



Reduced water could affect agriculture and food security



Hydropower generation may decrease in Great Lakes region

#### **CENTRAL**



Extreme heat, droughts, storms may adversely affect productivity



Projected to be among the globe's



Great Plains identified as one of four global future vulnerability hotspots for

water availability

regions of highest risk of heat stress

#### **NORTHEAST**



Rising sea levels will contribute to increased storm intensities, damage, and salt water intrusion, and potentially lower stream-flows



Lost snowpack storage may affect water supply systems

### **SOUTHEAST**



Corn and wheat production may be negatively affected



Many coastal plants could be threatened by inundation, erosion and salinity levels



A few feet of sea level rise with a strong storm surge could inundate over half of the highways, rail lines in U.S. Gulf Coast



Water supply systems can be negatively impacted by decreased snowpacks









AGRICULTURE, LIVESTOCK, FISHERIES, FOOD PRODUCTION AND SECURITY, LAND-USE CHANGE, FORESTRY



**COASTAL AND MARINE SYSTEMS, SEA LEVEL RISE, INUNDATION, SHORELINE CHANGE** 



**ECOSYSTEMS AND BIODIVERSITY** 



**HUMAN HEALTH** 



SETTLEMENTS, INDUSTRY, INFRASTRUCTURE, **URBANIZATION, PRODUCTION SYSTEMS, ECONOMICS** 



WATER RESOURCES, AVAILABILITY, AND SECURITY