

### Trees to reduce air pollution

#### China:

- China is the world's largest polluter
- China is looking to increase its level of forestation by 1.3 percent
- China exceeds the second biggest polluter (USA) by 100%
- China supports the Paris agreement
- Paris agreement aims to reduce industrial temperature rise below 2%
- PM2.5 is a main pollutant in haze in Beijing

#### Greenhouse gases facts:

- Animals that inhale oxygen breathe out carbon dioxide
- Carbon dioxide is the main pollutant that warms the earth
- Sulfur dioxide is a part of what makes smog
- Sulfur dioxide can also cause acid rain
- CFCs and HFC directly lead to Ozone hole depletion
- Carbon dioxide has no direct effect on air pollution
- Indirect effect differs from equator to poles

#### Trees

- People cannot agree if trees should be planted to reduce pollution
- Convert oxygen to carbon dioxide
- Trees can restrict airflow
- Trees can also stop gases from escaping up from the ground
- Trees reduce carbon dioxide levels but nitrogen oxides and particulate matter are more of a health risk
- PM near a tree can be reduced by 7-24%
- Broad and rough leaf trees are better at capturing PM
- Trees can help make people feel better
- Trees can have an effect on isoprene which can affect air pollution
- A lot of factors need to be taken into consideration when planting trees

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