

Greenhouse effect - Global warming

Earth's greenhouse gases :

1. Carbon dioxide
2. Methane
3. Nitrous oxide
4. Water vapour.

Greenhouse gases' effect on the Earth:

Trap heat in the atmosphere and warm the planet.

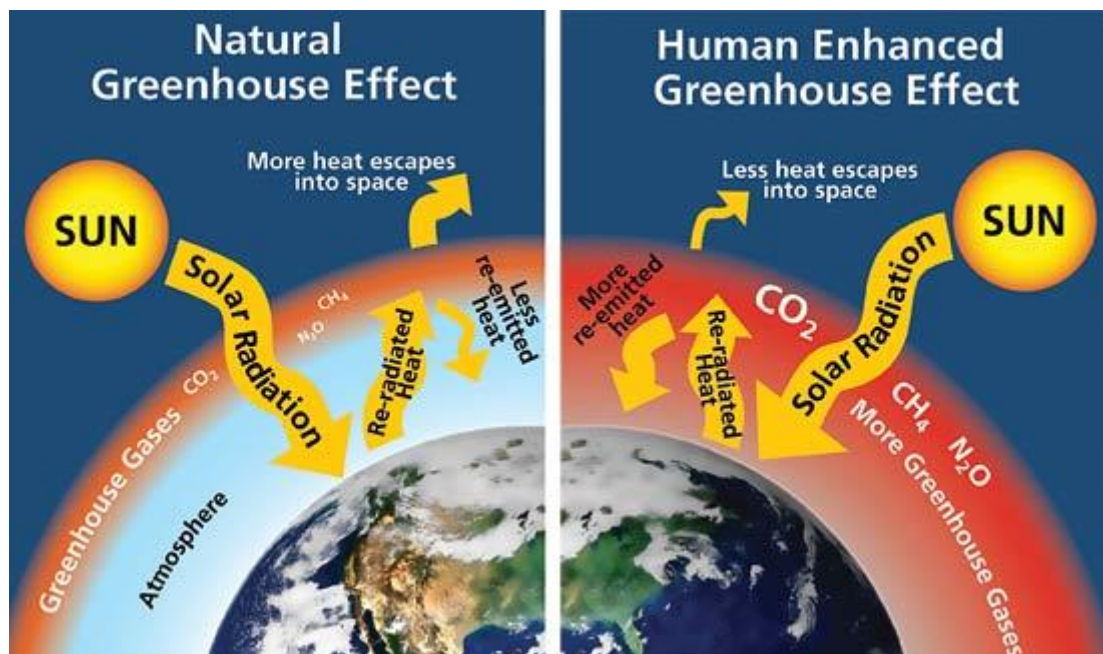
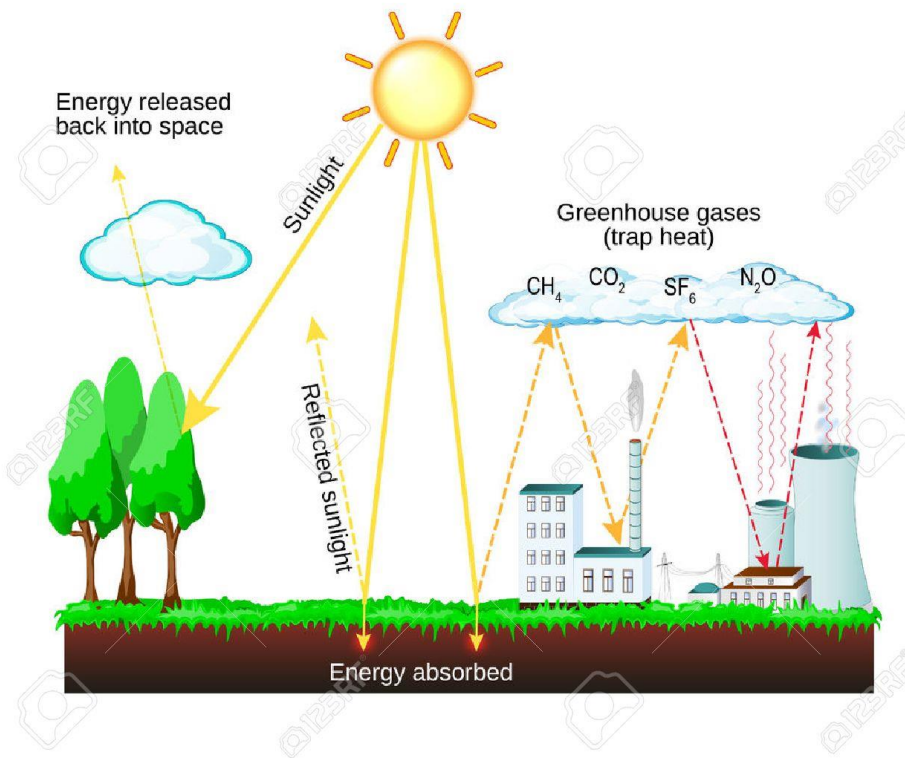


Figure 1. Comparison between natural and human enhanced Greenhouse gases on the heat escapes from Earth into space.

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Greenhouse effect



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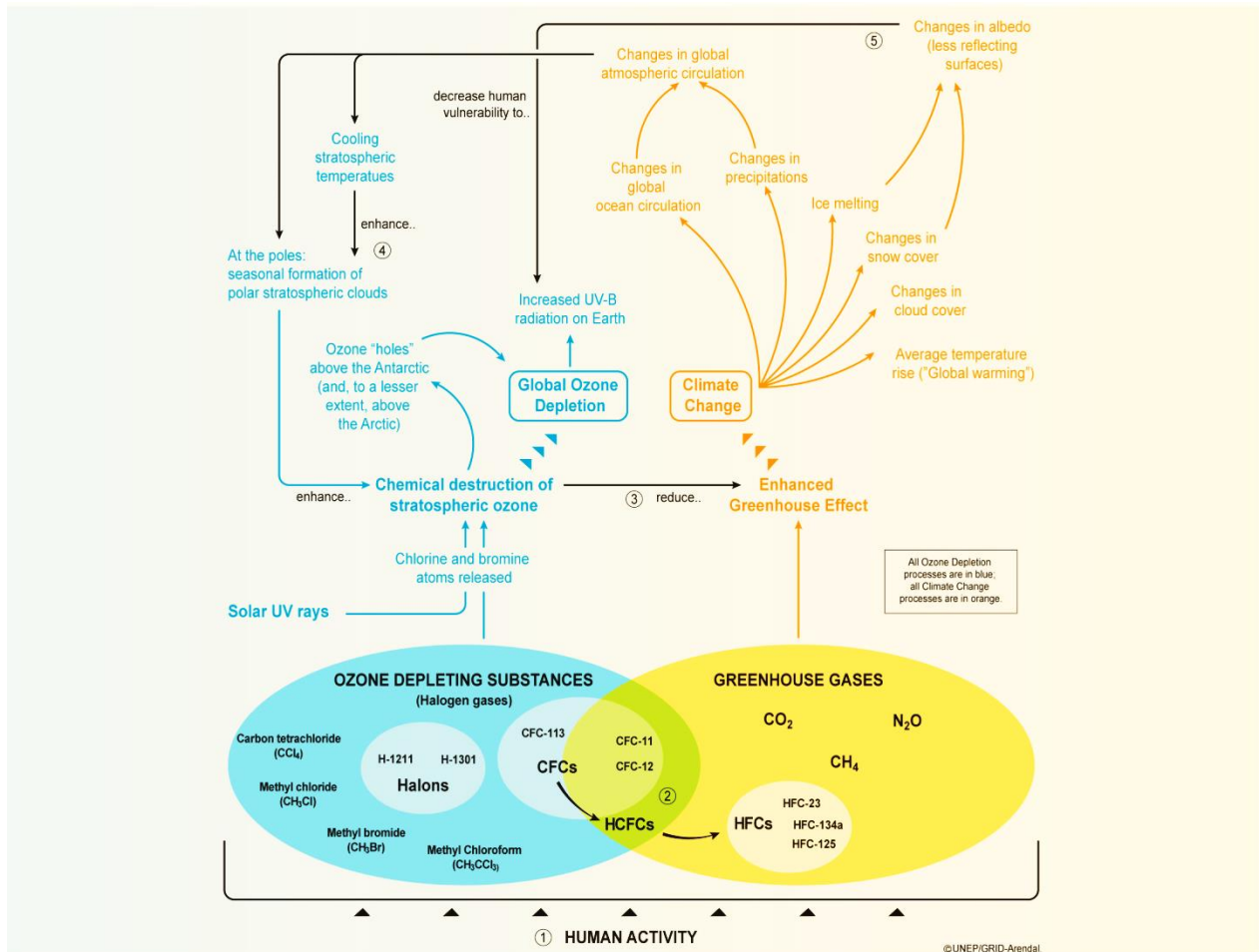


Figure 2. Ozone depletion and climate change.

Action to protect the ozone layer

1. International Day for the Preservation of the Ozone Layer, September 16.
2. The Montreal Protocol
3. European Union (EU regulation)

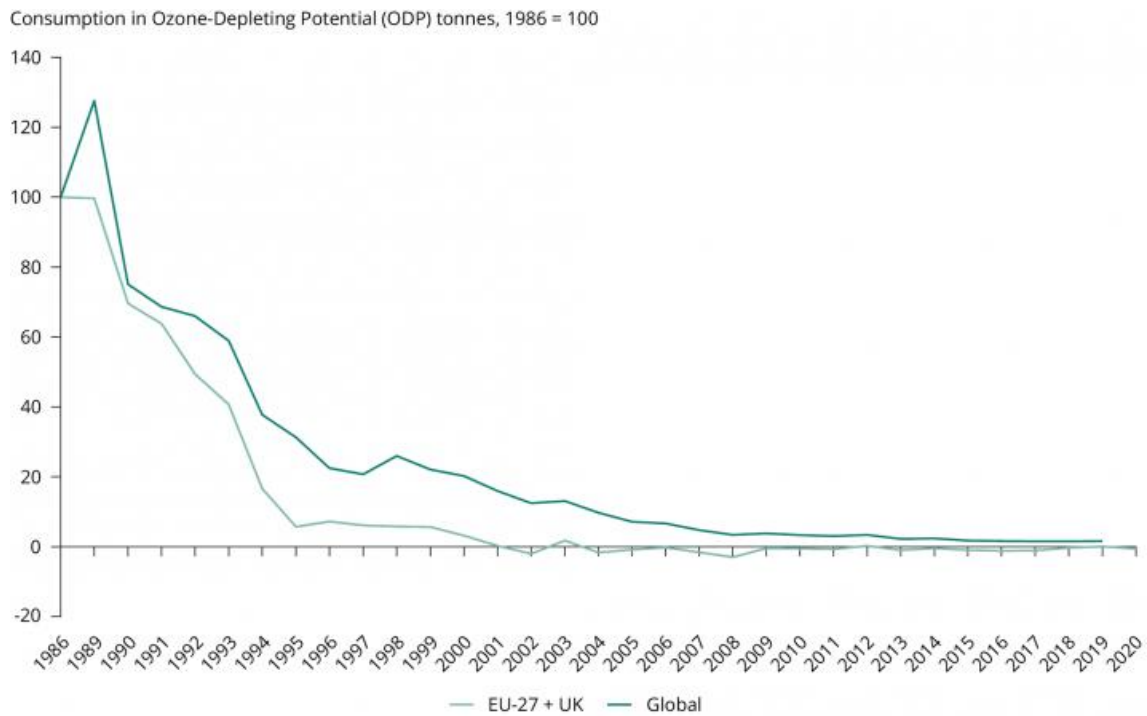


Figure 3. European Environment Agency is consuming controlled ozone-depleting substances (ODS) (EU-27 + UK and global level).

Air Pollution Control Systems

Management of air pollution in a country or region needs policy, resources, legislation and equipment.

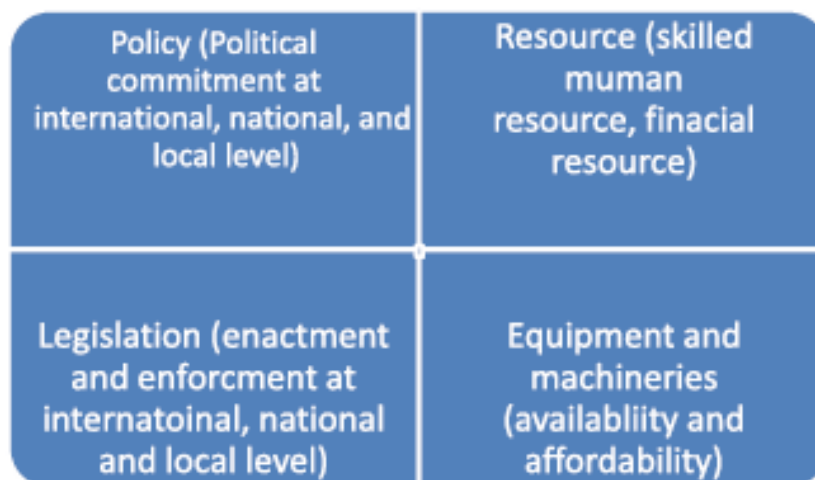


Figure 4. Air Pollution Control Systems

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Control of Air Pollution

1. Elimination: remove the sources of pollution.
2. Engineering controls: Prevent exposure to a hazard by barrier or pollution control equipment.
3. Administrative controls: Change work practices as well as management policies.
4. Personal Protect Equipment (PPE): use gloves, masks, hearing protection, safety eyewear, respirators, or other protective equipment.