



Global Trends

Why climate change matters
and what can we do?

Difference between Climate and Weather

Climate: “The composite or generally prevailing weather conditions of a region, as temperature, air pressure, humidity, precipitation, sunshine, cloudiness, and winds, throughout the year, averaged over a series of years.”

Weather: “The state of the atmosphere with respect to wind, temperature, cloudiness, moisture, pressure, etc.”

<https://www.dictionary.com/browse/climate>
<https://www.dictionary.com/browse/weather>

What is Climate Change?

- Increase in global average temperature
- Dominant Cause of climate change: Human activities, especially emissions of greenhouse or heat-trapping gases (Easterling et al.)
- 11% of human caused greenhouse gas emission is from deforestation
- We've known that world was getting warmer since about 1930. Are we doing anything to stop this?

<https://nca2018.globalchange.gov/chapter/2/>

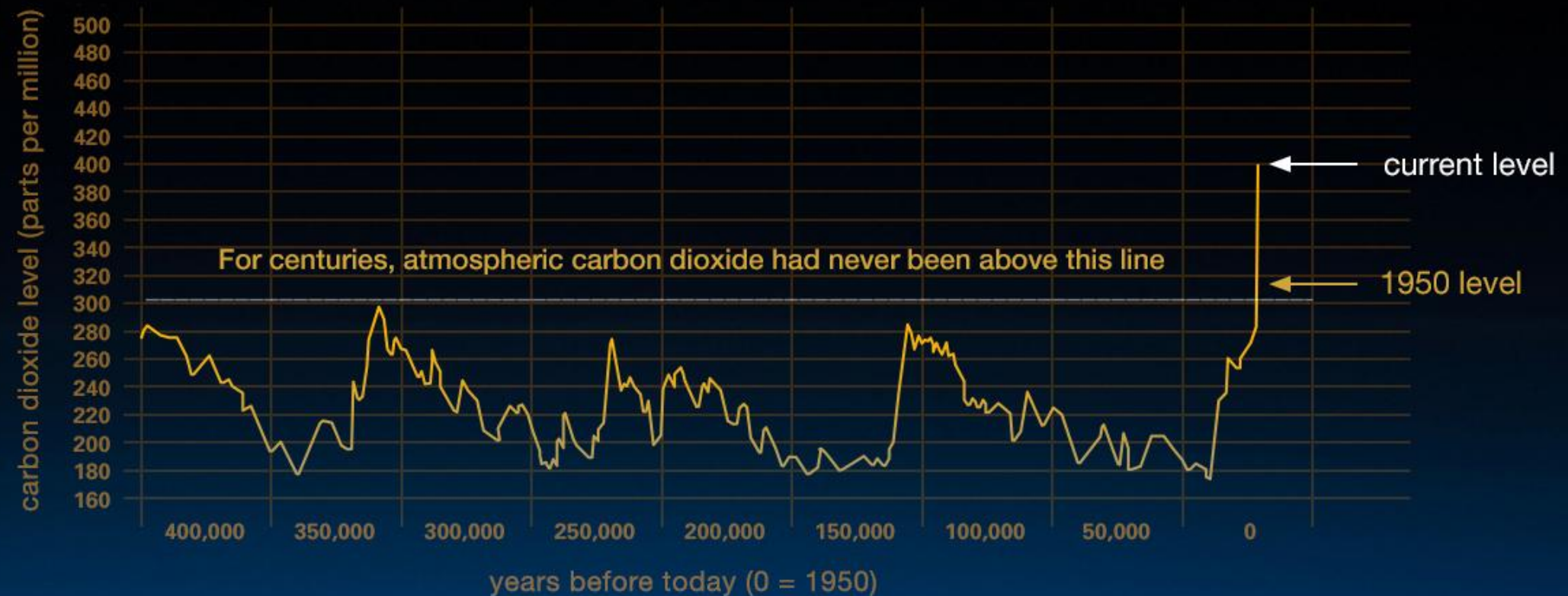
<http://roadtoparis.info/2015/05/18/everything-you-need-to-know-about-climate-change-in-five-minutes/>

<http://www.conservation.org/stories/Pages/11-climate-change-facts-you-need-to-know.aspx>

Why we should think about Climate Change?

- It is an issue of vital importance to everyone living on earth
- Climate change will keep going for centuries to come
- Hurricanes will become stronger and more intense
- All the ice in the arctic will melt
- Sea level will rise 1-4 feet by 2100 that can sink a large part of Florida
- Few nice days in Chicago will disappear

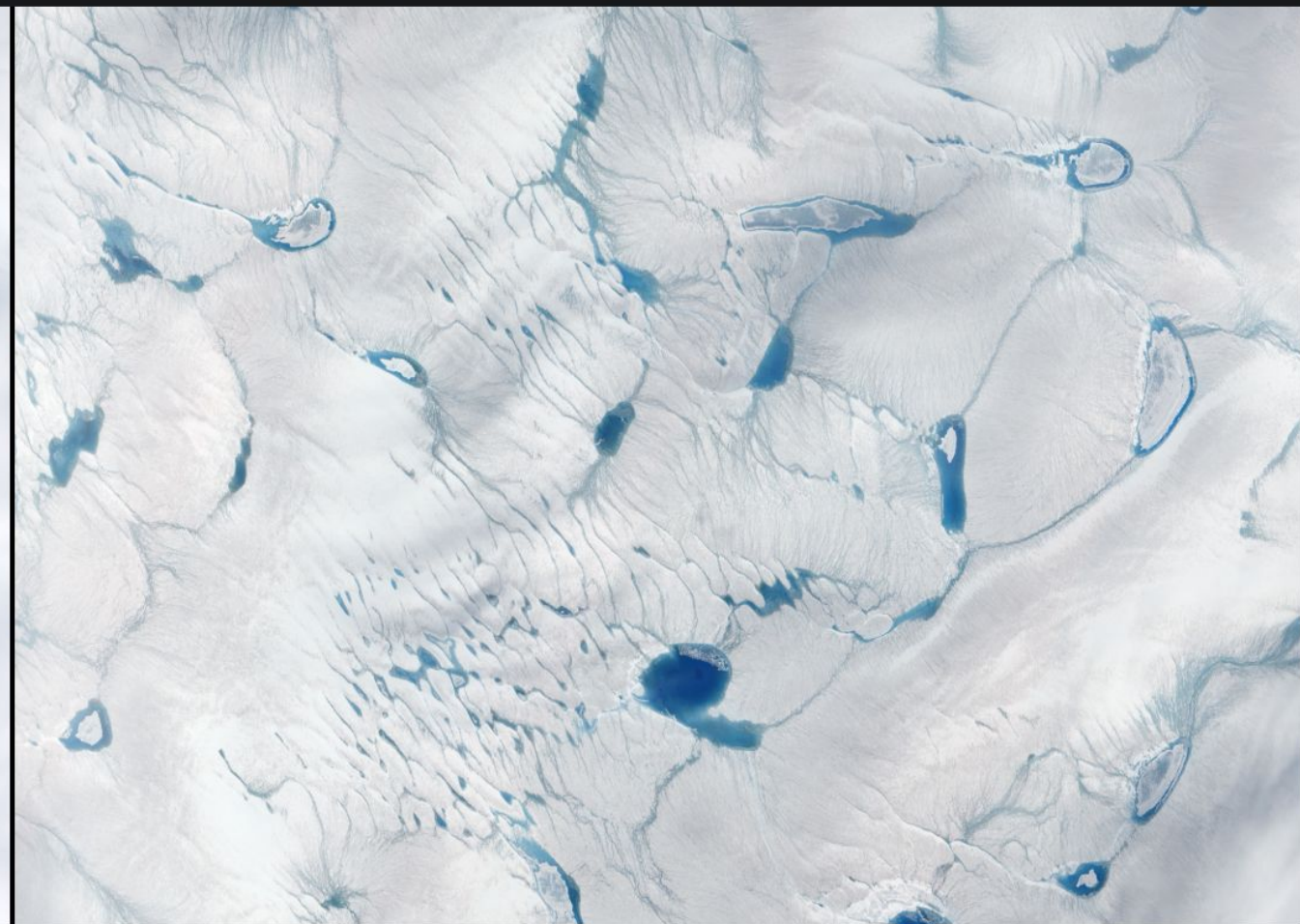
Current Carbon Dioxide Level



Exceptionally early ice melt in Greenland



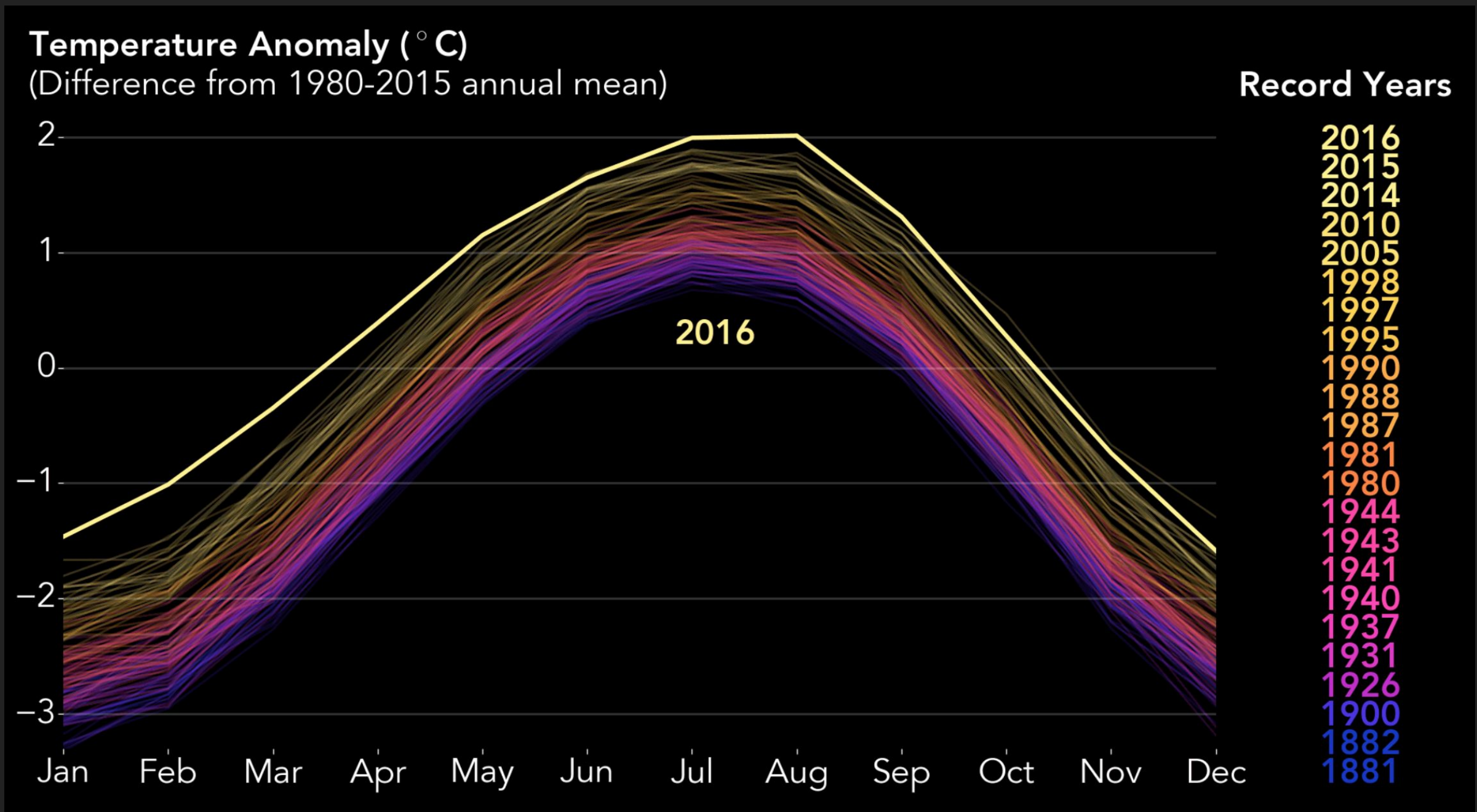
June 10, 2014



June 15, 2016

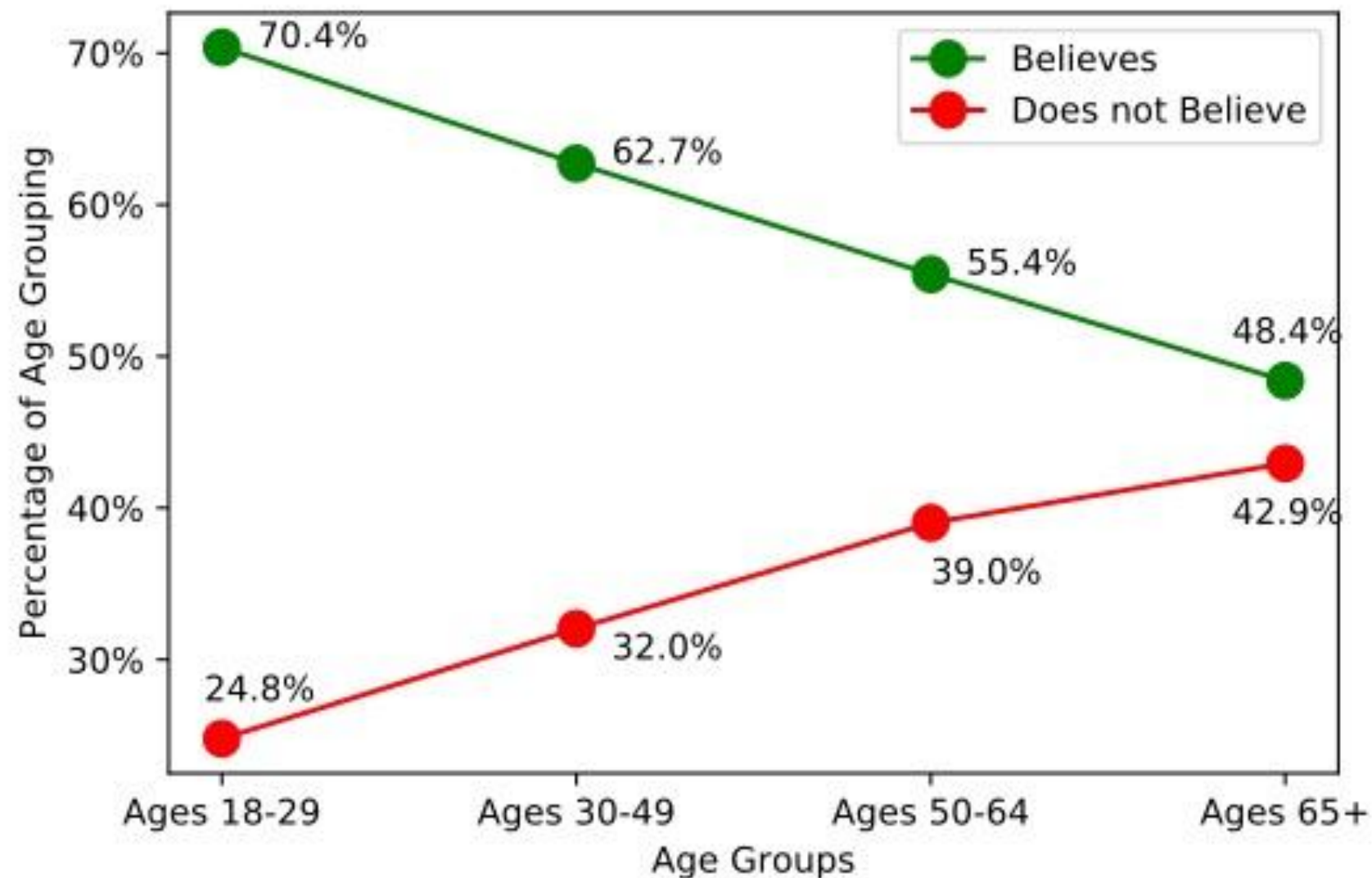
<https://climate.nasa.gov/images-of-change?id=586#586-exceptionally-early-ice-melt-greenland>

Global Temperature Rise



Attitude Towards Climate Change

Percentage of People Who Believe that the Earth is Warming Due to Human Activity by Age Group



1972 People asked

What you can do?

Stop Unwanted Mail

- Unwanted mail is a huge waste of natural resources
- City of Chicago is joining hands with communities to start a zero waste initiative
- Use the free service to cancel paper mail you no longer wish to receive
- Step by step instructions at <https://com421-project.github.io/Website/index.html>

What you can do?

Bike

- Creates no pollution, offers exercise opportunities and quickest way to travel
- Bike 2015 Plan aims to make bicycling an integral part of daily life in Chicago
- Objectives include bike parking and building a bikeway network to increase bicycle use and reduce injuries
- Learn more about creating Divvy pass and safety instructions at <https://com421-project.github.io/Website/index.html>

<https://www.divvybikes.com/pricing/d4e-chicago>

<http://www.bike2015plan.org/>

http://www.chicagoclimateaction.org/pages/what_you_can_do__make_a_difference/6.php

What you can do?

MeterSave

- Program offered by Chicago Department of Water Management
- Save water by participating in MeterSave program
- Install a meter at your home to track water usage
- Learn more about registration process at <https://com421-project.github.io/Website/index.html>

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<https://www.metersave.org>

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Vote for those who think about Climate Change

How to register to vote in Illinois?

<https://www.elections.il.gov/votinginformation/register.aspx>

Who are your representatives?

<https://www.house.gov/representatives/find-your-representative>

Contact Us

Website

<https://com421-project.github.io/Website/index.html>

Email

globalcitizens100@gmail.com

Facebook Page

<https://www.facebook.com/Citizens-for-our-Childrens-Future-287503215499162/>