



THE MIGHTY THAW

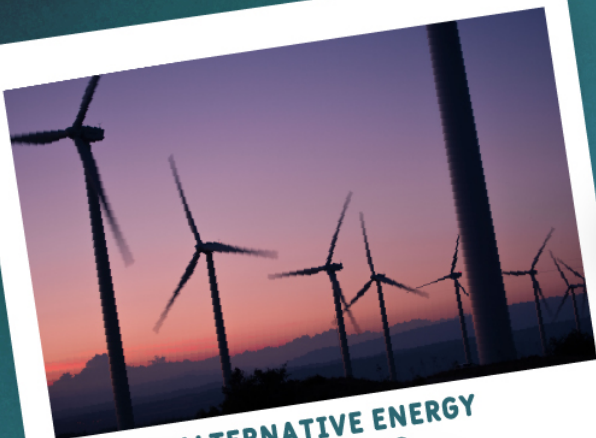


H O W



GLACIERS & SEA ICE IN THE FACE OF GLOBAL WARMING





ALTERNATIVE ENERGY SOLUTIONS

LEARN ABOUT AND USE ALTERNATIVE ENERGY. SOLAR PANELS ARE MADE UP OF SOLAR CELLS THAT TRAP THE HEAT FROM THE SUN AND CONVERT IT INTO ENERGY.

WIND TURBINES ARE TOWERS THAT USE THE KINETIC ENERGY FROM THE WIND TO GENERATE POWER.

ELECTRIC CARS ARE BATTERY-POWERED INSTEAD OF RELYING ON THE HIGHLY POLLUTING INTERNAL COMBUSTION ENGINE.

(SCIENCING.COM)

A 2019 SWISS STUDY ESTIMATED THAT, GLOBALLY, THERE IS THE POTENTIAL TO PROTECT AND REGROW TREES ON ABOUT 3.5 MILLION SQUARE MILES OF LAND.

BY DOING SO, THIS WOULD INCREASE THE GLOBAL FOREST COVER BY 25 PER CENT AND CAPTURE AND STORE ABOUT A QUARTER OF THE CARBON IN THE ATMOSPHERE WHEN THE FORESTS MATURE.

(INSIDECLIMATENEWS.ORG)



PLANT MORE TREES



**ADVOCATE FOR THE FIGHT
AGAINST GLOBAL WARMING**

DRIVE AS LITTLE AS POSSIBLE. MANY URBAN AREAS SUCH AS SINGAPORE HAVE EXCELLENT PUBLIC TRANSPORTATION NETWORKS.

YOU CAN CARPOOL, CYCLE, WALK OR JOG TO YOUR DESTINATION. SAVE POWER AT HOME BY TAKING SHORTER SHOWERS. TURN OFF THE WATER WHILE BRUSHING YOUR TEETH. TURN OFF LIGHTS WHEN THEY ARE NOT IN USE. UNPLUG ELECTRONICS WHEN THEY ARE NOT BEING USED. THESE ARE SMALL ACTS, BUT IMPACTFUL WHEN DONE ON A LARGE SCALE.

(SCIENCING.COM)

ARE WE AWARE THAT OUR SMALL ACTIONS AT HOME CREATES A DOMINO EFFECT THAT AFFECTS THE LIVES OF BOTH ANIMALS AND PEOPLE ACROSS THE WORLD?

BE IT AFFECTING OR SAVING THE EARTH, WE ALL HAVE A PART TO PLAY.

DO YOURS AND SPEAK UP. TALK TO YOUR FAMILY, GET ON SOCIAL MEDIA AND POST FOR YOUR FRIENDS TO SEE, SPEAK ABOUT IT AT WORK FOR YOUR COLLEAGUES TO LEARN.



INDIVIDUAL SOLUTIONS



#What
Now?

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The Mighty Thaw!

GLACIERS & SEA ICE IN
THE FACE OF GLOBAL WARMING

95% OF THE
OLDEST AND THICKEST
SEA ICE IN THE ARCTIC
IS ALREADY GONE.

IF EMISSIONS CONTINUE
TO RISE UNCHECKED,
THE ARCTIC COULD BE
ICE FREE BY

2040 AS OCEAN AND
AIR TEMPERATURES
CONTINUE TO RISE RAPIDLY.

(WORLDWILDLIFE.ORG)

WHAT'S THE CONSEQUENCE OF
SUCH MELTING RATES?
HOW LONG MORE DO WE HAVE
TILL IT'S TOO LATE?

HERE ARE SOME FACTS ABOUT THE
MELTING OF GLACIERS AND SEA ICE.



Why

① EMISSIONS



HAVE RAISED TEMPERATURES.
AS A RESULT, EVEN HIGHER IN THE POLES
GLACIERS ARE RAPIDLY MELTING, CALVING OFF
INTO THE SEA AND RETREATING ON LAND.

(WORLDWILDLIFE.ORG)



② HUMAN ACTIVITY

THESE GREENHOUSE GASES (GHGS)
PRODUCED BY:



INDUSTRIALS



BURNING
FOSSIL FUELS



DEFORESTATION



TRANSPOR

AMONGST OTHER HUMAN ACTIVIT
CAUSES THE PLANET TO WARM.
(IBERDROLA.COM)

What

WHEN TEMPERATURES RISE,
ICE MELTS

MORE WATER FLOWS TO THE SEAS
AND OCEAN WATER
WARMS AND EXPANDS



(NATIONALGEOGRAPHIC.COM)

RISING SEA ↑ ↑
LEVELS INCREASE 

 COASTAL EROSION

 ELEVATES STORM SURGE
AS WARMING AIR

 OCEAN TEMPERATURES
WHICH CREATE MORE

**FREQUENT &
INTENSE** 

 COASTAL STORMS LIKE
HURRICANES AND TYPHOONS

(WORLDWILDLIFE.ORG)

GLOBAL SEA LEVEL
RISE COULD EXCEED
ONE METRE



BY 2100

IF THIS WERE TO OCCUR,
MANY SMALL ISLAND STATES
WOULD EXPERIENCE THEIR
CURRENT ONCE-IN-A-
100-YEAR FLOOD EVERY
OTHER DAY
AND BECOME
UNINHABITABLE, 

**GLOBAL
DISPLACEMENTS**

(THECONVERSATION.COM)

Where



THEIR MASSIVE ICE FIELDS, MONSTROUS GLACIERS, AND SEA ICE ARE DISAPPEARING, **FAST**

(NATIONALGEOGRAPHIC.COM)

RIGHT NOW, THE GREENLAND ICE SHEET IS DISAPPEARING

4X
FASTER THAN IN 2003
AND CONTRIBUTES **20%** OF CURRENT SEA LEVEL RISE.

(WORLDWILDLIFE.ORG)

THE RISING SEA WILL SEEP INTO CRUCIAL UNDERGROUND WATER SOURCES (AQUIFERS)



THAT ACCOUNT FOR MOST OF THE PLANET'S FRESHWATER. SALT WATER IS UNSAFE TO DRINK. AND WHILE IT IS POSSIBLE TO REMOVE THE SALT FROM WATER, DOING SO IS EXPENSIVE & COMPLICATED

(KIDS.FRONTIERSIN.ORG)

When



GARHWAL HIMALAYA GLACIERS IN INDIA ARE RETREATING SO FAST, THAT RESEARCHERS BELIEVE THAT MOST CENTRAL & EASTERN HIMALAYAN GLACIERS COULD VIRTUALLY DISAPPEAR BY **2035**

(NATIONALGEOGRAPHIC.COM)

WITHOUT RAPID CUTS TO CARBON EMISSIONS, ANALYSIS INDICATES THERE COULD BE A RISE IN SEA LEVELS THAT WOULD **LEAVE** 400 MILLION PEOPLE EXPOSED TO COASTAL FLOODING



EACH YEAR BY THE END OF THE CENTURY.

(THEGUARDIAN.COM)

THE FAMED SNOW OF KILIMANJARO HAVE MELTED MORE THAN

80%
SINCE 1912

(NATIONALGEOGRAPHIC.COM)



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