



environmental situation





AIR POLLUTION – THE SILENT KILLER

Every year, around **7 MILLION DEATHS** are due to exposure from both outdoor and household air pollution.

Air pollution is a major environmental risk to health. By reducing air pollution levels, countries can reduce:



Stroke



Heart disease



Lung cancer, and both chronic and acute respiratory diseases, including asthma

REGIONAL ESTIMATES ACCORDING TO WHO REGIONAL GROUPINGS:



CLEAN AIR FOR HEALTH

#AirPollution



What Causes Global Warming?

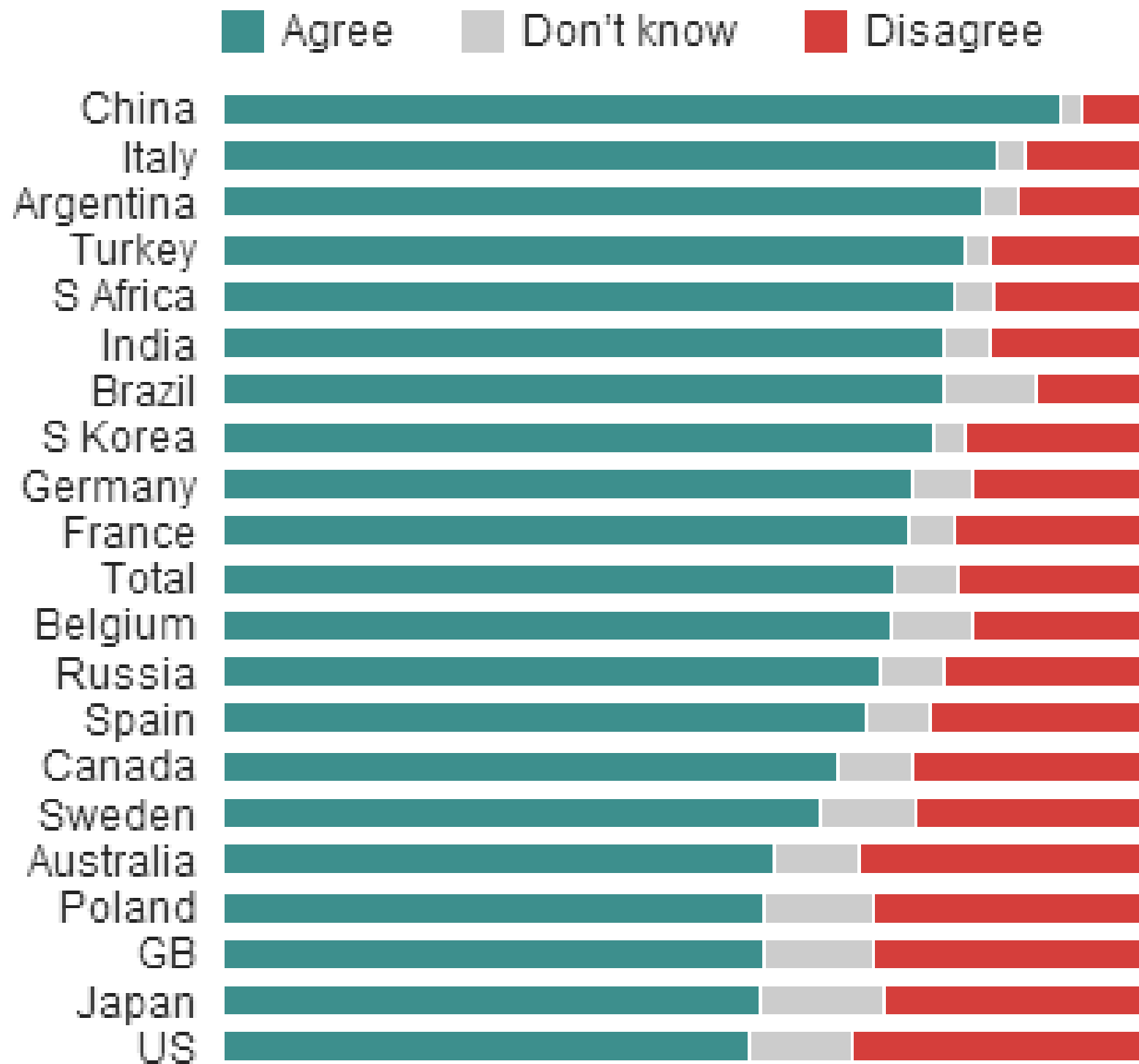
Sunlight passes through the atmosphere and warms the Earth's surface. This heat is radiated back toward space.

Most of the outgoing heat is absorbed by greenhouse gases (CO₂, methane, nitrous oxide and water vapor) and is re-radiated back to Earth to warm the planet (the life giving 'Greenhouse Effect').

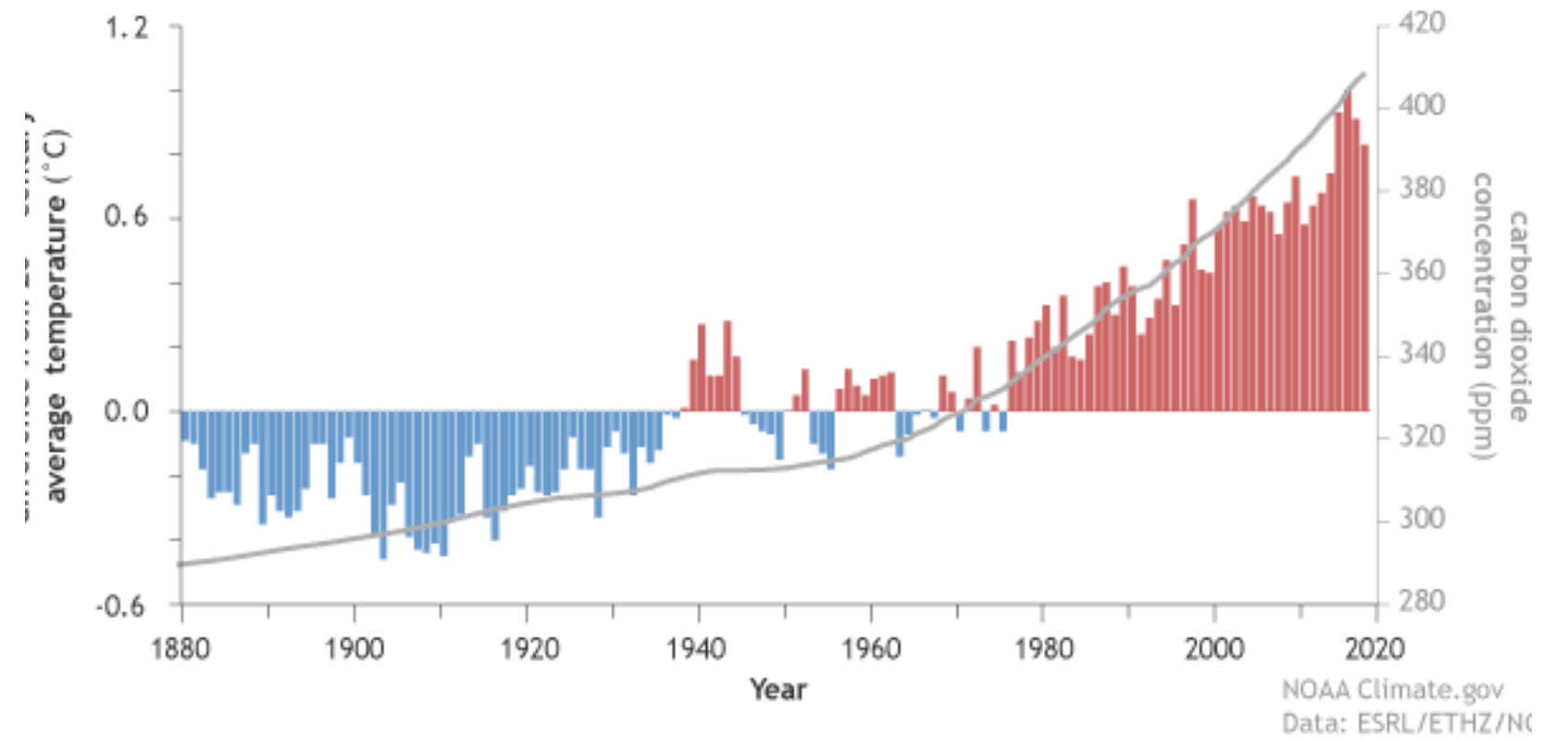
Since humans started burning fossil fuels, we've created more greenhouse gases than are needed - causing the Earth to become overheated.



We are heading for environmental disaster unless we change our habits quickly.



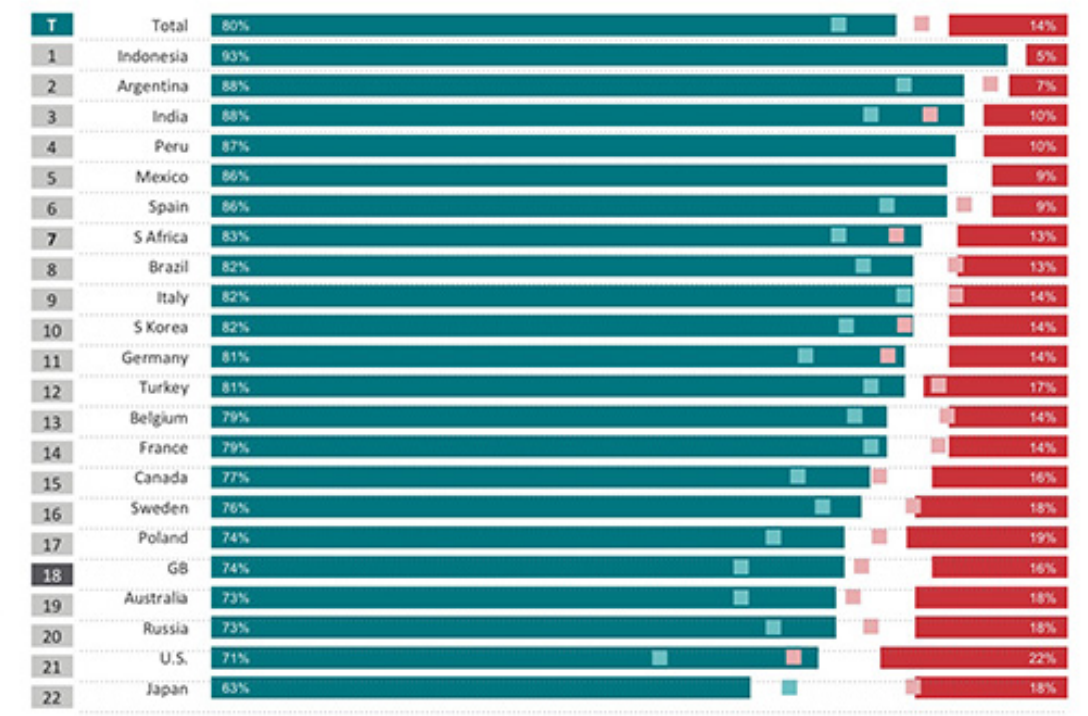
Atmospheric carbon dioxide and Earth's surface temperature (1880-2018)



PERCEPTIONS - ENVIRONMENT

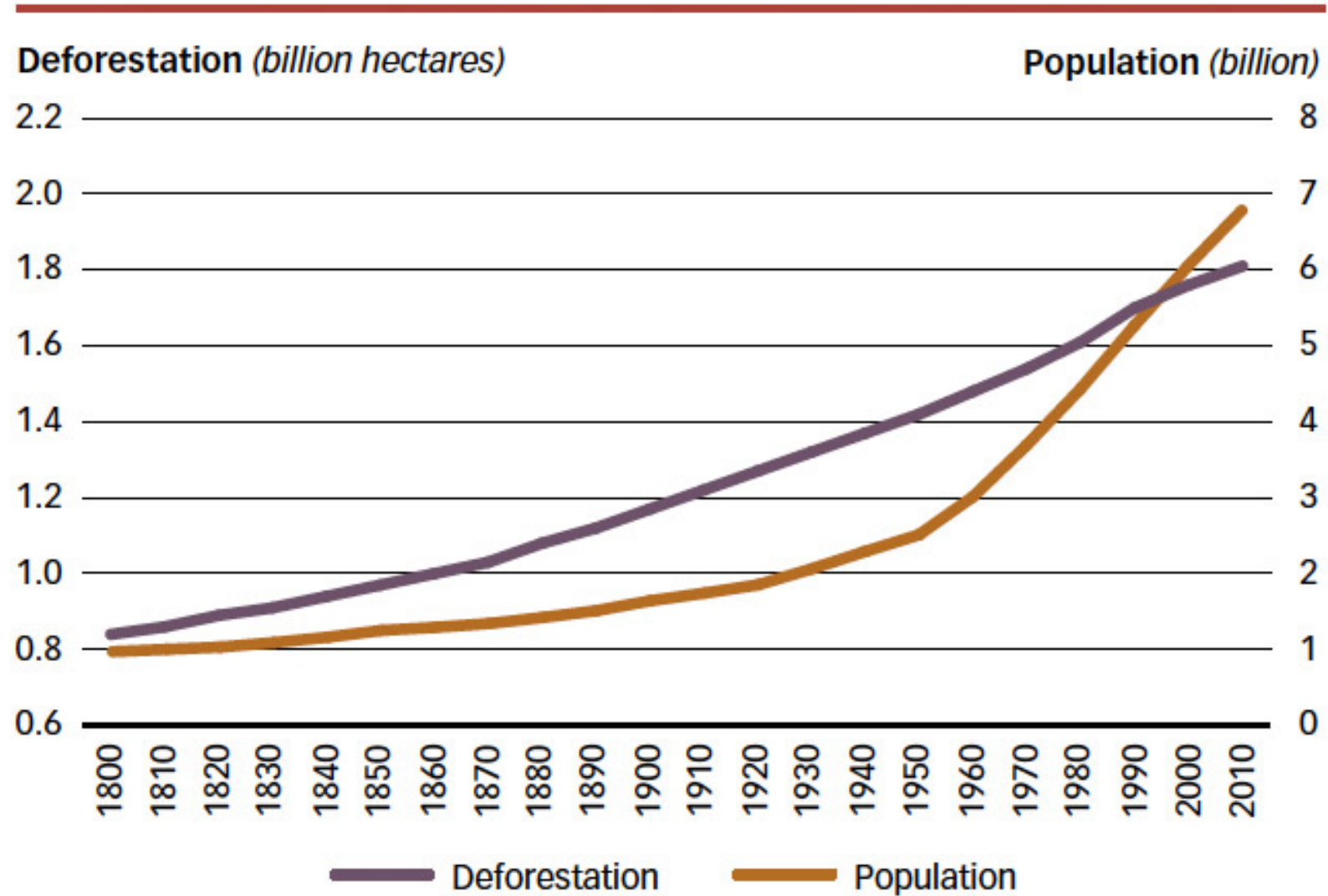
To what extent do you agree or disagree with the following statements?

The climate change we are currently seeing is largely the result of human activity



Base: 17,179 adults across 23 countries, online, 12th Sep - 11th Oct 2016

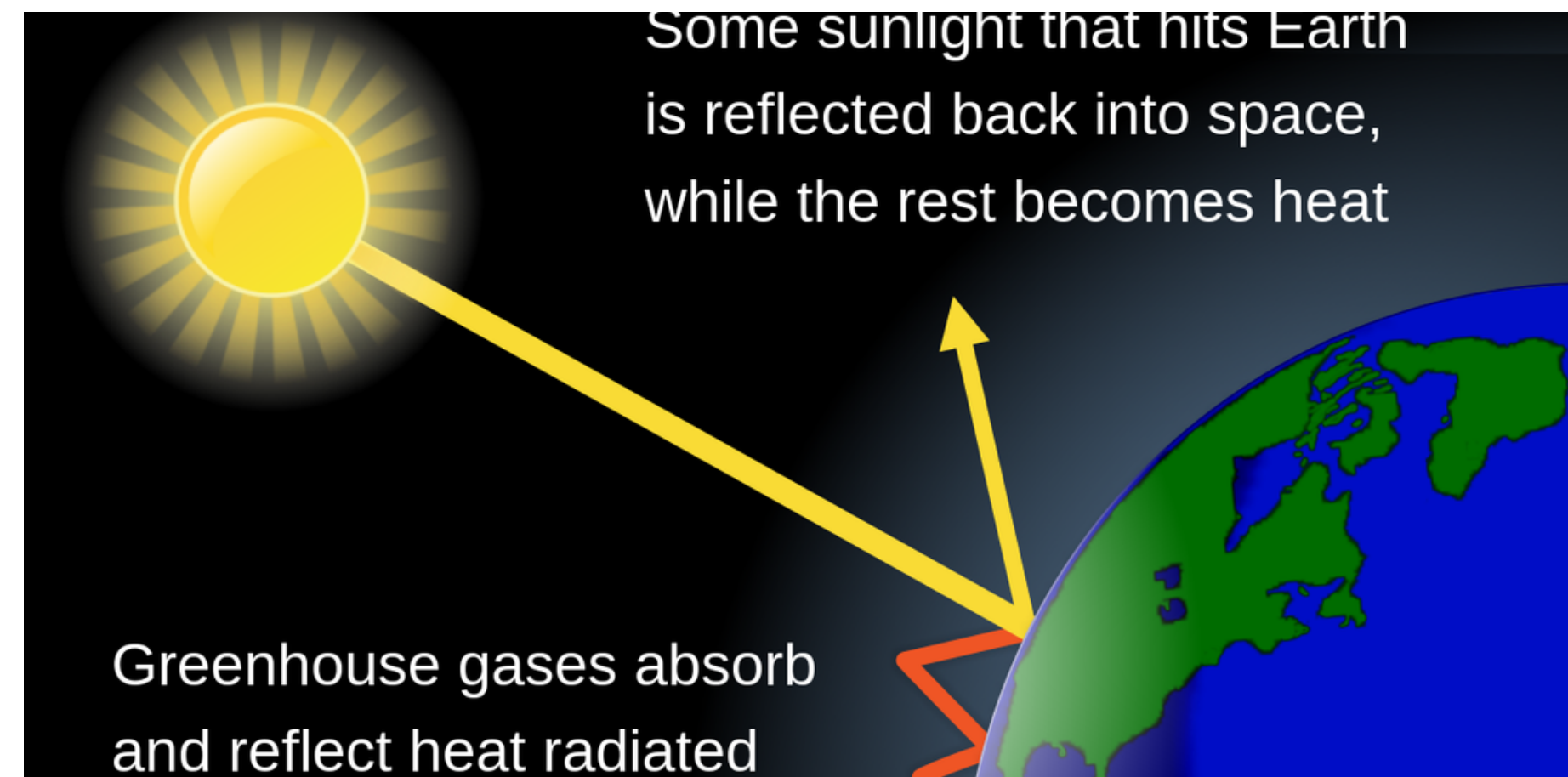
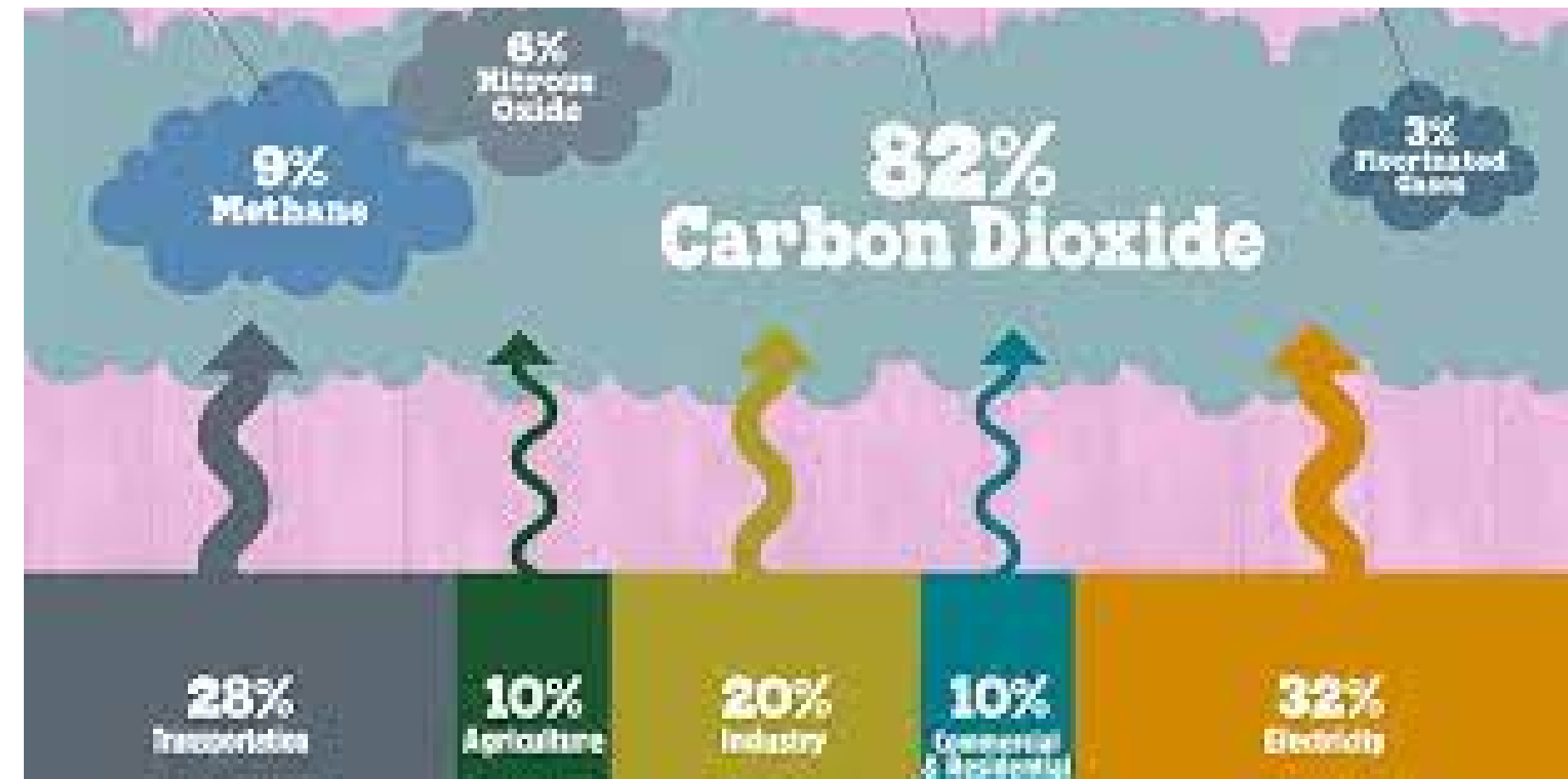
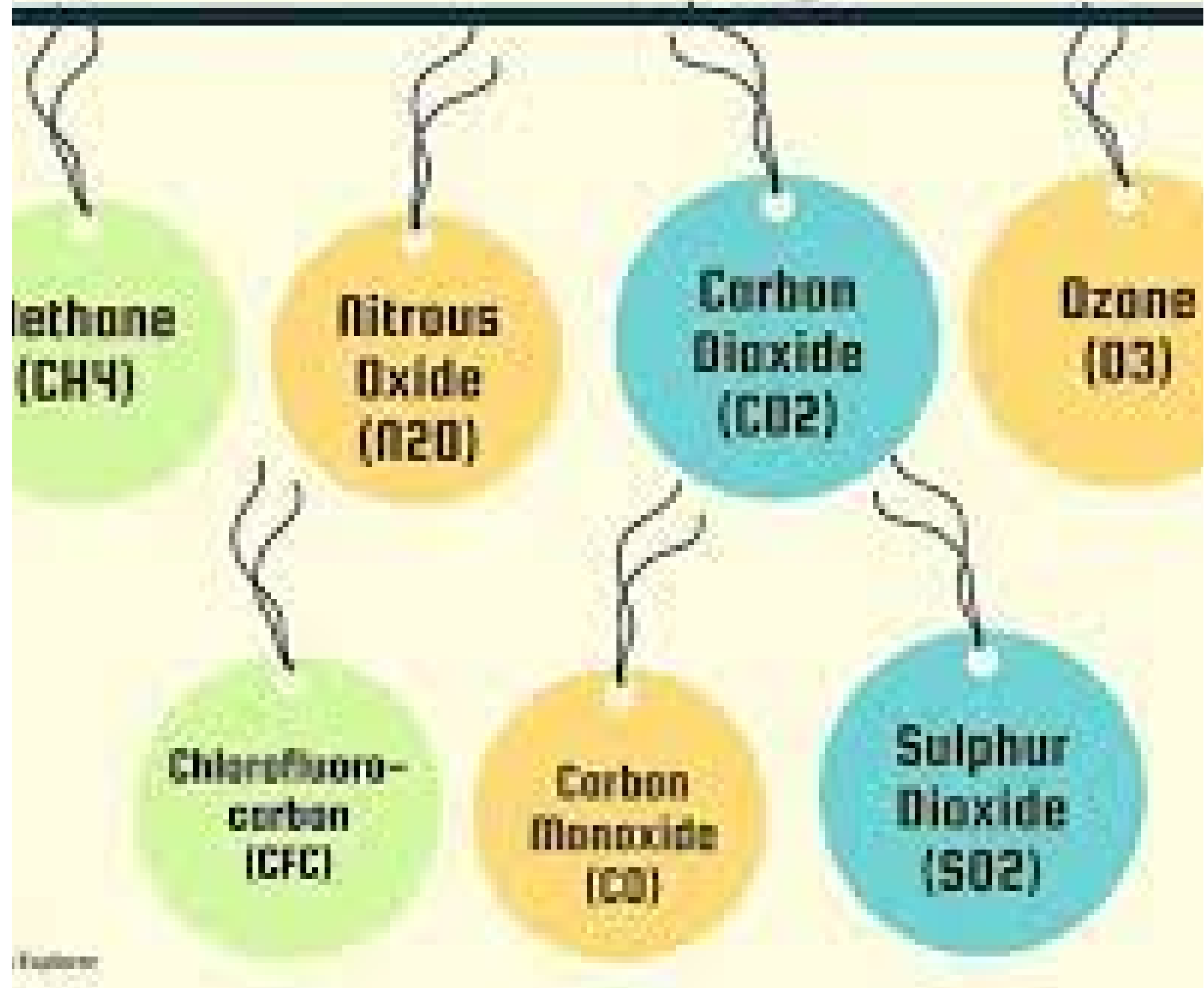
Figure 1: World population and cumulative deforestation, 1800 to 2010



Sources: Williams, 2002; FAO, 2010b; UN, 1999.

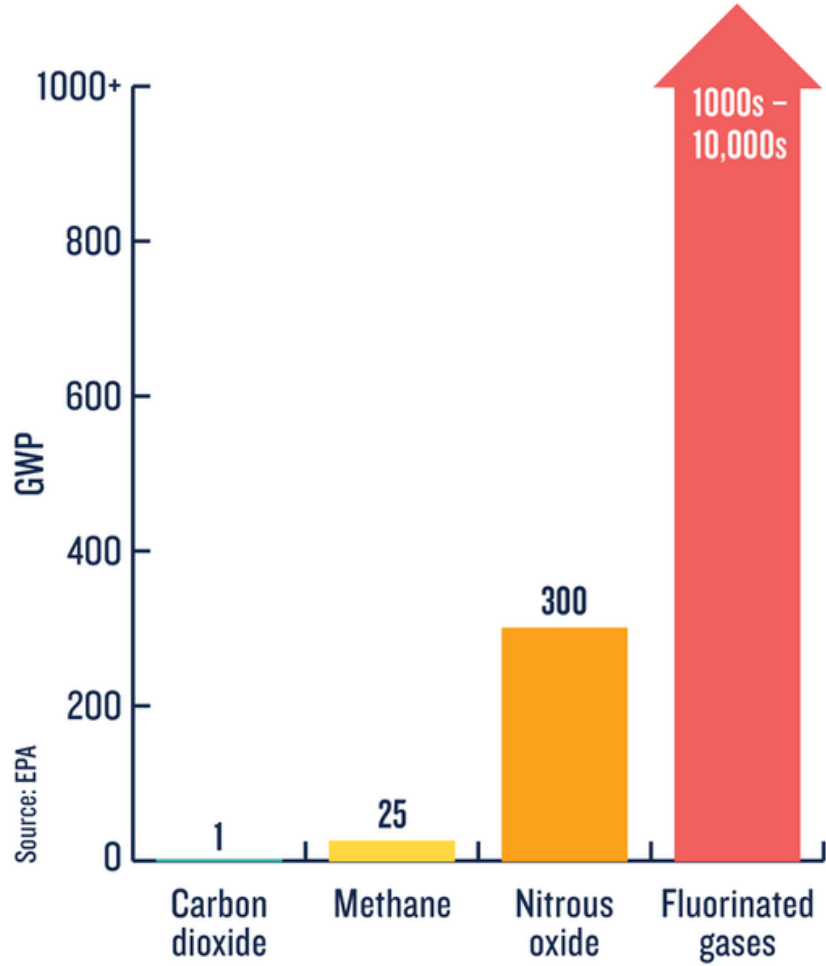


The Greenhouse Gases

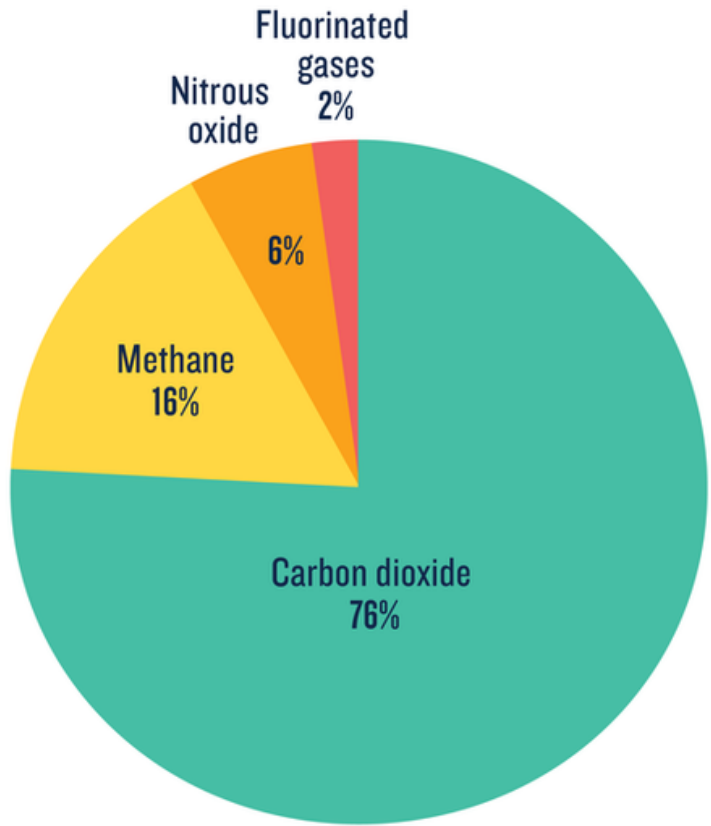




HOW GREENHOUSE GASES WARM OUR PLANET



The global warming potential (GWP) of human-generated greenhouse gases is a measure of how much heat each gas traps in the atmosphere, relative to carbon dioxide.

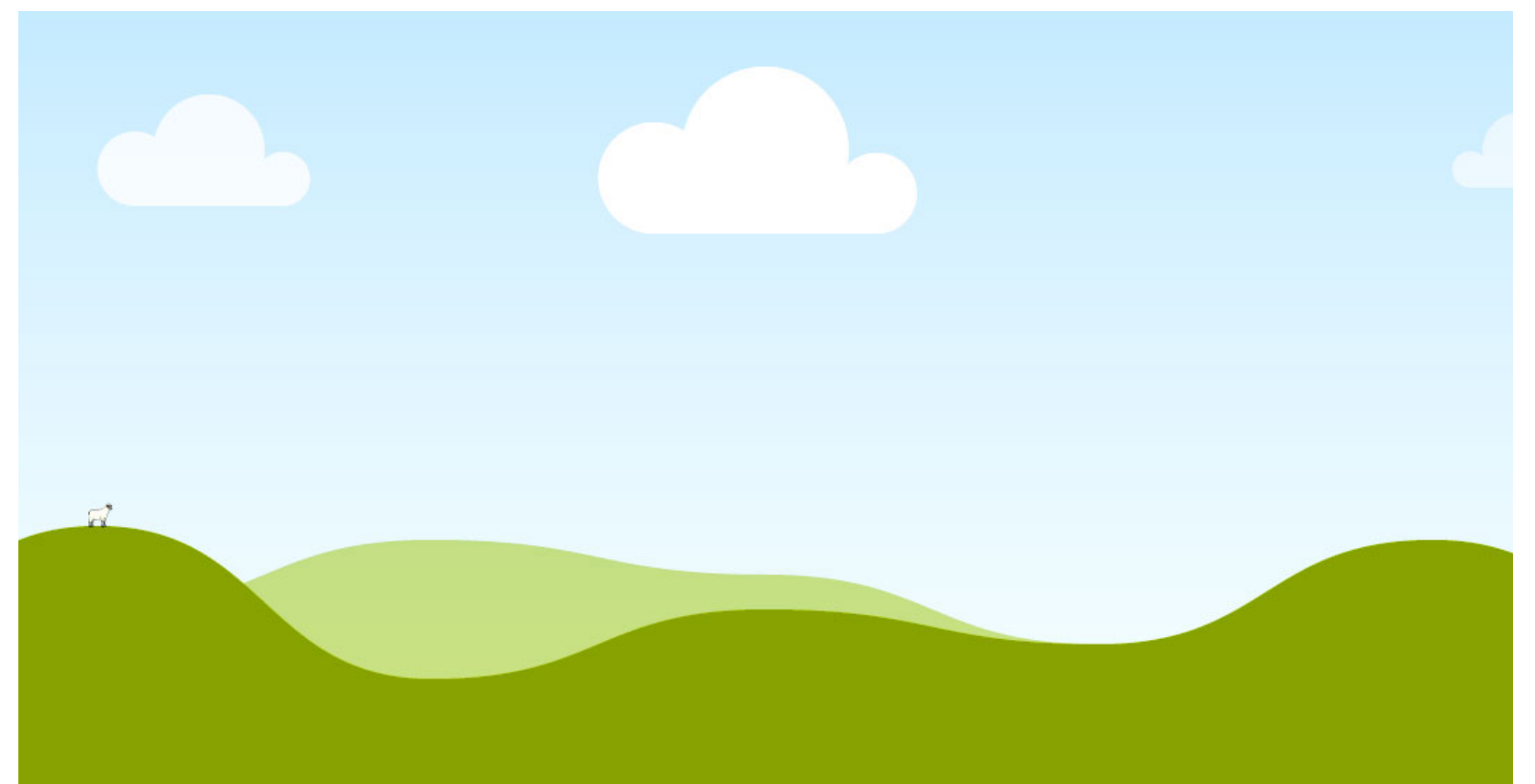
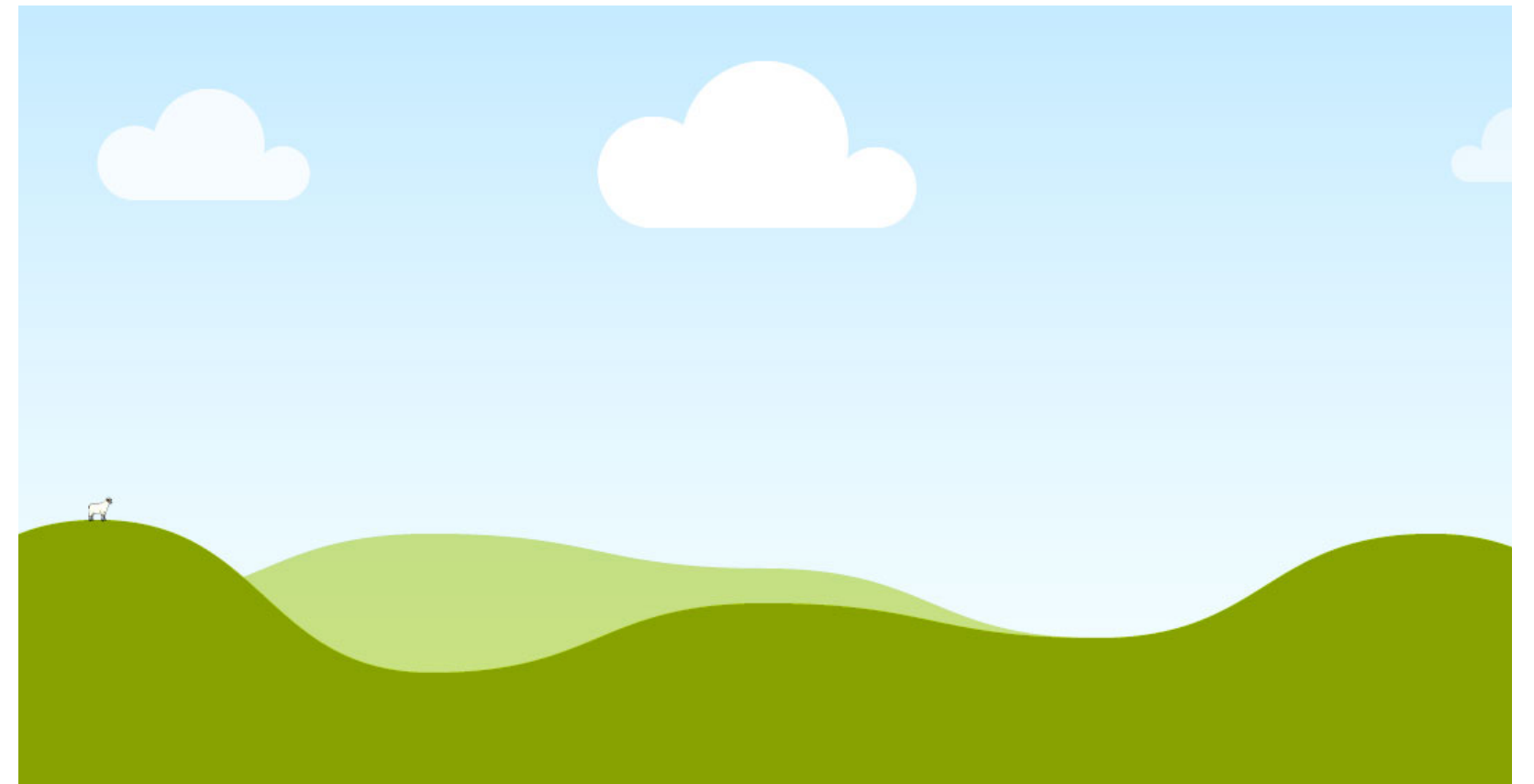
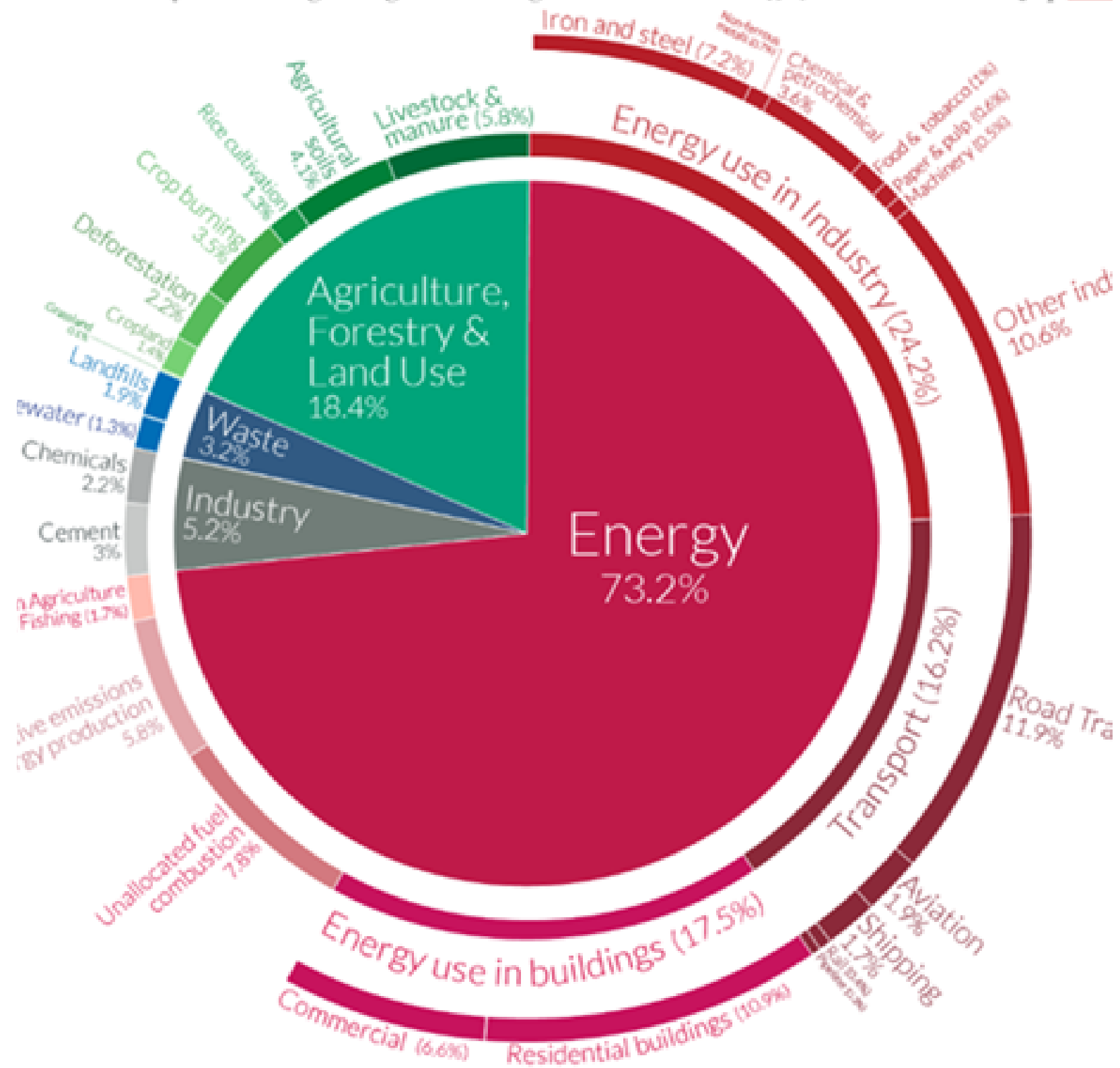


How much each human-caused greenhouse gas contributes to total emissions around the globe.



Global greenhouse gas emissions by sector

Shown for the year 2016 – global greenhouse gas emissions were 49.4 billion tonnes CO₂eq.



THE CARBON FOOTPRINT



What can you do to Reduce your Carbon Footprints?

- Install **Solarpanels** or switch to **Green power**
- Choose **Reusable**, Ditch **Single-Use**
- Install **Draught-proofing**
- Shop **Second Hand**
- Buy **Local food**
- Reduce **Food Waste**
- Replace **Halogen Lights**
- Train, Tram, Bus, Bike & Walk more**
- Thermostat to **20C in Winter & 25C in Summer**



CLIMATE CHANGE

INFOGRAPHIC



SOLAR RADIATION

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TEMPERATURE

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GLACIERS

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POLLUTION

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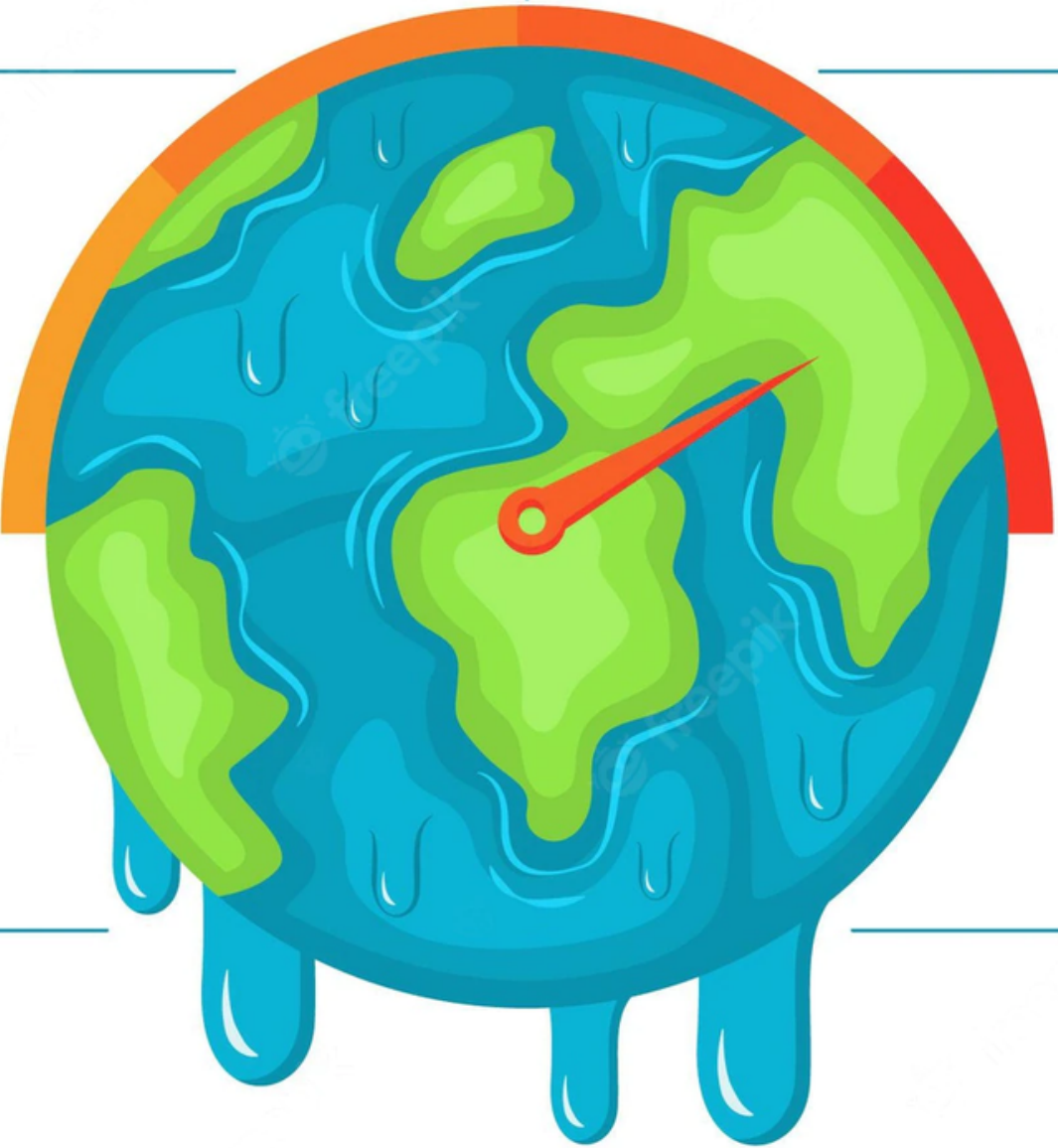
VEGETATION

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SEA LEVEL

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CLIMATE CHANGE

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KEEP OUR EARTH GREEN



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STOP CLIMATE CHANGE



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40.5m the highest figure
in a decade

9.8m
by conflict and violence

driven by persisting levels of violence
in the Democratic Republic of Congo,
Syria and Ethiopia

30.7m
by disasters

driven by intense tropical cyclone seasons,
monsoon rains and floods



East Asia and Pacific
186,000 | 12,063,000
(30.3% of the global total)



South Asia
409,000 | 9,241,000
(23.8%)



Sub-Saharan Africa
6,780,000 | 4,299,000
(27.4%)



The Americas
238,000 | 4,528,000
(11.8%)



Middle East and North Africa
2,076,000 | 341,000
(5.9%)

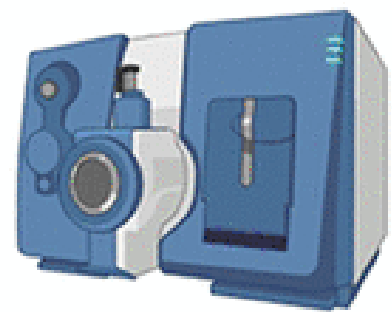
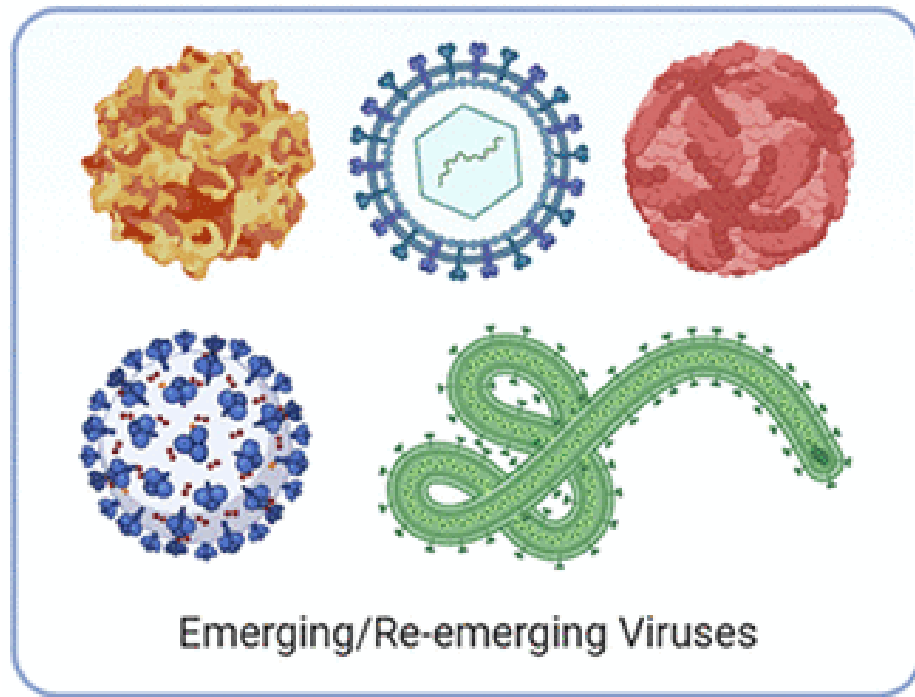


Europe and Central Asia
85,000 | 234,000
(0.8%)

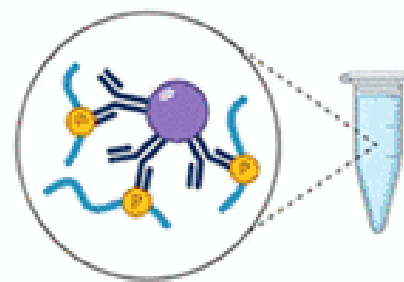
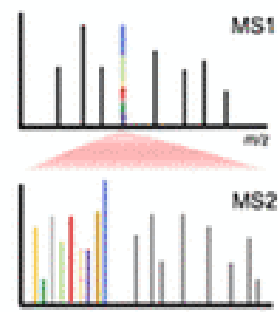


Climate Refugees

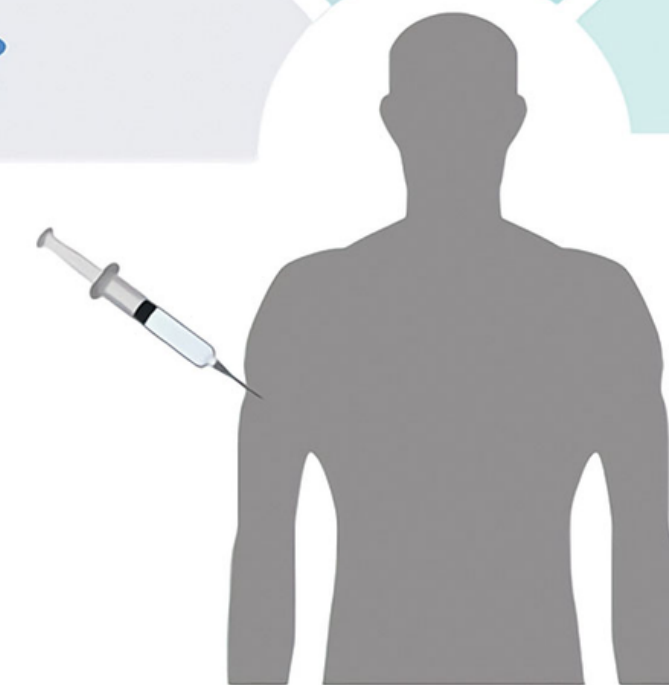
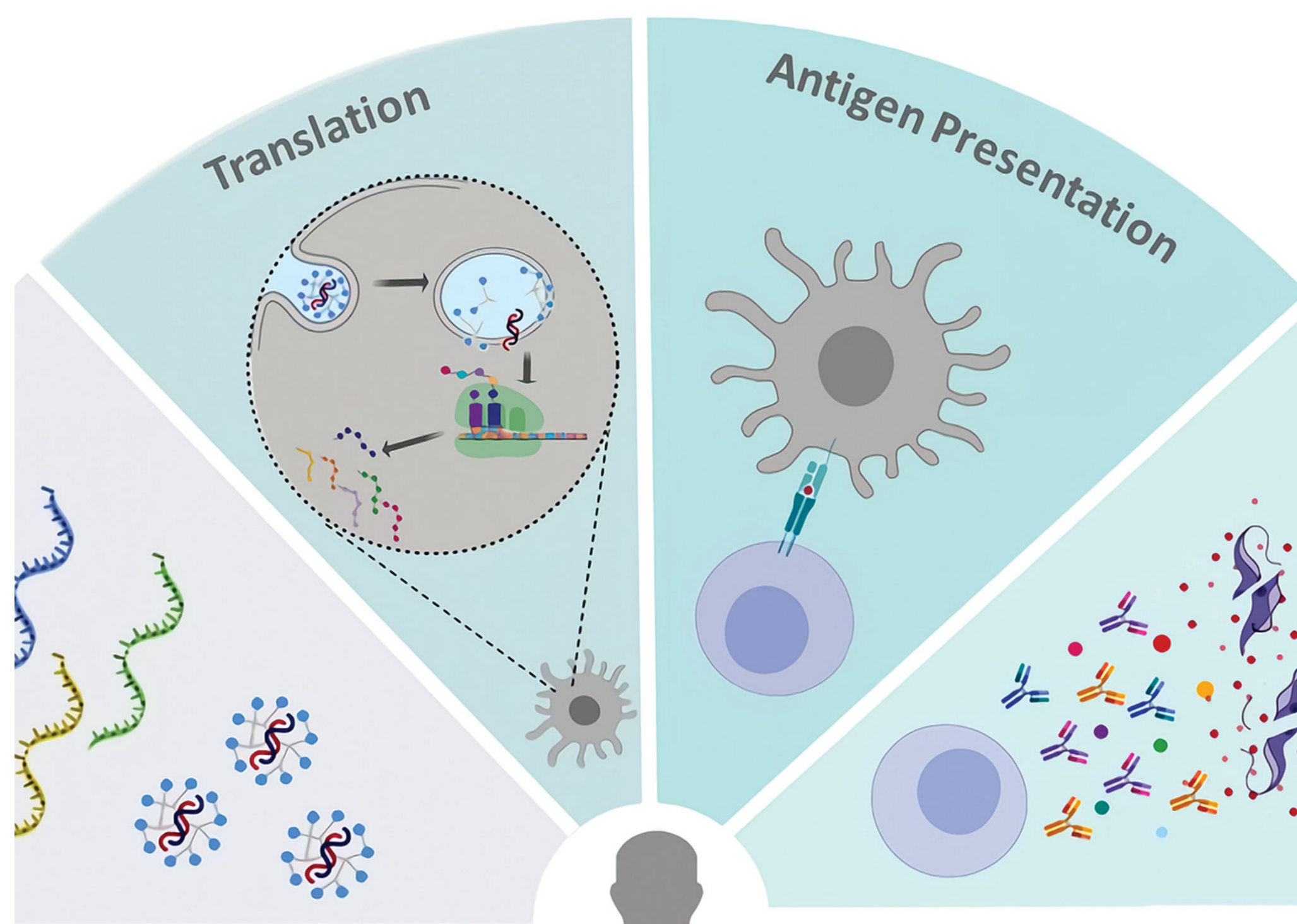




Global protein profiling



Targeted protein profiling



mRNA Vaccines





Climate crisis and human red code



CARBON DIOXIDE OVER 800,000 YEARS

