

Air: Search for 1 Clean Breath (documentary produced by State of California)

Smog = combination of smoke and fog

China → has some of the most polluted air in the world. It is not uncommon for citizens of largest cities to wear medical masks to protect their lungs from pollutants.

Industrial Revolution → started in late 1700's.

Advances in science supported the invention of machines and cars and factories.

Society changed from largely farm based to more city based.

Machines/cars/industries burn fossil fuels adding pollutants and GH gases to air.

Anarctic → snow falls and traps pollution and atmospheric gases of the day.

Snow keeps falling and doesn't melt so the ice (compressed snow turns to ice) contains a history of earth's air. This goes back 10,000's of years!

You can "drill for old air" and capture the gas bubbles frozen in the ice and analyze air from our past

Hugely valuable information !!

Iceland → 300,000 people. Trying to be a country that does NOT burn any fossil fuels!

Where will their energy come from? Geothermal energy which naturally is abundant will be used to create hydrogen gas. Burning H₂ does NOT release any GH gases.

What can YOU do?

1 → reduce the energy that you use. MOST energy relies on the burning of fossil fuels (releasing GH gases) although we are slowly trying to use 'greener' resources.

2 → Join/support groups and politicians that are trying to reduce the use of fossil fuels and support the use of 'greener' energy

3 → Purchase cars/homes/products that reduce the use of energy, fossil fuels and use 'greener' sources of energy.