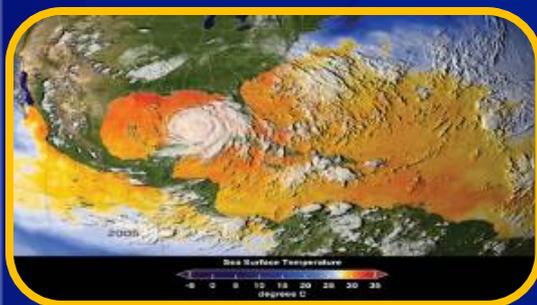


Data, Resources, and Technical Guidance in Support of Adaptation to Climate Change

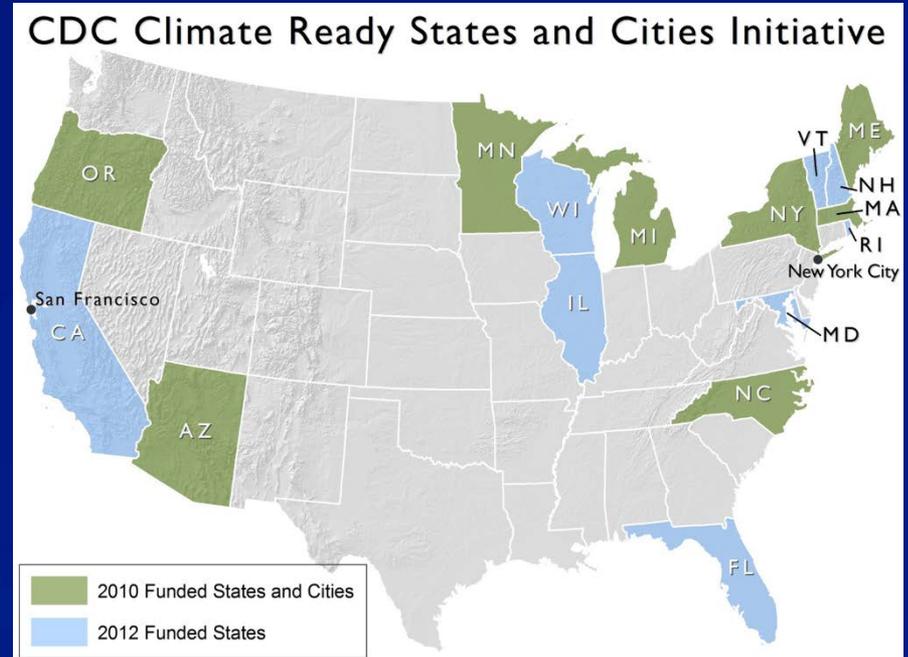


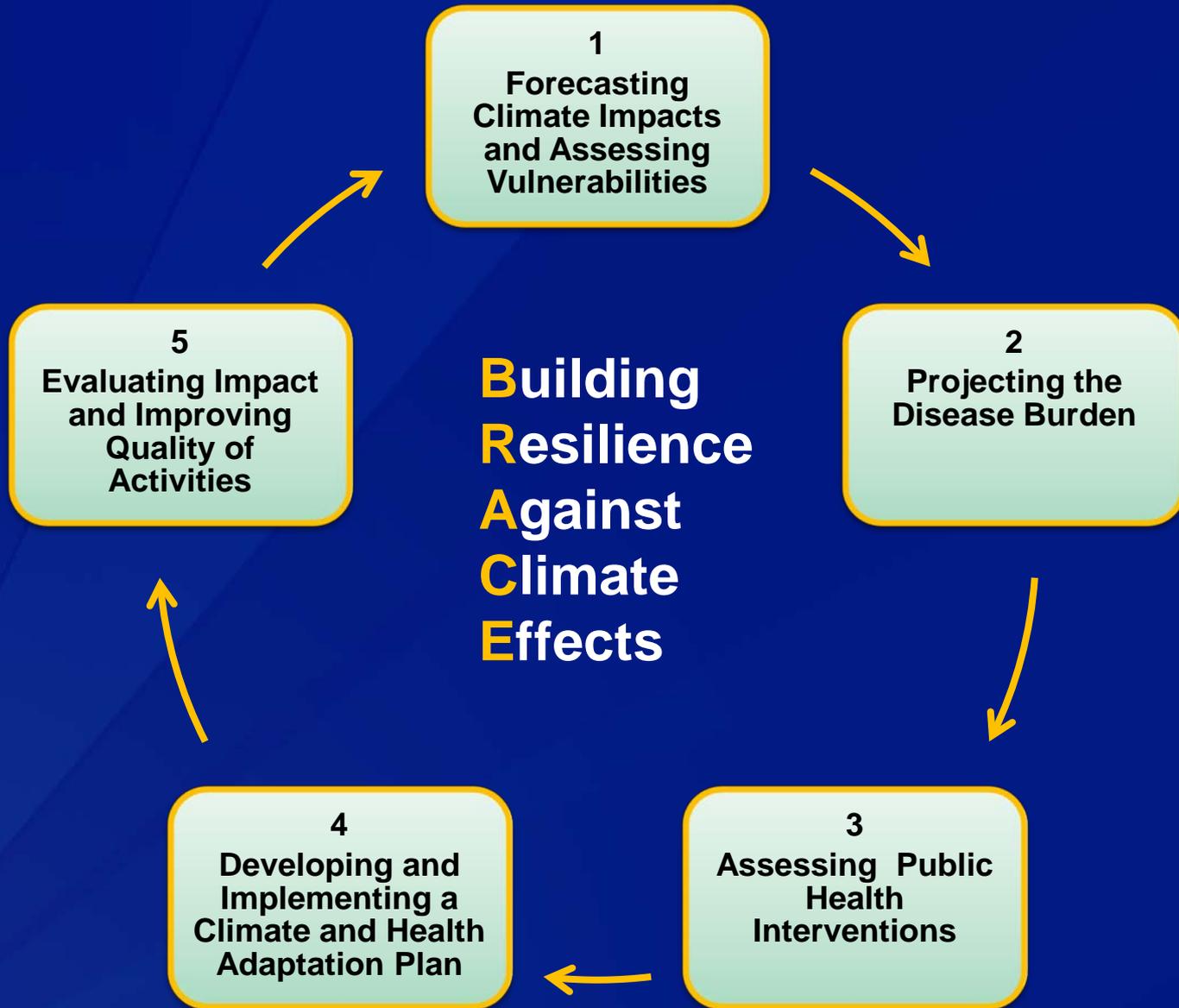
George Luber, PhD

**Chief,
Climate and Health Program
National Center for Environmental Health
Centers for Disease Control and Prevention**

CDC's Climate-Ready States and Cities Initiative

- CDC's effort to enhance capacity of state and local health agencies to deal with health challenges associated with climate change
- CDC accomplishes this by:
 - Funding 18 state and local health departments
 - Providing framework and tools for planning, implementing, and evaluating climate adaptation strategies





BRACE Technical Guidance

Climate Models and the Use of Climate Projections:

A Brief Overview for Health Departments



Climate and Health Technical Report Series
Climate and Health Program, Centers for Disease Control and Prevention

Paul J. Schramm¹, Christopher K. Uejio², Jeremy J. Hess^{3,4*},
Gino D. Marinucci⁵, George Luber⁶

¹Climate and Health Program, Division of Environmental Hazards and Health Effects (DEHHE), National Center for Environmental Health (NCEH), Centers for Disease Control and Prevention (CDC) Atlanta, GA, USA

²Department of Geography, Florida State University, Tallahassee, FL, USA

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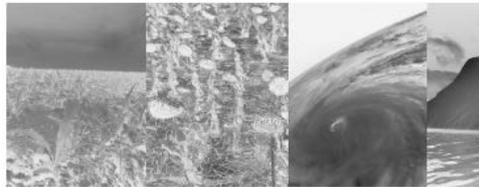
⁴Department of Environmental Health, Rollins School of Public Health, Emory University, Atlanta, GA, USA

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Assessing Health Vulnerability to Climate Change

A Guide for Health Departments



Climate and Health Technical Report Series
Climate and Health Program, Centers for Disease Control and Prevention

Arie Ponce Manangan¹, Christopher K. Uejio², Shubhaya Saha³, Paul J. Schramm⁴,
Gino D. Marinucci⁵, Claudia Langford Brown⁶, Jeremy J. Hess^{3,4*}, George Luber⁶

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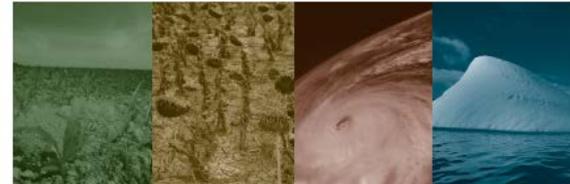
⁴Department of Environmental Health, Rollins School of Public Health, Emory University, Atlanta, GA, USA

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Projecting Climate-Related Disease Burden:

A Guide for Health Departments



Climate and Health Technical Report Series
Climate and Health Program,
Centers for Disease Control and Prevention

Jeremy J. Hess^{1,2*}, Shubhaya Saha³, Paul J. Schramm⁴, Kathryn C. Conlon⁵,
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⁶These authors contributed equally to this work.

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10/2018

Environmental Justice Considerations are Key

Assessing Health Vulnerability to Climate Change

A Guide for Health Departments



Climate and Health Technical Report Series

Climate and Health Program, Centers for Disease Control and Prevention

Arie Ponce Manangan¹, Christopher K. Uejio², Shubhayu Sahai, Paul J. Schramm³,
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DEHHE-1409-A

- ❑ CDC's first guidance on how to assess vulnerable communities to climate change
- ❑ Focus on state and local health departments vulnerability assessments
- ❑ A deliverable to the President's Climate Action Plan

Determine Where Vulnerabilities Exist – Overlay Analysis

□ Sensitivity

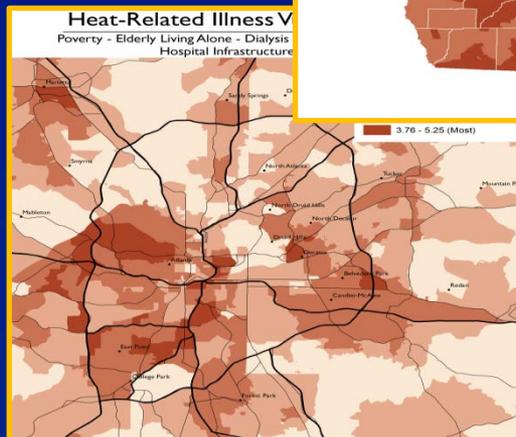
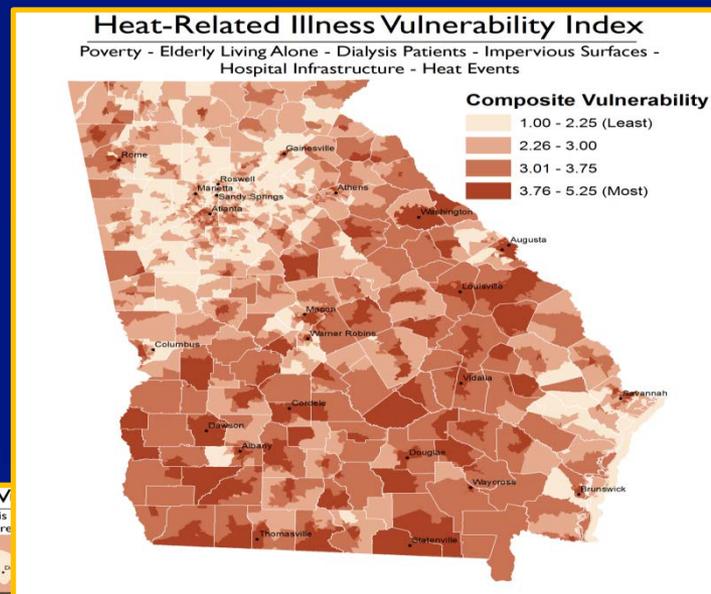
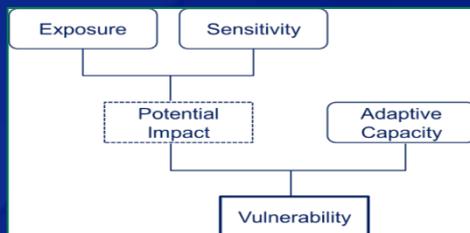
- Poverty (Census Tract)
- Elderly Living Alone (Census Tract)
- Impervious Surfaces (Census Tract)
- Dialysis Patients (ZIP code)

□ Exposure

- Heat Events, >100F Heat Index, 2 days

□ Adaptive Capacity

- Hospital infrastructure (County)



The National Environmental Public Health Tracking Network

* Step 1: Select Your Content ?

Climate Change

Extreme Heat Days and Events

Dates of extreme heat days

Show only data about children



trackingsupport@cdc.gov

* Step 2: Choose Geography & Time ?

One County

Alabama

- Autauga
- Baldwin
- Barbour
- Bibb
- Blount
- Bullock

Show Counties

Clear Geography

2003

2004

2005

2006

2007

2008

2009

2010

Clear Time

Step 3: Advanced Options ?

Advanced Options (Required)

Heat Metric

- Daily Maximum Temperature
- Daily Heat Index

Advanced Options (Select One)

- Absolute Threshold
- Relative Threshold

Clear Options

* Step 4: Submit ?

Run Query

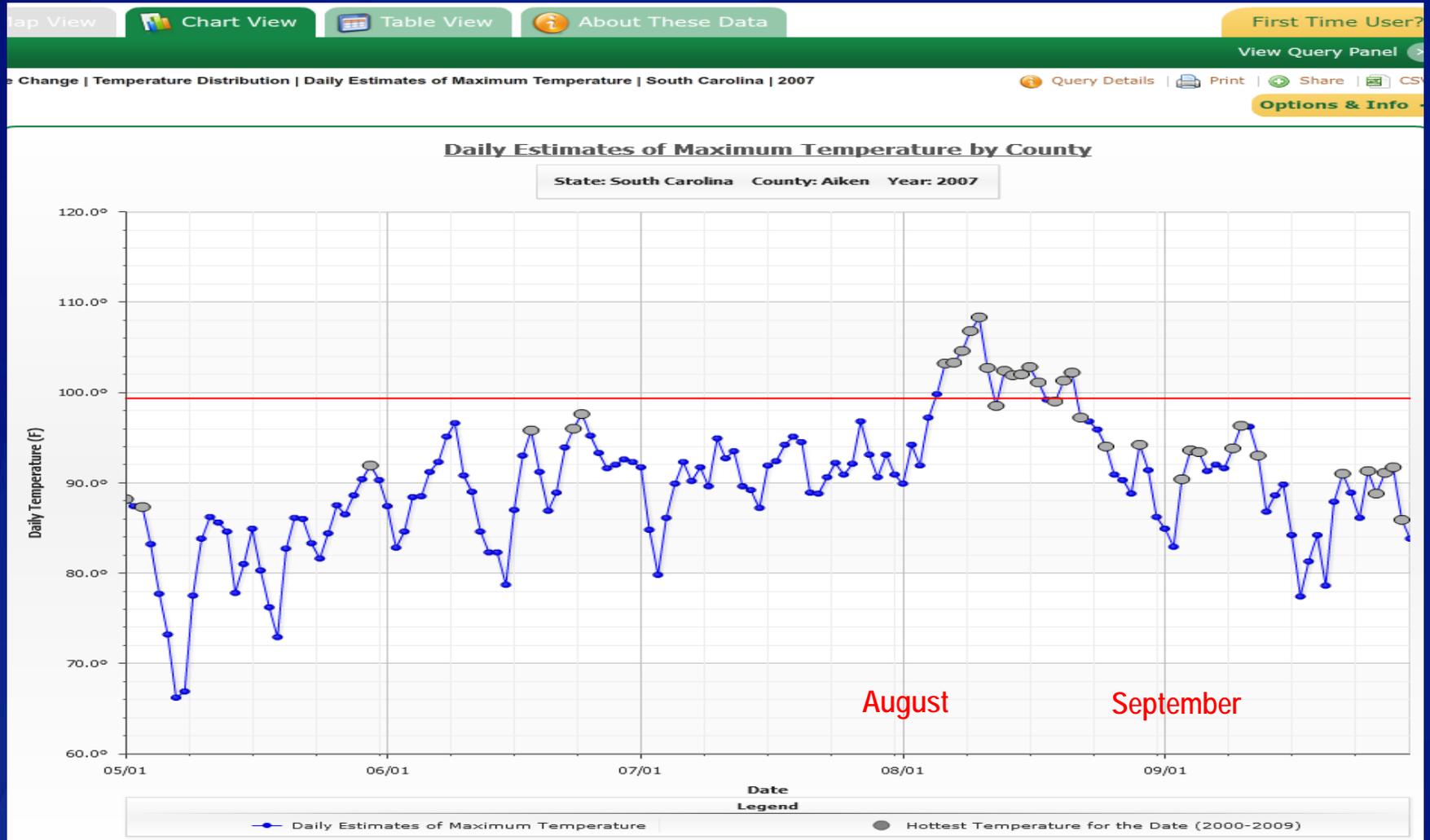
Climate Change | Extreme Heat Days and Events | Dates of extreme heat days | Alabama, Georgia | 2010 | Heat Metric: Daily Maximum Temperature | Relative Threshold: 90th Percentile

The network provides data on:

- Extreme heat days and events
- Heat vulnerability
- Health effects associated with extreme heat

<http://ephtracking.cdc.gov/showHome.action>

Historic temperature data (EPHTN)

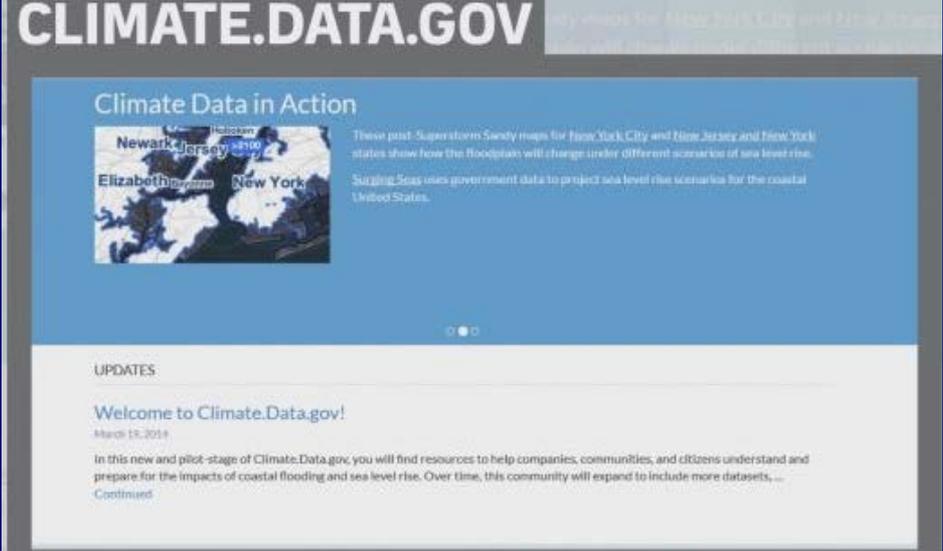


Upcoming data products

- Precipitation
 - EPHT Portal (by county/year)
 - Historical (1979-2012)
 - NLDAS
 - Projected (2020-2099)
 - Eighth degree-CONUS Statistical Asynchronous Regional Regression Daily Downscaled Climate Projections
- Drought
 - U.S. Drought Monitor
 - Weekly snapshot of U.S. counties by 5 drought severity levels

President's Climate Data Initiative

- ❑ Leverages extensive federal climate data to promote innovation and private-sector entrepreneurship in support of national climate-change preparedness



CLIMATE.DATA.GOV By sharing the data, you can help us know more about the climate and the impact of climate change.

Climate Data in Action

Newark, Jersey City, Elizabeth, New York

These post-Superstorm Sandy maps for New York City and New Jersey and New York states show how the floodplains will change under different scenarios of sea level rise. Surging Seas uses government data to project sea level rise scenarios for the coastal United States.

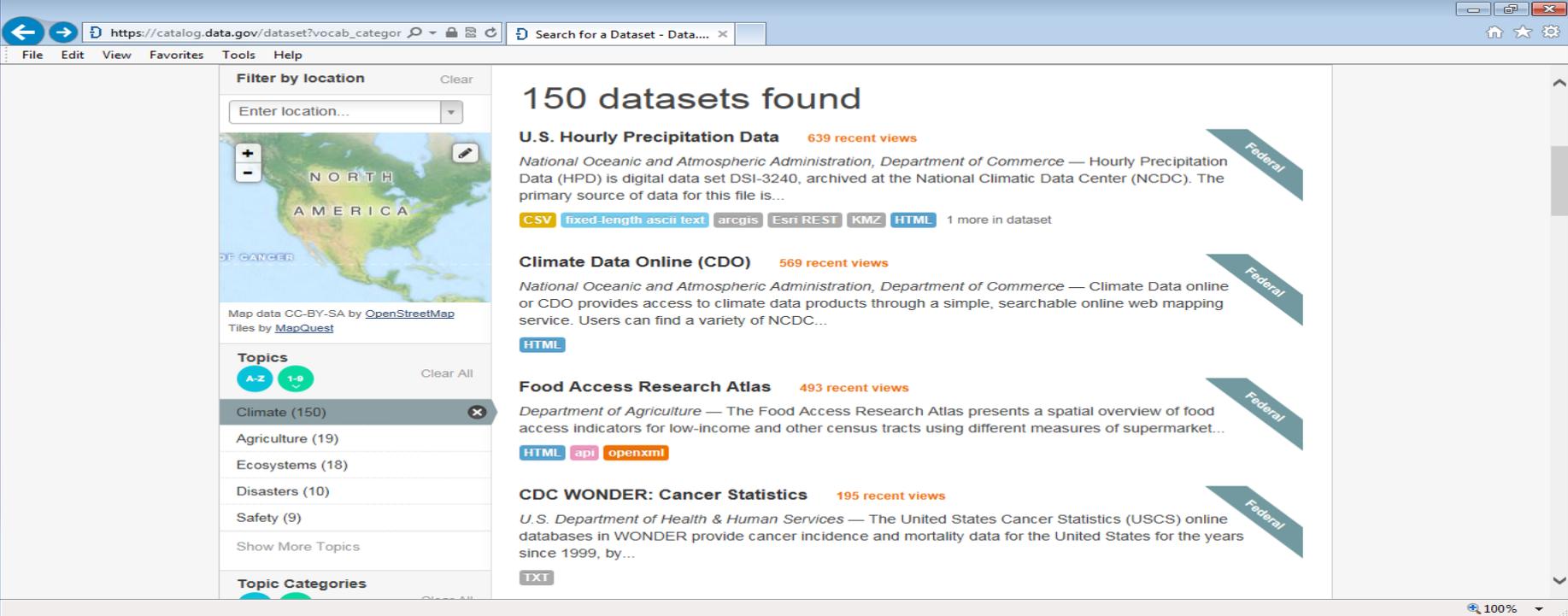
UPDATE

Welcome to Climate.Data.gov!

March 19, 2014

In this new and pilot-stage of Climate.Data.gov, you will find resources to help companies, communities, and citizens understand and prepare for the impacts of coastal flooding and sea level rise. Over time, this community will expand to include more datasets, ...

[Continued](#)



https://catalog.data.gov/dataset?vocab_categor... Search for a Dataset - Data...

File Edit View Favorites Tools Help

Filter by location Clear

Enter location...



Map data CC-BY-SA by OpenStreetMap Tiles by MapQuest

Topics Clear All

- A-Z 1-9
- Climate (150) X
- Agriculture (19)
- Ecosystems (18)
- Disasters (10)
- Safety (9)
- Show More Topics

Topic Categories

150 datasets found

U.S. Hourly Precipitation Data 639 recent views

National Oceanic and Atmospheric Administration, Department of Commerce — Hourly Precipitation Data (HPD) is digital data set DSI-3240, archived at the National Climatic Data Center (NCDC). The primary source of data for this file is...

CSV fixed-length ascii text arcgis Esri REST KMZ HTML 1 more in dataset

Federal

Climate Data Online (CDO) 569 recent views

National Oceanic and Atmospheric Administration, Department of Commerce — Climate Data online or CDO provides access to climate data products through a simple, searchable online web mapping service. Users can find a variety of NCDC...

HTML

Federal

Food Access Research Atlas 493 recent views

Department of Agriculture — The Food Access Research Atlas presents a spatial overview of food access indicators for low-income and other census tracts using different measures of supermarket...

HTML api openxml

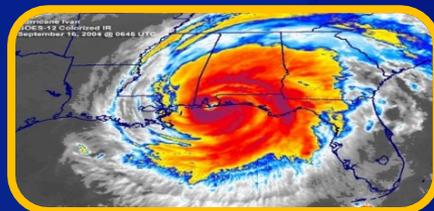
Federal

CDC WONDER: Cancer Statistics 195 recent views

U.S. Department of Health & Human Services — The United States Cancer Statistics (USCS) online databases in WONDER provide cancer incidence and mortality data for the United States for the years since 1999, by...

TXT

Federal



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770-488-3429

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1600 Clifton Road NE, Atlanta, GA 30333

Telephone: 1-800-CDC-INFO (232-4636)/TTY: 1-888-232-6348

E-mail: cdcinfo@cdc.gov Web: <http://www.cdc.gov>

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.

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