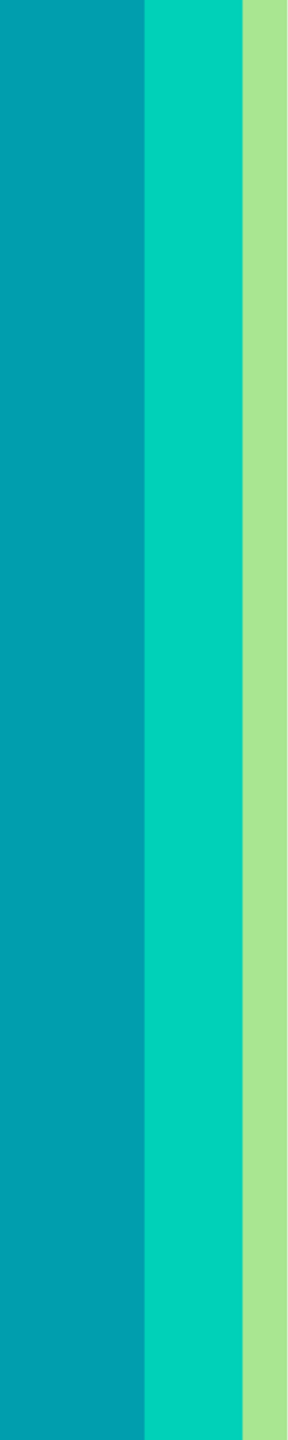


US EPA ARCHIVE DOCUMENT



Using Effective Communication Methods to Ensure the Long-Term Success of State and Local Climate & Clean Energy Programs

Samantha Kappalman

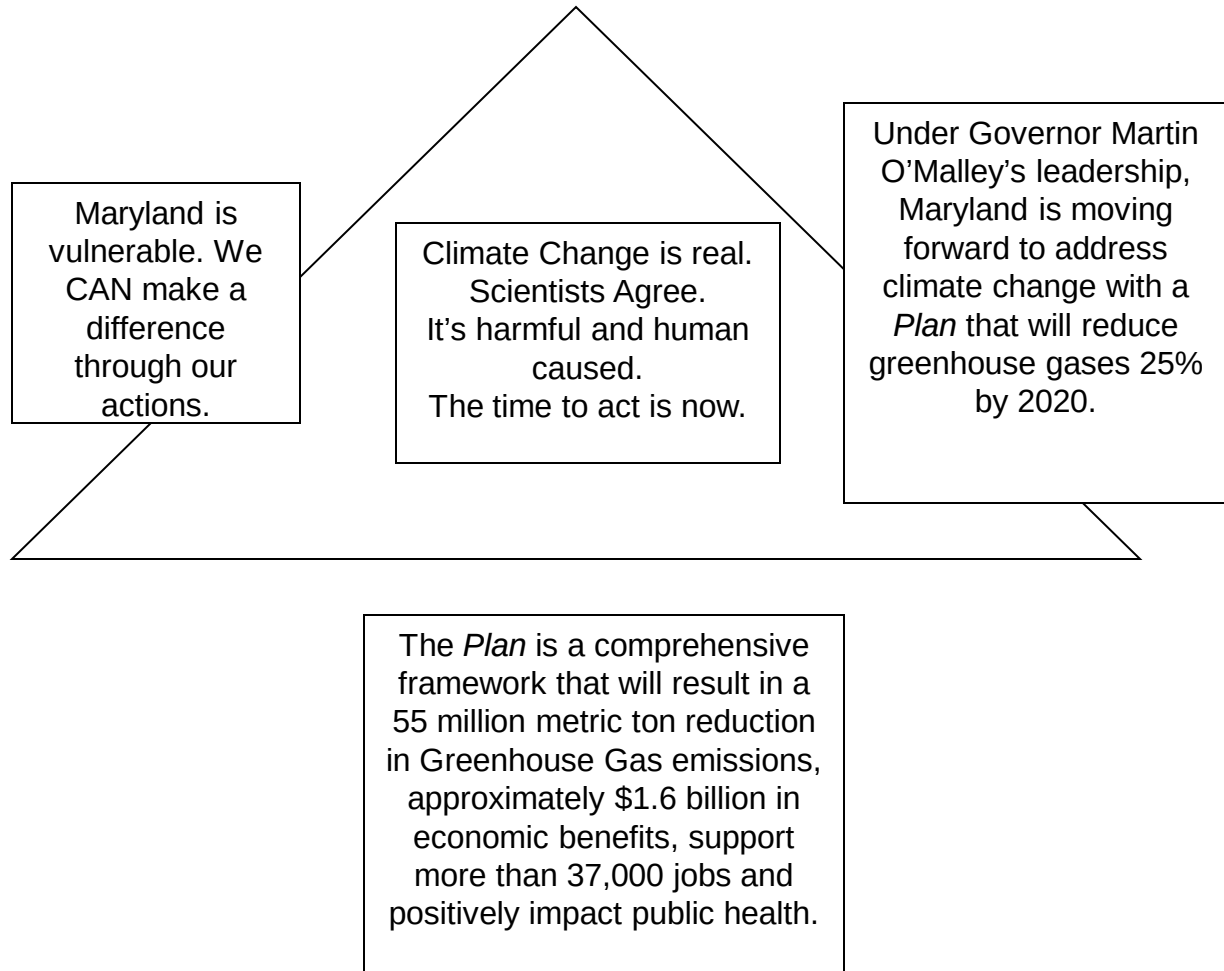
Maryland Department of the Environment

December 4, 2013

A person wearing a black jacket, a white helmet, and a large blue backpack is riding a bicycle away from the camera on a city street. The street has a designated bike lane marked with white lines and the words "LANE" and "BIKE". Other cyclists and cars are visible in the distance. The street is lined with multi-story buildings and trees. A white fire hydrant is visible on the sidewalk to the right.

Messaging

Maryland's Greenhouse Gas Reduction Plan Message Triangle



Climate change is real.

Scientists agree.

It's happening now.

*It's harmful and
human-caused.*

*We can make a
difference through
our actions.*

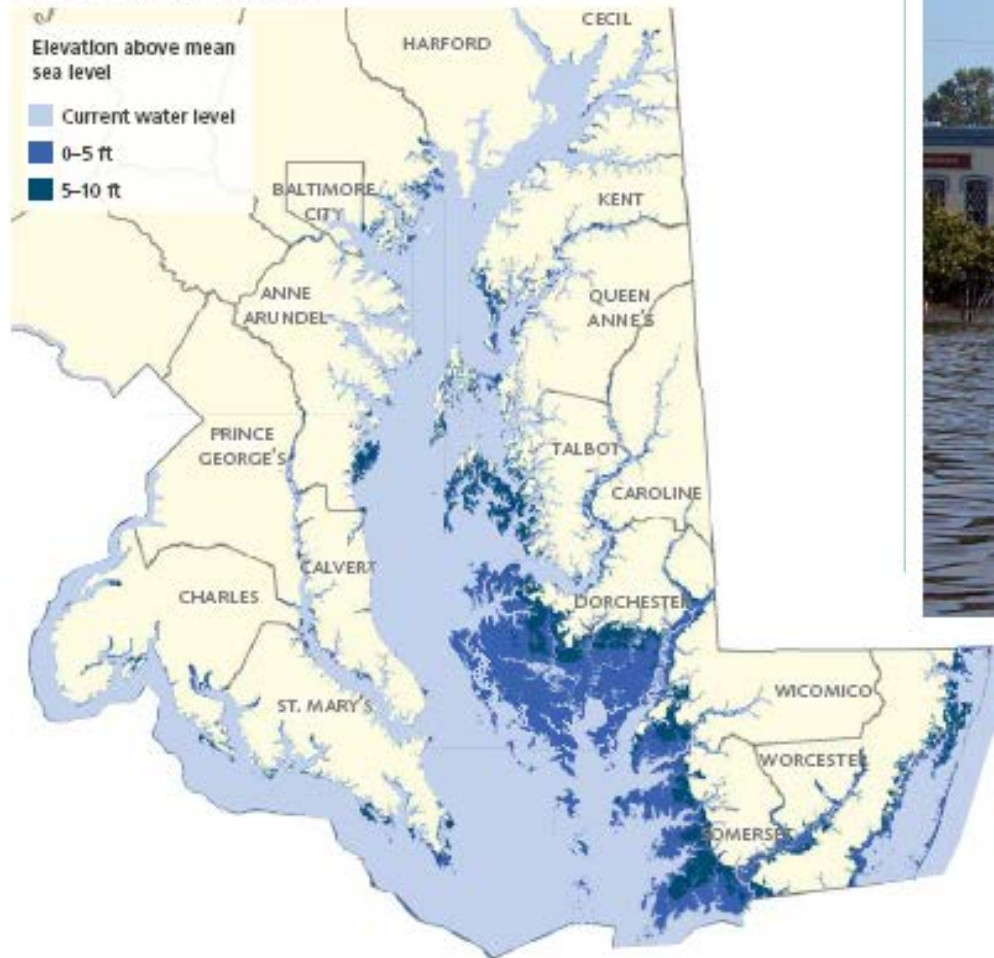


<http://www.guardian.co.uk/environment/video/2012/dec/12/chasing-ice-iceberg-greenland-video>



Sea Level Rise is REAL

Sea level rise in Maryland



DON BOESCH

Vulnerability to sea level rise in the coastal areas of Maryland, calculated using LiDAR (Light Detection and Ranging) elevation data. Elevation data were not available for Baltimore City, Harford County, and Prince George's County.

Maryland's Vulnerability to Sea Level Rise & Coastal Storms



Cost of Inaction



Temperature is projected to increase substantially, especially due to higher emissions.



Sea level rise is likely to accelerate, inundating hundreds of square miles of wetlands and land.



Rain and wind from hurricanes are likely to increase.



Precipitation is projected to increase during the winter and become more episodic.

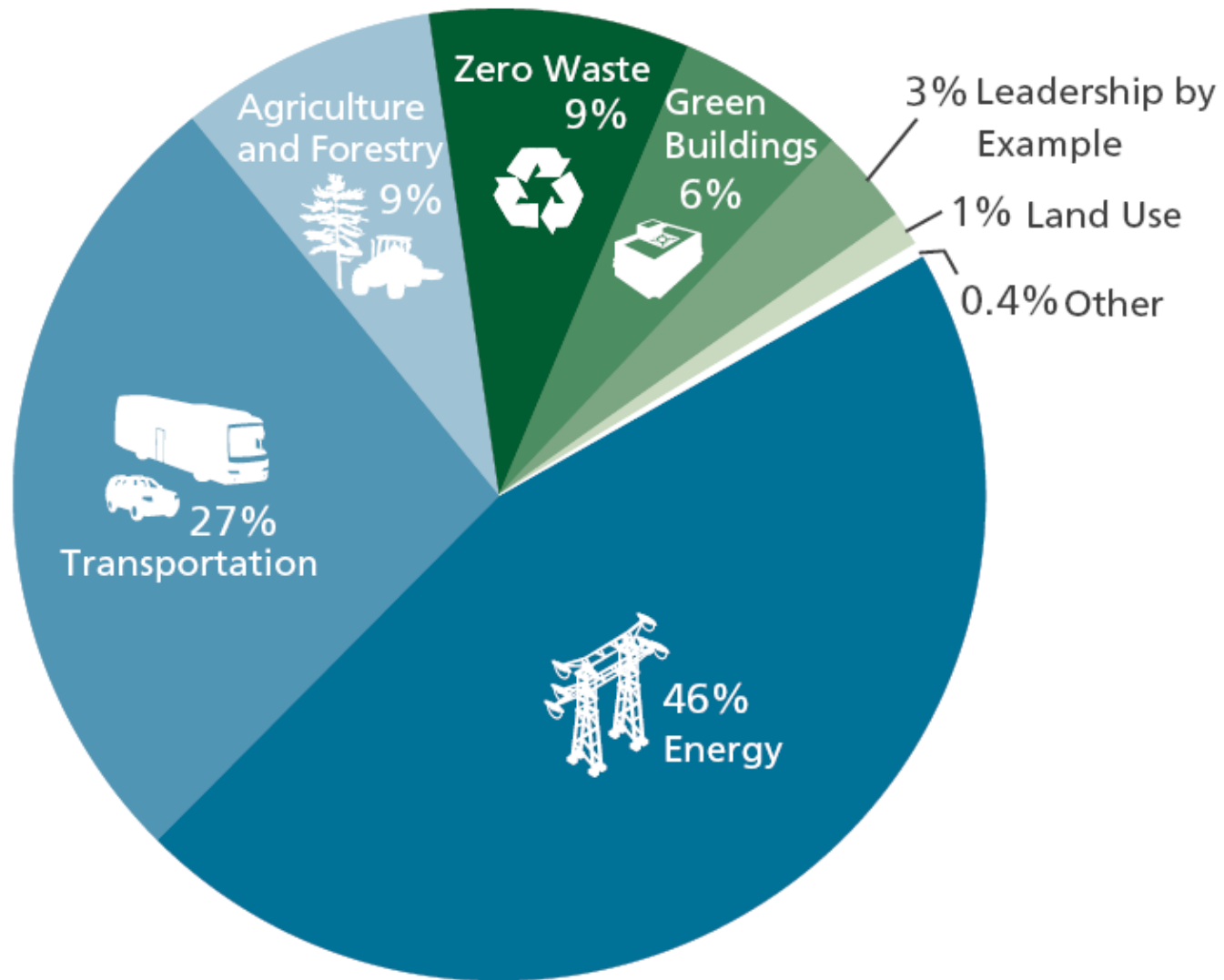


Urban flooding will likely worsen because rainfall events will be more intense.



Health risks due to heat stress will increase.

Percent annual reduction of carbon-dioxide equivalent by sector





What you can do

Engaging the Public

Energy and Green Buildings go hand-in-hand

- Use energy-saver light bulbs, such as compact fluorescents.
- Purchase *Energy Star* appliances, electronics, and lighting.
- Unplug all electronics when not in use, for example: your cell phone charger, TV, toaster, coffeemaker, computer.
- Install ceiling fans, window fans, and whole-house fans as a low-energy way to cool the house in summer.
- Upgrade your heating and cooling system with an energy-efficient one, including a programmable thermostat.
- Clean the lint filter on your dryer for higher efficiency, or hang your clothes outside on a line to dry (or inside on a rack).
- Sign up for renewable energy through your electric company.
- Weatherproof your home, sealing cracks and gaps.
- Buy furniture made from sustainable materials, such as bamboo and reclaimed wood.
- Use a reel lawnmower, which is quiet and has zero emissions.
- Always maintain your septic system, including gas emissions.
- Opt out of paper catalogs, phone books, and other 'junk' mail.
- Bring reusable canvas totes to use at the grocery store.
- Buy your produce locally to decrease the amount of vehicle miles that your food has to travel.
- And, remember, always *reduce, reuse, and recycle!*



Newspaper Headlines

THE SUN
BALTIMORE

O'Malley crafts stricter plan to fight climate change

Bloomberg

Maryland's O'Malley Boosting Renewable Energy as Seawater Rises

The importance of Maryland's leadership on climate change

State leaders like Martin O'Malley are pushing the nation to address carbon pollution

Clean Technica

Maryland Governor Unveils Strongest US Plan To Fight Climate Change

DAILY KOS

THU JUL 25, 2013 AT 08:41 AM PDT

Maryland Gov. O'Malley lays out stellar climate change plan



Climate Communication Consortium of Maryland's Mission

The Consortium's mission is to **broaden and deepen public engagement** in climate change and energy issues across all of Maryland's communities and sectors by **encouraging and facilitating collaboration** in the communication efforts of government agencies and elected officials, businesses, non-profit organizations, advocates and citizens.

www.climatemaryland.org

A photograph of a subway station platform. Two trains are visible: one on the left with its doors open, and another on the right. Several passengers are standing on the platform. The station has a curved, modern design with a high ceiling and yellow safety lines on the platform floor. A teal banner is overlaid at the bottom of the image.

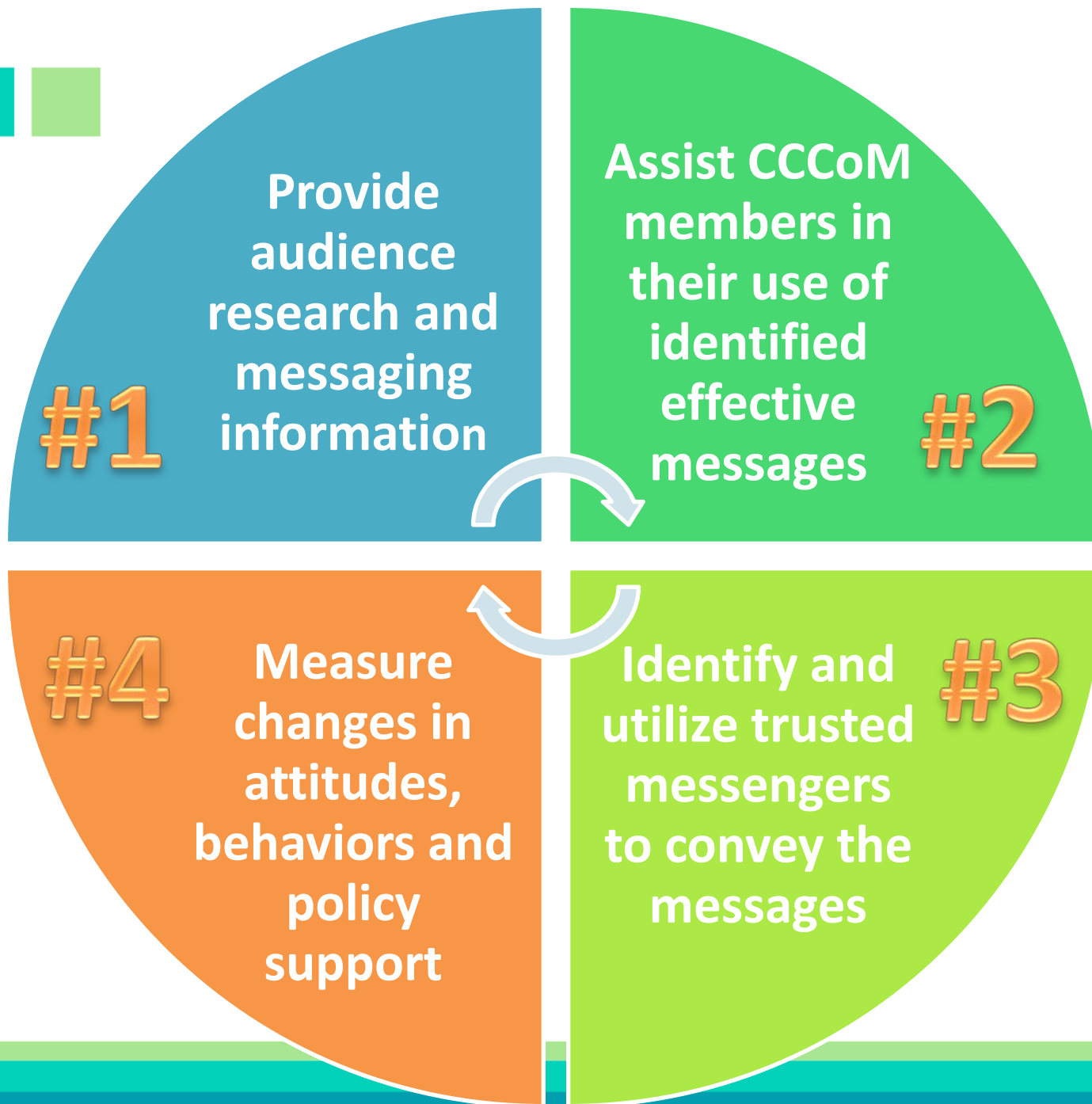
Goals



***Simple clear messages,
repeated often,***

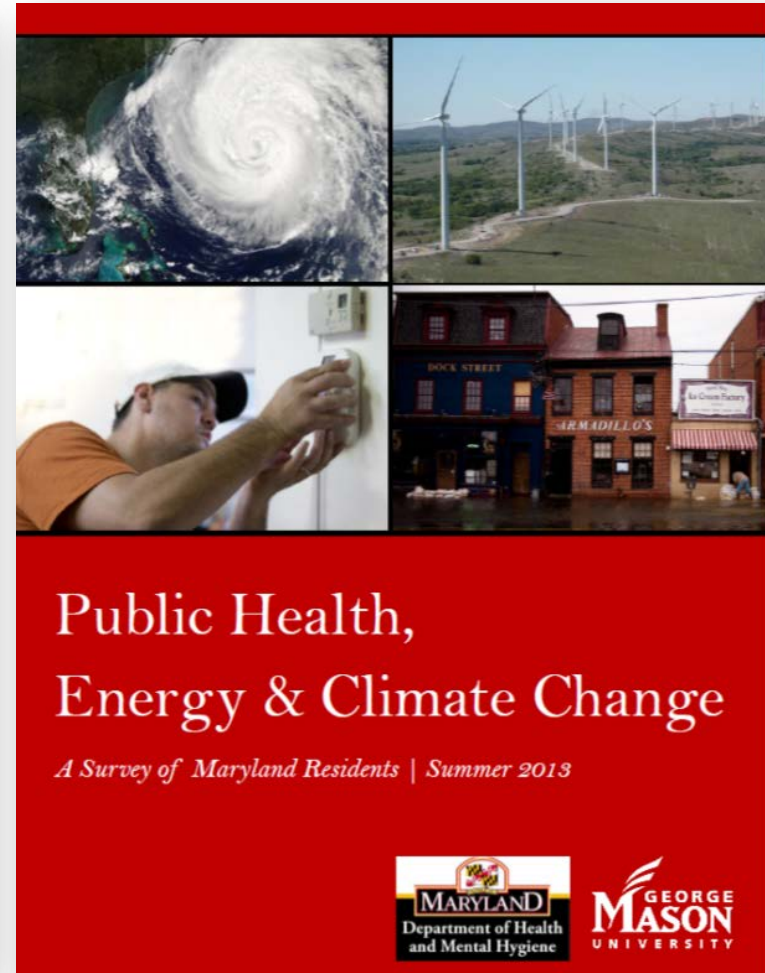
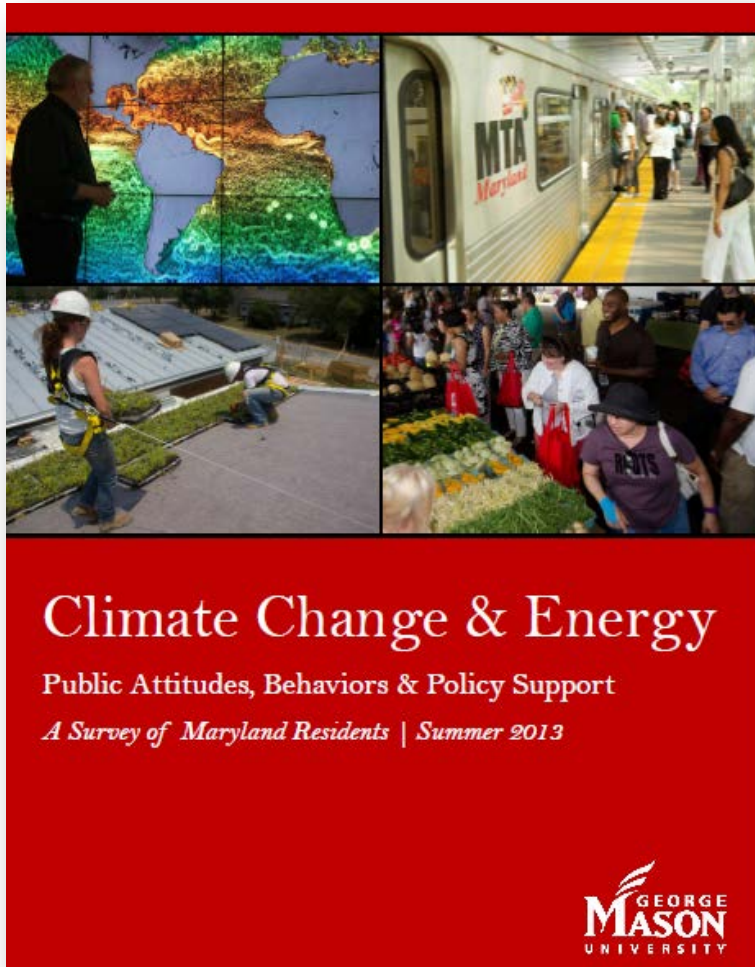


***by a variety of
trusted sources***





Public Opinion Polling



climatechange.maryland.gov



Public Opinion on Global Warming



Alarmed

Concerned

Cautious

Disengaged

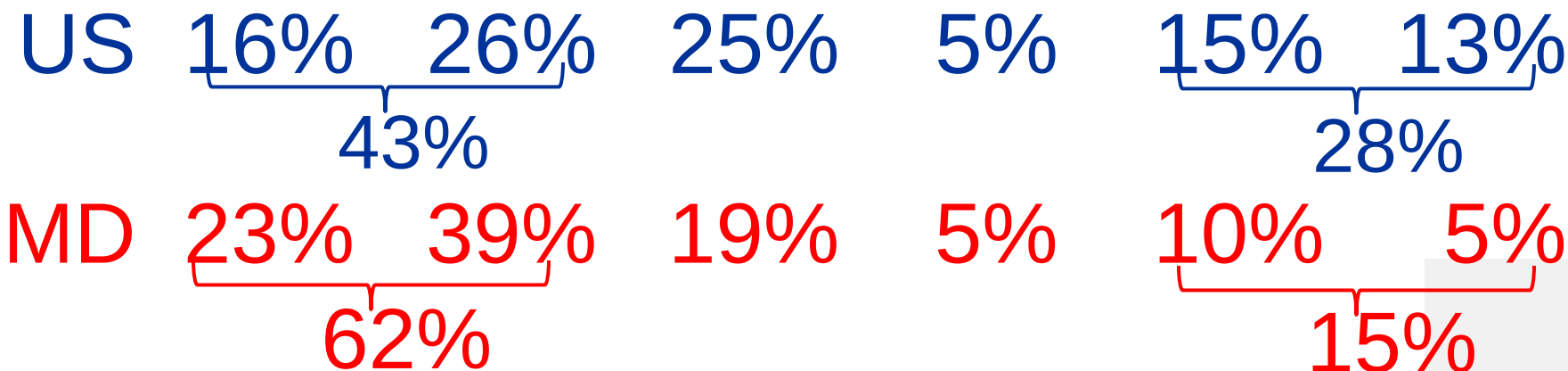
Doubtful

Dismissive



Highest Belief in Global Warming
Most Concerned
Most Motivated

Lowest Belief in Global Warming
Least Concerned
Least Motivated





Localization of Messages on the Scientific Consensus

- **Trust in scientists as a source of information on climate change can be significantly higher when a local scientist is used** than with the numerical consensus percentage alone.
- **People responded differently to different scientists**
- **Moderates and conservatives may respond better to use of a local scientist in messaging than liberals**

More than 97% of climate scientists have concluded human-caused climate change is happening.



© David Hsu/ChesapeakePhotos.com

More than 97% of climate scientists have concluded human-caused climate change is happening.

University of Maryland's William Boicourt is one of them.

Meet him.

Climate change will likely create more extreme heat waves in Maryland.

Heat waves are especially dangerous for our young children and senior citizens, and anyone with health problems.

Find out more.



© David Harper/ChesapeakePhoto.com



© Maryland GovPix

There's something important you can do for Maryland's climate.

When it comes time to replace your car or truck, choose one that gets closer to 40 miles per gallon, instead of 20, to cut your gasoline costs and associated heat-trapping emissions.

Or, consider buying a hybrid electric or all-electric vehicle, which produce no tailpipe emissions.



What's next



Consortium Plans 2013-2014

- Implementation of calendar of monthly messaging opportunities
- Localization of “scientific consensus” with Maryland’s climate scientists
- Speakers’ bureau
- Repeat of survey, Spring 2014, of adult Marylanders
- Continued message testing
- Broadening of organizational membership

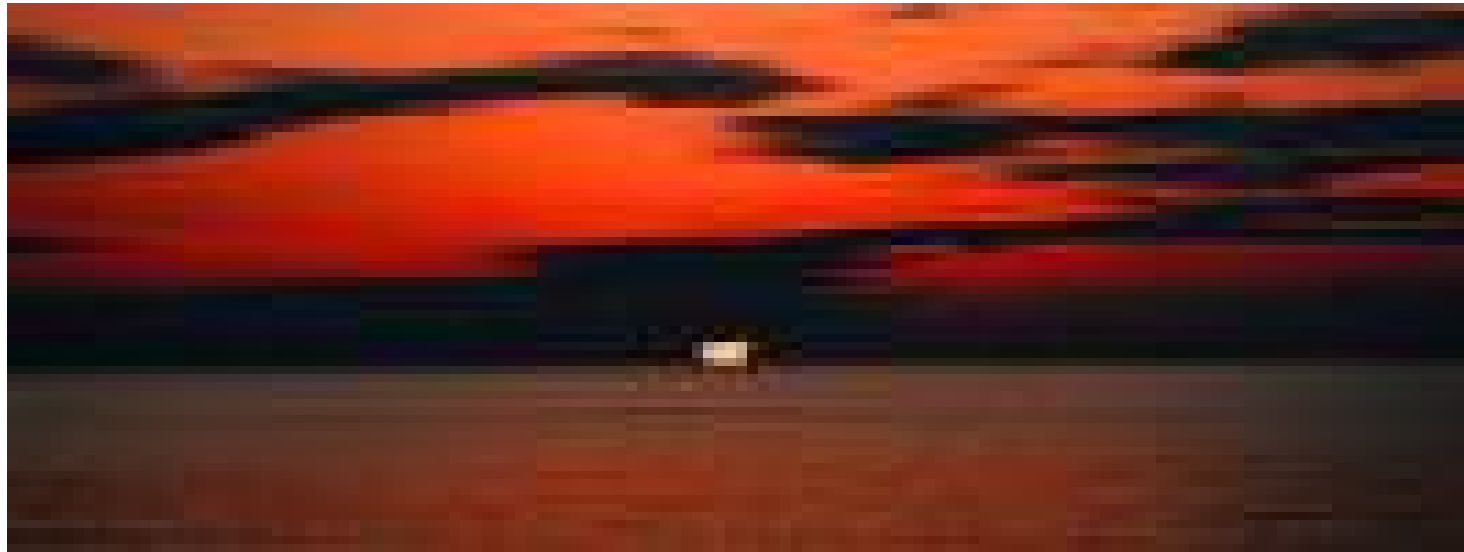


MDE Plans 2013-2014

- Implementation of education & outreach campaign
- Speakers' bureau
- Increasing awareness of Maryland energy efficiency programs for businesses and residents
- Spreading the Climate Change message to those that haven't been reached



Questions?



**Visit us online and learn more:
climatechange.maryland.gov**