

Migration and Displacement in a Changing Climate

World in Motion series



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Climate & Energy | Environment | Climate Change | Litigation | White Collar Crime

Greta Thunberg pleads not guilty after arrest at London protest

By Sarah Young

November 15, 2023 12:05 PM EST · Updated a day ago





WE DIDN'T START THE FIRE



POUR
le Climat
CONTRE
l'apathie



TYLER JOSEPH'S
KID DOESN'T
DESERVE
THIS!

CHANGE
NOT CLIMATE
CHANGE

Beertown
PUBLIC

I'M
B
KNEES

FINANCIAL TIMES

Meet the first climate refugees from the Americas to flee rising seas

The Guna people have lived on the San Blás for hundreds of years. Soon their homes will disappear



CANADA

As Canada faces wildfires and smoke, is it ready for climate migrants?



By **Uday Rana** • Global News

Posted July 3, 2023 11:32 am · Updated July 4, 2023 10:50 am



ALJAZEERA

News ▾

Israel War on Gaza

Features

Opinion

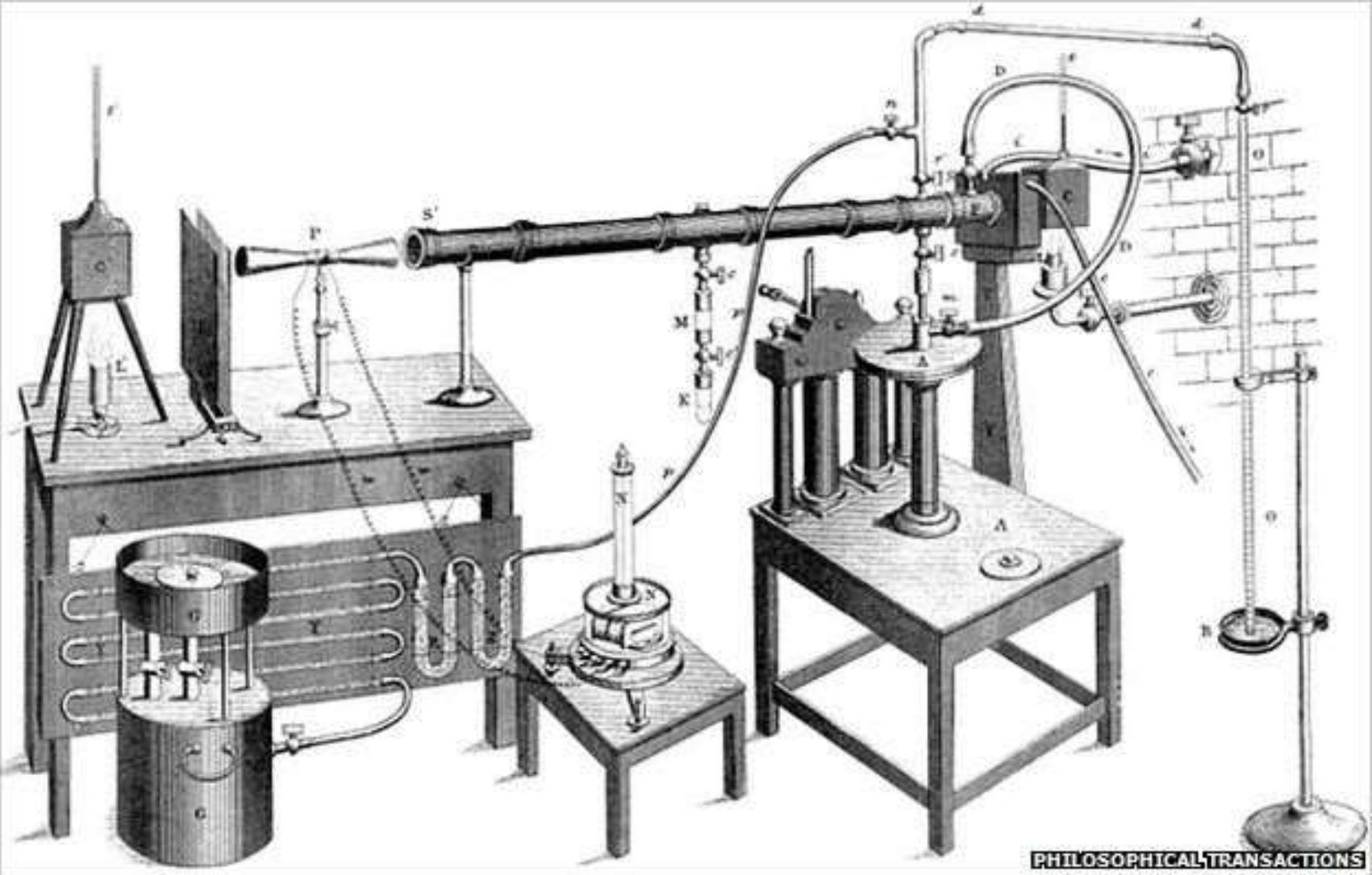
Video

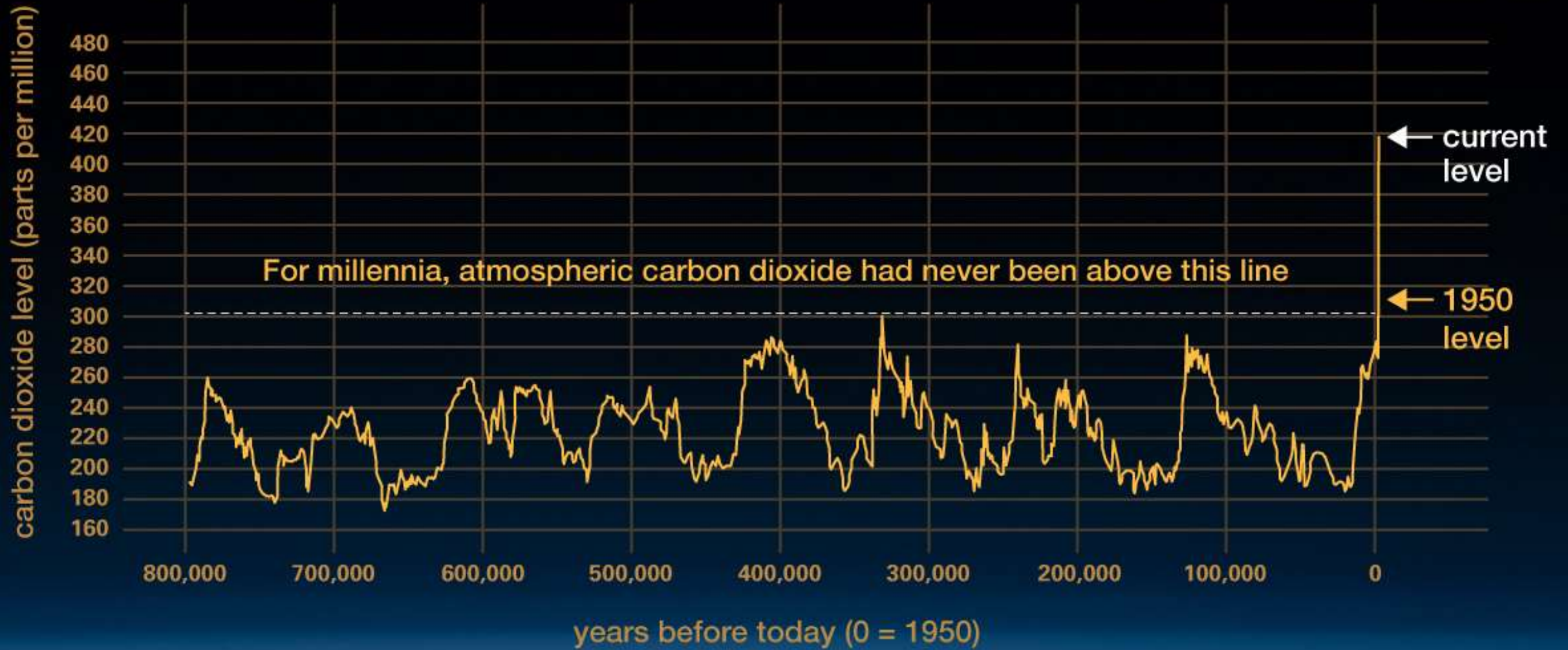
'A real hell': The climate refugees of Libya's floods and regional strife

Libya's city of Derna was already host to migrants – its floods have now created a new generation of climate refugees.



John Tyndall's device for measuring the heat trapping effect of gases, 1859





Source: NASA

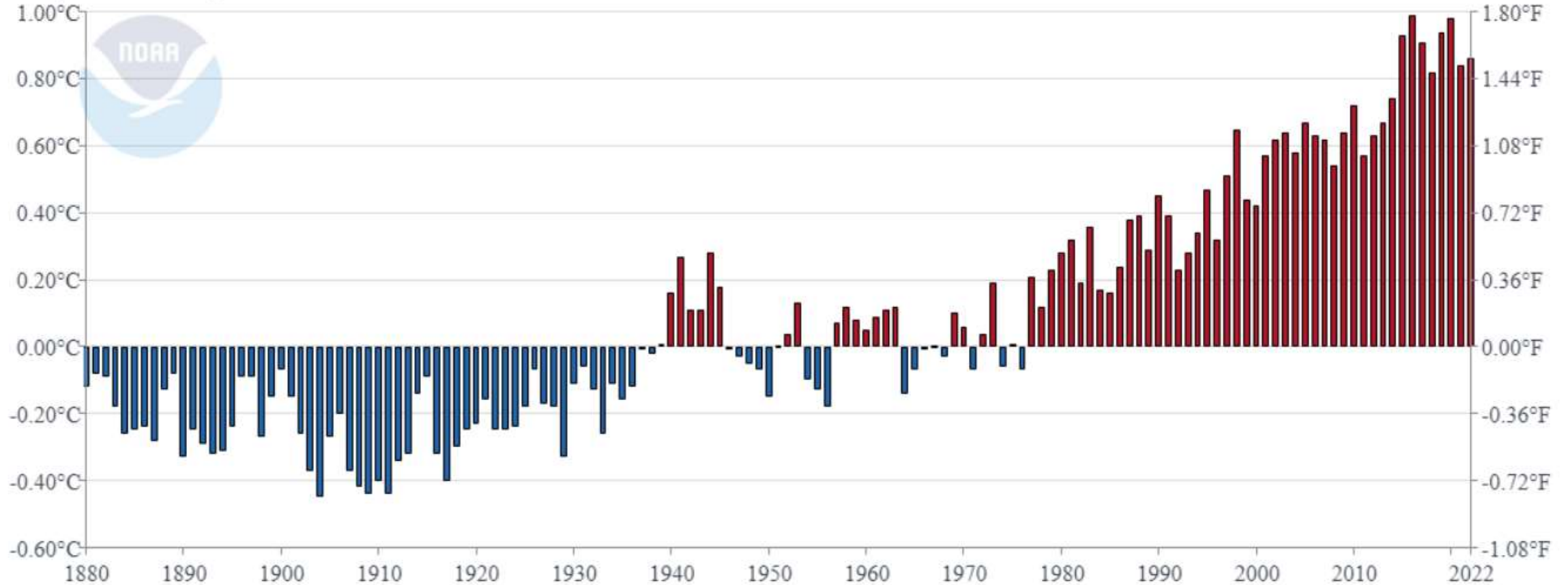
Main drivers of CO₂ accumulation in atmosphere



Global average temperatures, 1880-2022

Global Land and Ocean

January-December Temperature Anomalies



Near term impacts



Longer term impacts

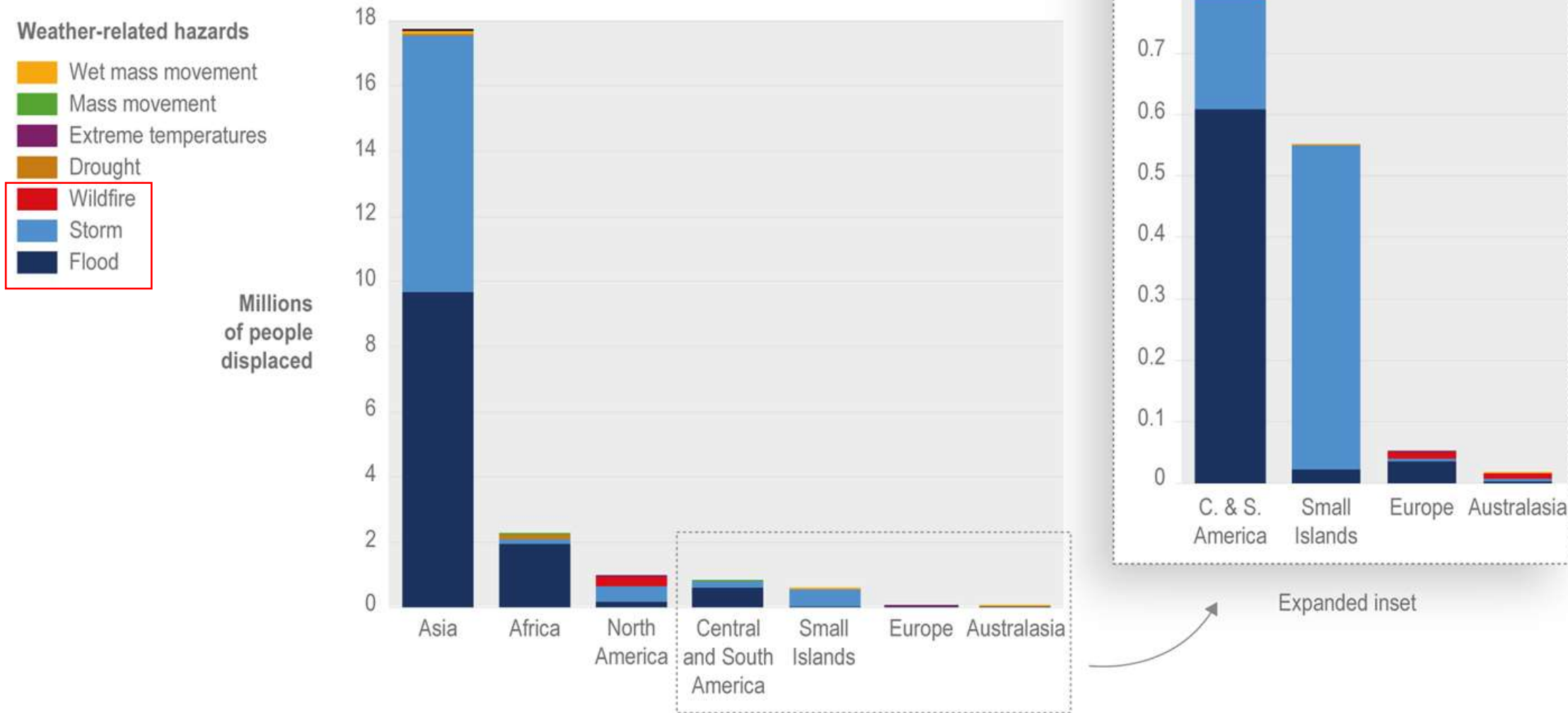


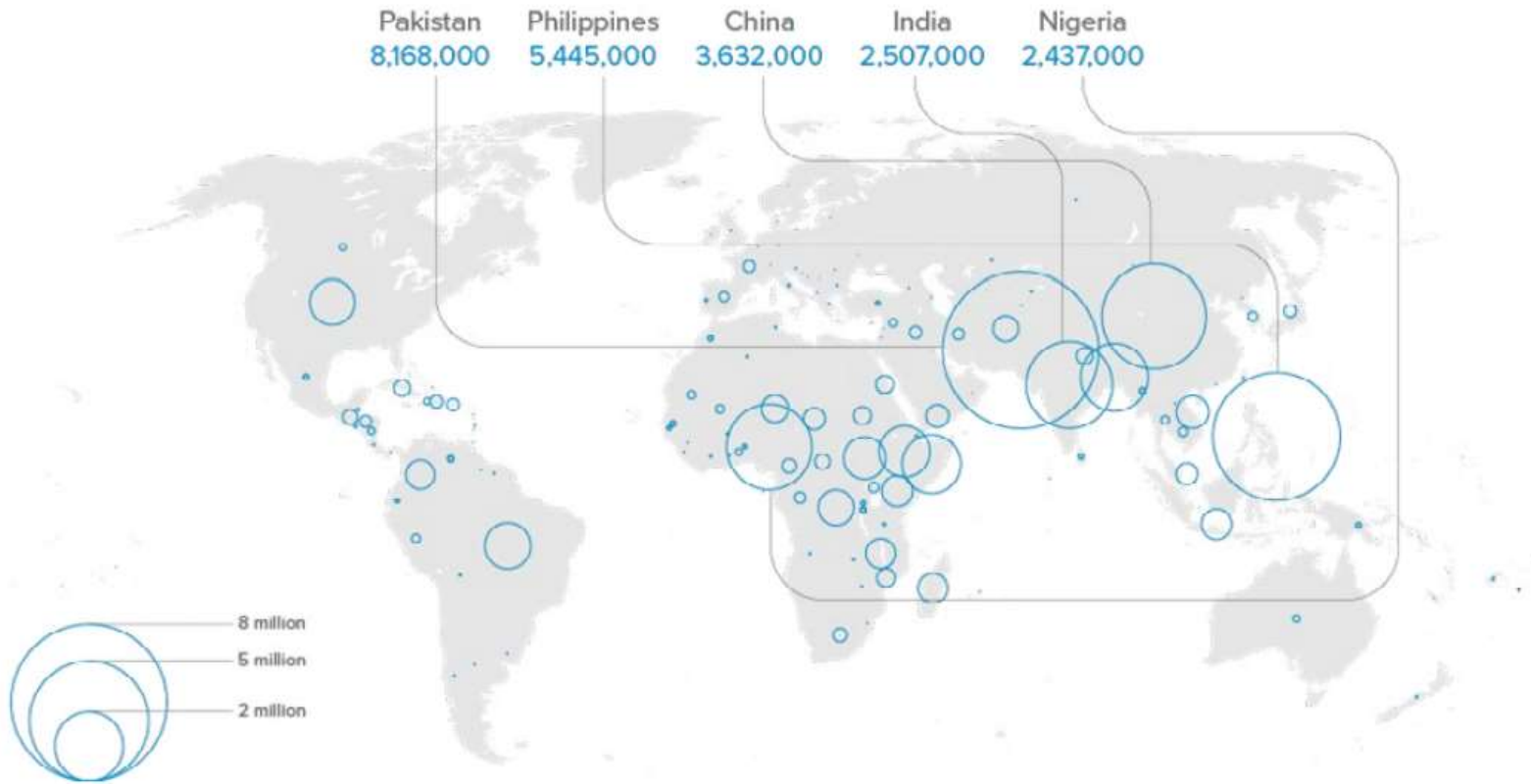
Washing away

The Arctic hamlet of Tuktoyaktuk, N.W.T., is collapsing into the ocean as it loses up to a metre of coastline each year. The



Average annual weather-related displacements, 2010–2020





31,845,000 weather-related displacements in 2022


 **Floods**
19,219,000

 **Droughts**
2,215,000


 **Landslides**
53,000

 **Storms**
9,980,000

 **Wildfires**
366,000

 **Extreme temperatures**
12,000

 **Cyclones**
7,592,000

 **Other storms**
2,388,000

GROUNDSWELL

By 2050—without concrete climate and development action—climate change could lead more than

216 MILLION PEOPLE

in 6 regions to migrate within their own countries



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TAKING ACTION ON INTERNAL CLIMATE MIGRATION

The number of people forced to move because of climate change could be reduced by as much as 80 percent...

80%

IF WE ACT NOW TO:



CUT GLOBAL GREENHOUSE GASES

to reduce the climate pressures that drive climate migration



INTEGRATE CLIMATE MIGRATION

into far-sighted green, resilient and inclusive development planning



PLAN FOR EACH PHASE

of migration — before, during and after — to ensure positive adaptation and development outcomes



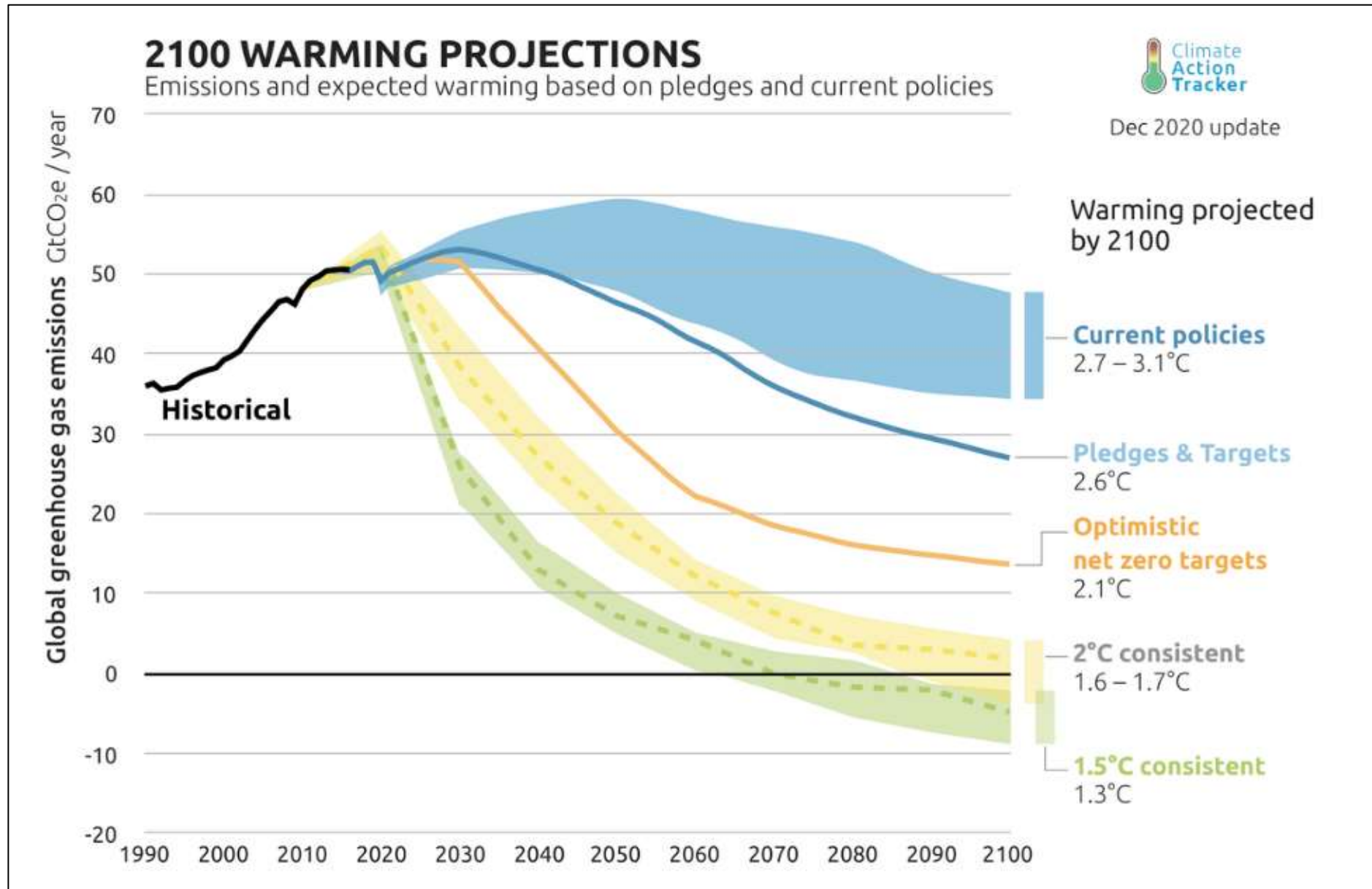
INVEST IN UNDERSTANDING THE DRIVERS

of climate migration through evidence-based research, models, and consultations, to inform policy response

3

3 uncertainties

1. Will we reduce our GHG emissions (world)?

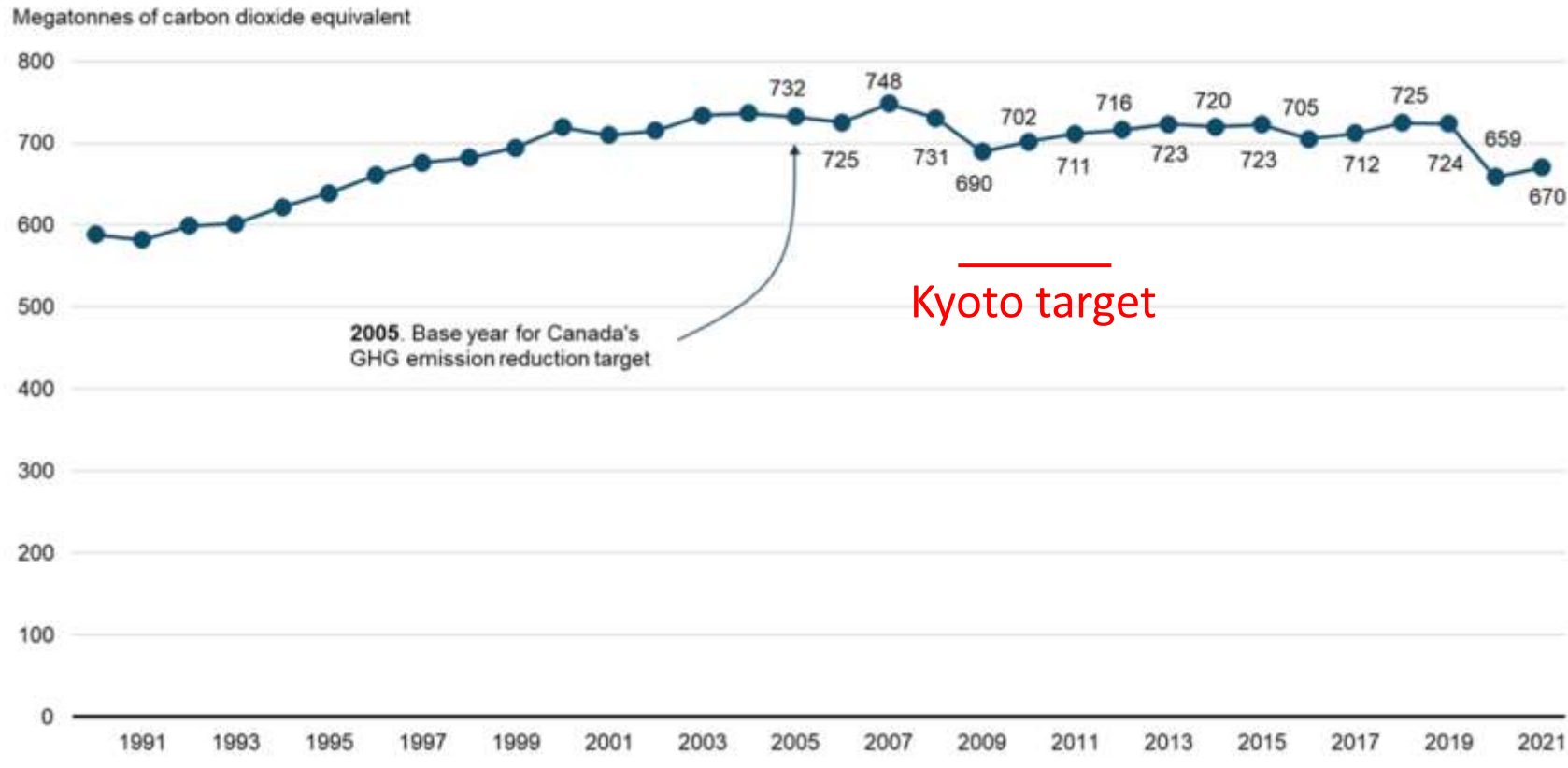


Displacement risks increase by >100%

Displacement risks do not change from present status quo

1. Will we reduce our GHG emissions (Canada)?

Canada's annual greenhouse gas emissions



2030 target

2050 target

2. Will we achieve the SDGs?



3. Will we embrace migrants?



Global Compact
FOR Migration

Our to-do list as individuals

- Reduce our fossil fuel consumption
- Participate in the social life of our communities
- Spend more time in nature
- Use social media to make positive change happen
- Vote...but do not vote for politicians who refuse to act
- Be compassionate

Thank you.