

# CLIMATE PROJECT

HIGH SCHOOL KE STUDENTS HAVE JOINED CLIMATE CHANGE  
PROJECT.

# CLIMATE VS WEATHER

WEATHER - SHORT TERM CHANGES TO THE ATMOSPHERE

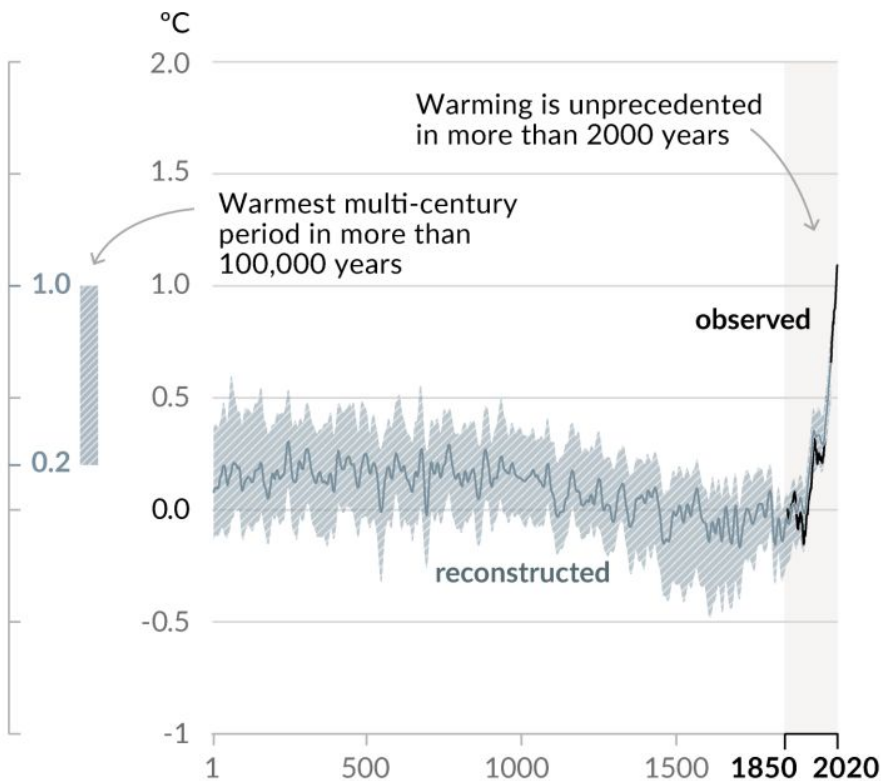
CLIMATE - LONGER TERM TREND OF WEATHER IN SPECIFIC REGIONS

# CLIMATE CHANGE VS GLOBAL WARMING

GLOBAL WARMING - GRADUAL WARMING OF EARTH'S ATMOSPHERE

CLIMATE CHANGE - SHIFT IN LONG - TERM WEATHER PATTERNS CAUSED BY  
GLOBAL WARMING

a) Change in global surface temperature (decadal average) as **reconstructed** (1-2000) and **observed** (1850-2020)



<https://niwa.co.nz/our-science/climate/information-and-resources/clivar/ipcc>

# GREENHOUSE GASES

GREENHOUSE GASES ARE GASES WHICH TRAP HEAT IN THE ATMOSPHERE.

THE MOST IMPORTANT GREENHOUSE GASES ARE **CARBON DIOXIDE** AND  
**METHANE**

# CRISIS POINTS

THREE MAIN HUMAN ACTIVITIES WHICH CAUSE CURRENT EMERGENCY:

- BURNING FOSSIL FUELS
- DEFORESTATION
- DESTRUCTION OF BIODIVERSITY

# JUST A FEW DEGREES

1. TODAY THE AVERAGE TEMPERATURE ON EARTH RISE ACROSS THE GLOBE. IN SOME PARTS TEMPERATURE HAS WARMED UP TO MORE THAN 1.1 C.
2. A FEW DEGREES IS ENOUGH TO CHANGE OUR EARTH - THAT'S WHAT WE KNOW FROM PAST CLIMATE CHANGES. A LONG TIME AGO TEMPERATURE ON EARTH WAS BARELY 4 - 6 C LOWER THAN TODAY. THIS SMALL CHANGE AFFECTED IN RISE IN WATER LEVEL.
3. IN EUROPE, BRITISH ISLES WERE NOT ISLANDS, THEY WERE CONNECTED TO EUROPE.
4. PLANTS AND ANIMALS IN OCEANS ALSO SUFFER. OCEANS ABSORB ONE THIRD OF CO<sub>2</sub>, IF THEY HADN'T BEEN DOING THAT, OUR EARTH WOULD HAVE BEEN DRAMATICALLY HOTTER THAN IT IS NOW. THIS ACTION HAS A HUGE IMPACT ON ANIMALS WHICH LIVE IN OCEANS.

# CLIMATE CHANGE AND BIODIVERSITY LOSS

## WHAT IS BIODIVERSITY

BIODIVERSITY IS THE MOST IMPORTANT IN REDUCING CLIMATE CHANGE. HEALTHY ECOSYSTEMS ABSORB AND LOCK AWAY CARBON, AS WE DESTROY THEM WE MAKE CLIMATE CHANGE HARDER TO STOP.

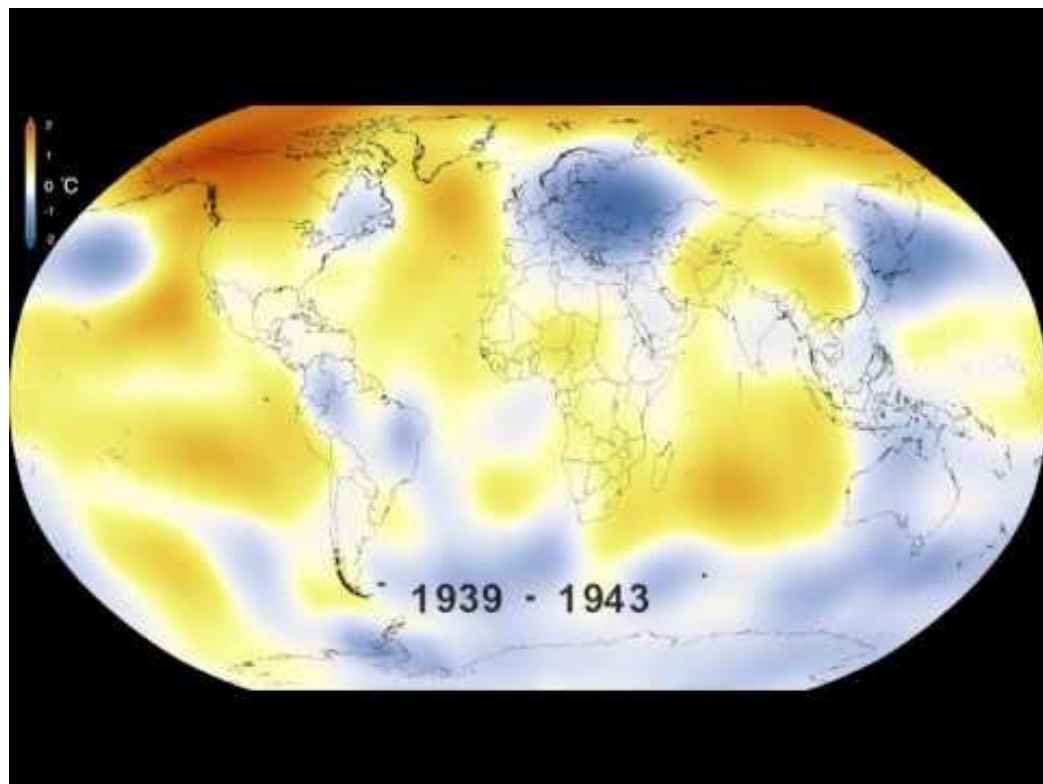


# LINK BETWEEN BIODIVERSITY AND CLIMATE CHANGE



## FACING THE FUTURE

IF WE CONTINUE TO TAKE MORE FROM OUR PLANET THAN WE PUT BACK  
THEN WE RISK ITS VERY SURVIVAL. BUT WE STILL CAN HELP....



# BIBLIOGRAPHY

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