The Climate Change Story: Bridging the Gap Between Science & The Public

Bernadette Woods Placky Climate Central September, 2019











Different projects and programs, same mission

Climate change is personal

- Sea Level Rise
- Journalism morphed
- World Weather Attribution
- Research morphed
- Climate Matters
- Climate Matters in the Newsroom

CLIMATE CONTRAL



Climate Matters

TV Meteorologists are in a Unique Position

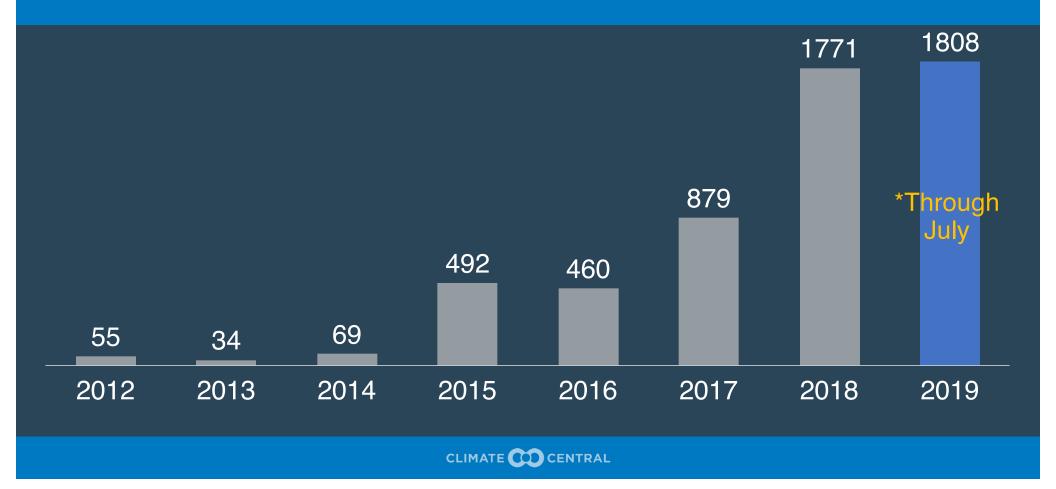
- Trusted messengers
- Large and dedicated audience
- Scientists
- Skilled communicators; locally
- Extreme weather is how most people experience climate change





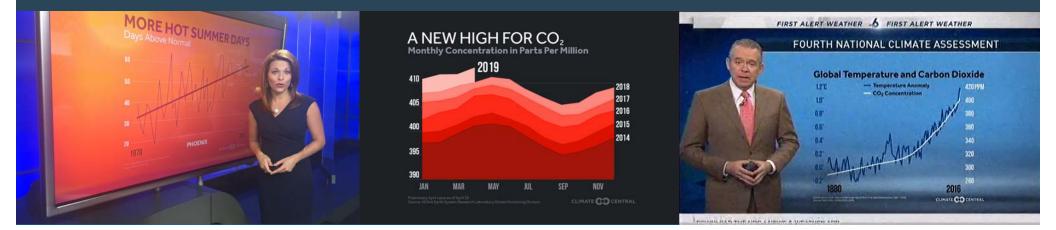
770 TV Mets • 180 Markets • 244 Cities Produced

Yearly TV Hits



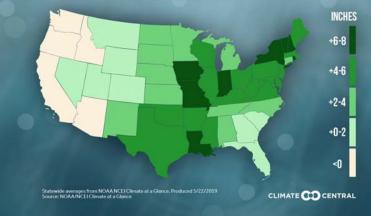
How We Do It

- Focus on the science
- Localize data whenever possible
- Make it simple and clear
- Operate on a news cycle
- Produce content weekly, multiple formats, English & Spanish



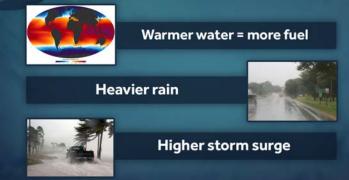


WET GETTING WETTER CHANGE IN ANNUAL RAINFALL SINCE 1950



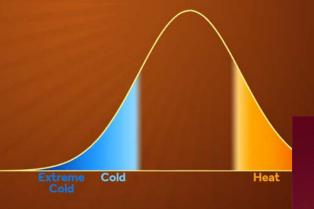
Description of the second seco

HURRICANES & CLIMATE CHANGE What we know



CLIMATE CO CENTRAL

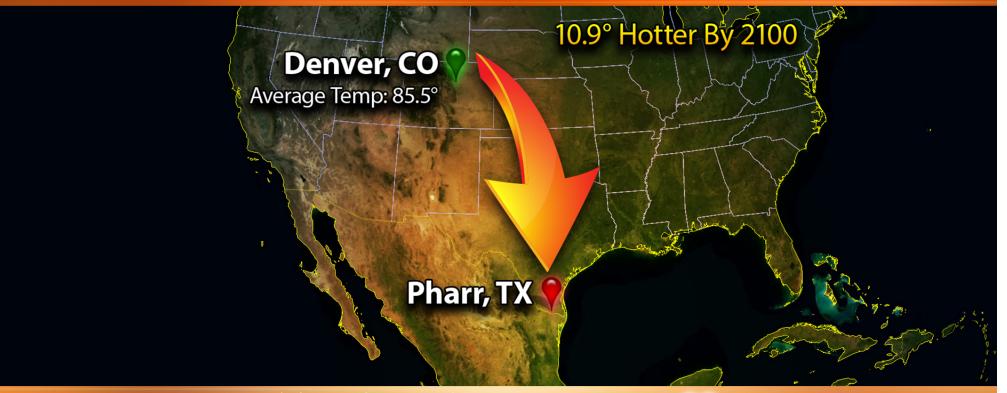
SMALL CHANGE IN AVERAGE BIG CHANGE IN EXTREMES



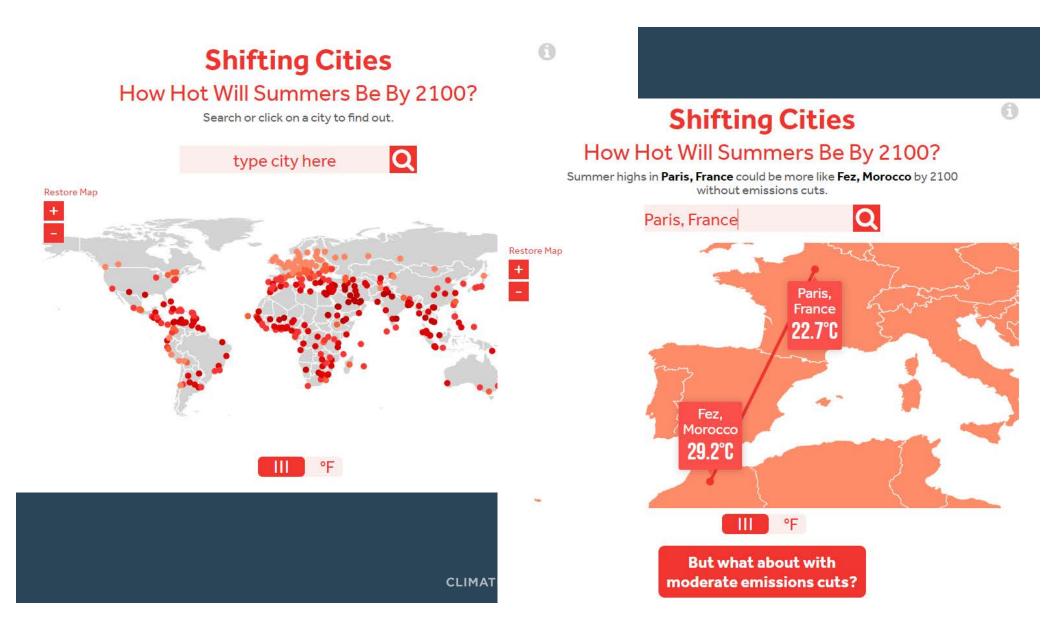
SUMMER 2018 RANKINGS

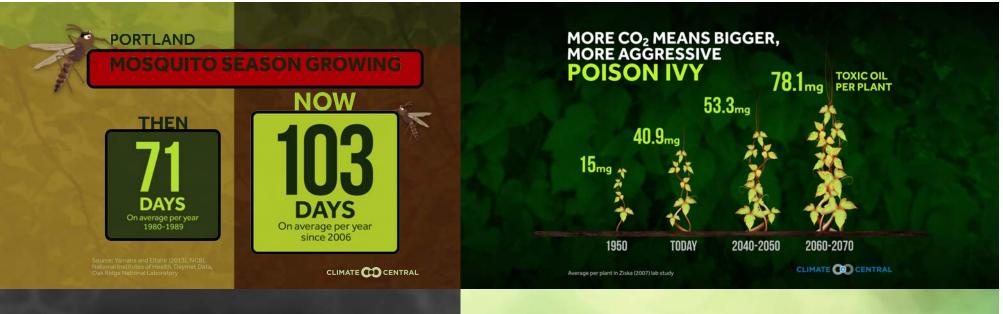


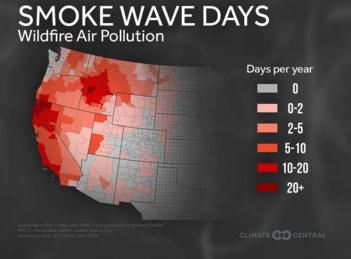
Where Your Summer is Headed



Future summer temperatures based on continuing with current emissions trends. Current temperatures: PRISM Climate Group, Oregon State University, http://prism.oregonstate.edu, accessed July 1, 2014.







LONGER GROWING SEASON = LONGER ALLERGY SEASON





WEATHERPOWER

San Diego CA

Select your market to see wind and solar electricity generation information from yesterday and forecasts for today and tomorrow.

學 SOLAR			
	YESTERDAY	TODAY	TOMORROW
ELECTRICITY GENERATED	6800	6500	6500
W HOMES POWERED	34%	33%	33%
% DAILY COST SAVED	250%	230%	230%
SOLAR POWER INDEX	52	9.1	9.2



¥



- Choose graphic: ^D Wind
- * Solar

Choose background:

- * Wind/solar image
- Black
- Transparent

* Include title

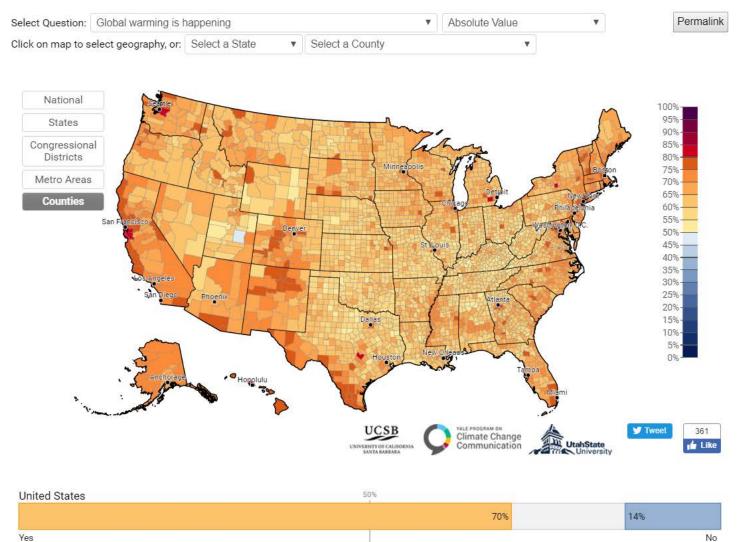
Choose data:

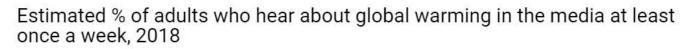
- % Households Powered Regionally (wind only)
- * % Daily Cost Saved (solar only)
- Power Index (0-10 scale)

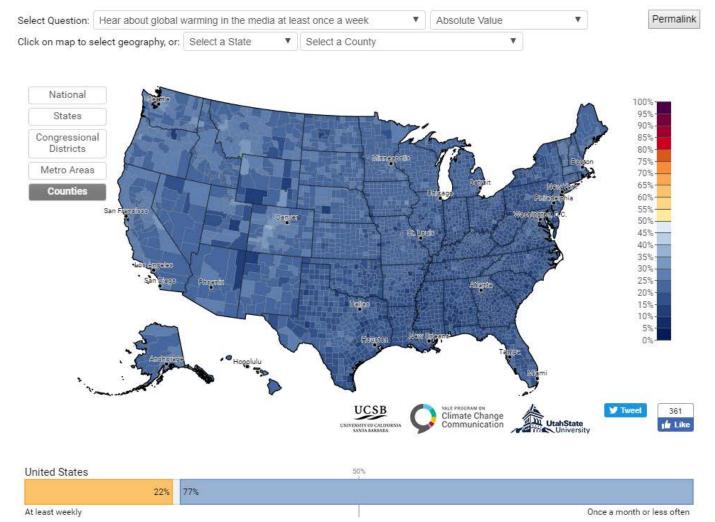
WeatherPower.climatecentral.org

ad Graphic

Estimated % of adults who think global warming is happening, 2018







Climate Matters In The Newsroom





REPORTING BULLETIN: DATA, GRAPHICS & TIPS FOR LOCAL CLIMATE CHANGE COVERAGE

BALTIMORE | August 21, 2019

Extreme heat index days-when heat and humidity make it difficult for the body to gool itself off during workquts-have been increasing in pities scross the country.



KEY CONCEPTS

- On extreme heat index days, outdoor sports and heat can become a dangerous mix.
- B3% of U.S. oties assessed by Climate Central experienced an increase in annual heat index days above 90°F over the past four decades.
- · Dimate change's impact is being felt throughout the world of sports as governing bodies, coaches, and event organizers look to protect athletes and spectators during extreme heat conditions.



LOCAL INTERVIEW SUGGESTIONS

Check in with your state's high across sports association to find out what state-level policies are in place to ensure the safety of students who are playing sports during extreme heat conditions.

Talk to a local race director about challenges for events near you during extreme heat. The Road Runners Club of America has a list of certified race directors who have completed coursework in best practices for running events.

Contact the Koney Stringer Institute to speak with "antbassadors" from around the country who have personal stories regarding heat exertional illness.

The SoLine service, 500 Women Scientists or the press offices of local universities may be able to connect you with local scientists with expertise in heat and sports.

NATIONAL INTERVIEW SUGGESTIONS





Kratna Dehl

Senior Climate Sciential, Uttoni of Concern

Douglas J Case, PHD, ATC, FNAK, FACSN, FNALA

(CEO, Kning Statute multility Profession Department of Kineseology Unactor, Athenic Training Education, University of Connectical 1-880-488-3824



Scientifiels: Co-Autton Killer Heat in the United Silveres: Chronics Churches send the Public of Dargensbey Hit Days Ideal: Author Stafert No of Chevrole Communications Officer



Jenniter Vence, PhD stant Professor, Department of Sustainability Articipa State University Research ministric Climate change, public Institu 1.080.085.8100 Jerri Veroz@esu edu



andrew of Guoge and

HOW WE GOT THE DATA

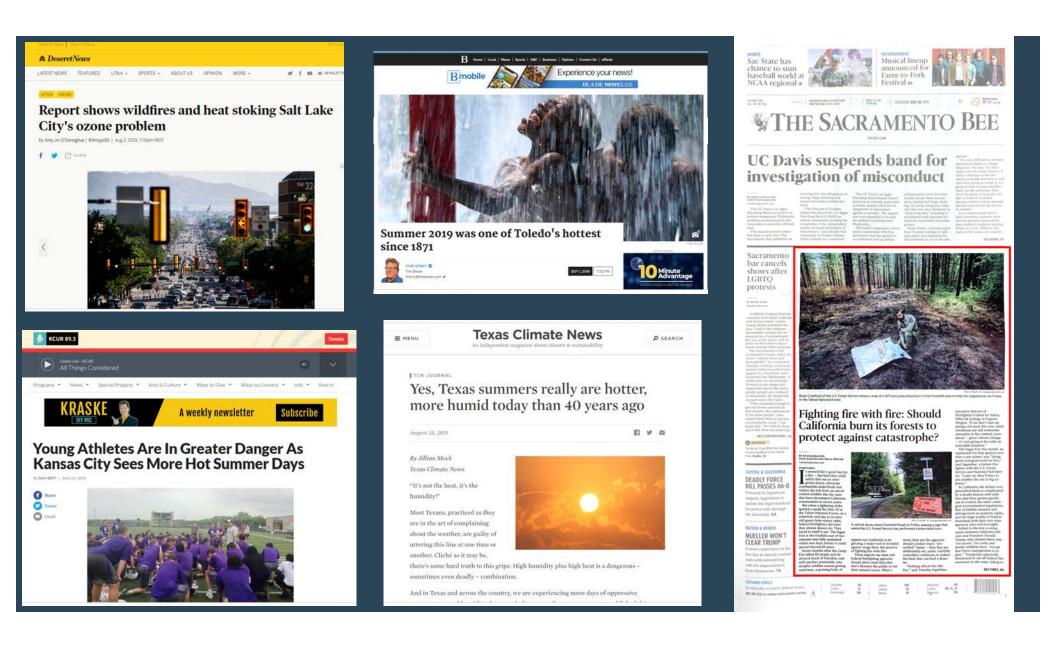
Climate Central analyzed daily maximum temperature and minimum relative numidity. using the gridMET modeled dataset and based on the findings of Dahi et al. 2019. Heat index temperatures were calculated using the National Weather Service heat index algorithms. The change in the number of 90°F+ and 105°F+ days are based on linear regression. The full methodology can be found in our report.

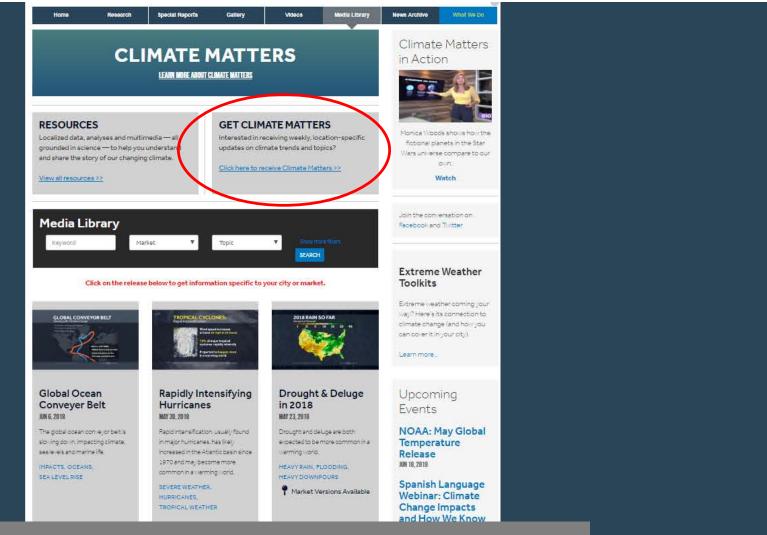
Climate Matters in the Newsroom in Action

 Amy Jol O'Donophue reported that Western wildfres and hot, stagnant summers are contributing factors to Salt Lake City's unhealthy levels of egone pollution, in Desered

1-202-331-6688 Administration of







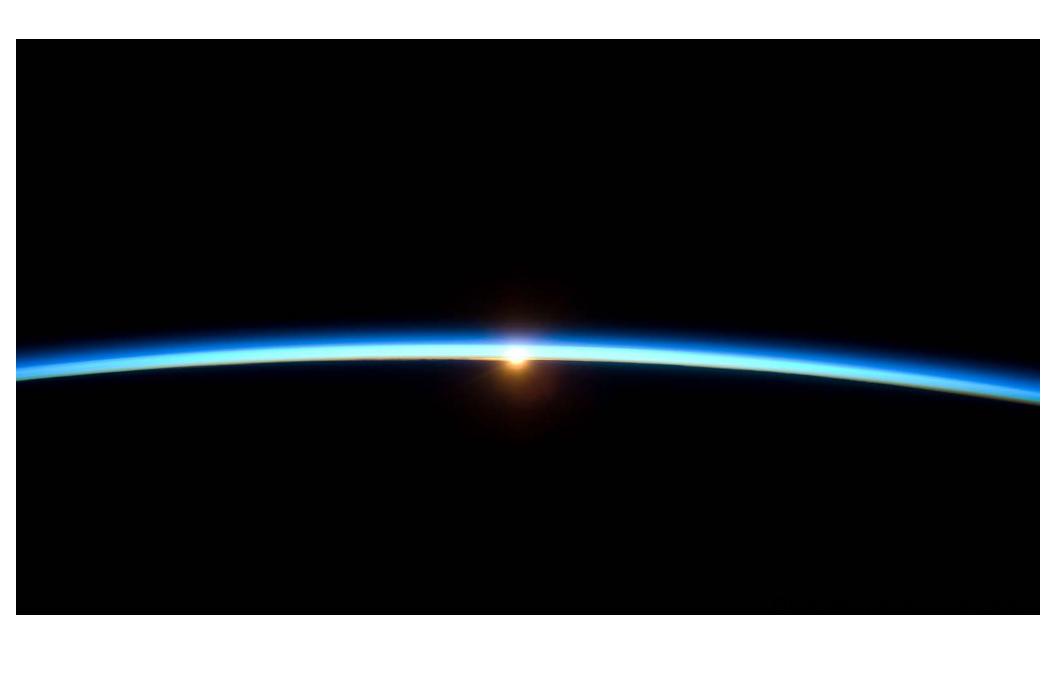
Medialibrary.climatecentral.org

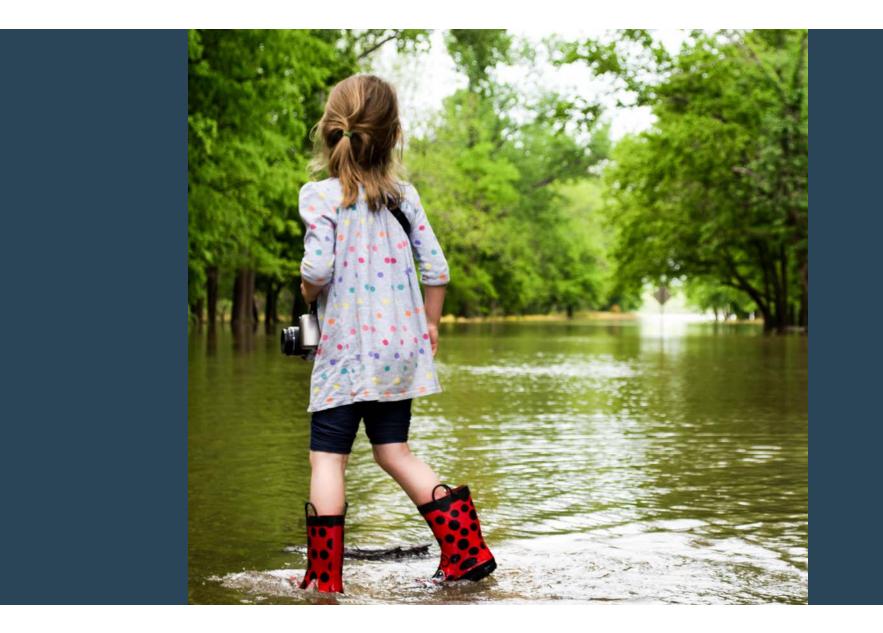
Lessons Learned

Climate Matters

- Underestimated barriers
- Relationships and trust take time
- Power of network building
- Media likes good content
- KNOW YOUR AUDIENCE topic, tone, timing
- Meet people where they are
- Personalize/localize
- Tell a story

CLIMATE COD CENTRAL





Thank you!

bplacky@climatecentral.org @bernadettewoods