

COVID-19 Lockdown Scenario: A Confirmation of Industry Driven Climate Change in the Present Era

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Projected climate changes

Continued emissions of greenhouse gases will cause further warming and changes in the climate system



Oceans will continue to warm during the 21st century



Global mean sea level will continue to rise during the 21st century



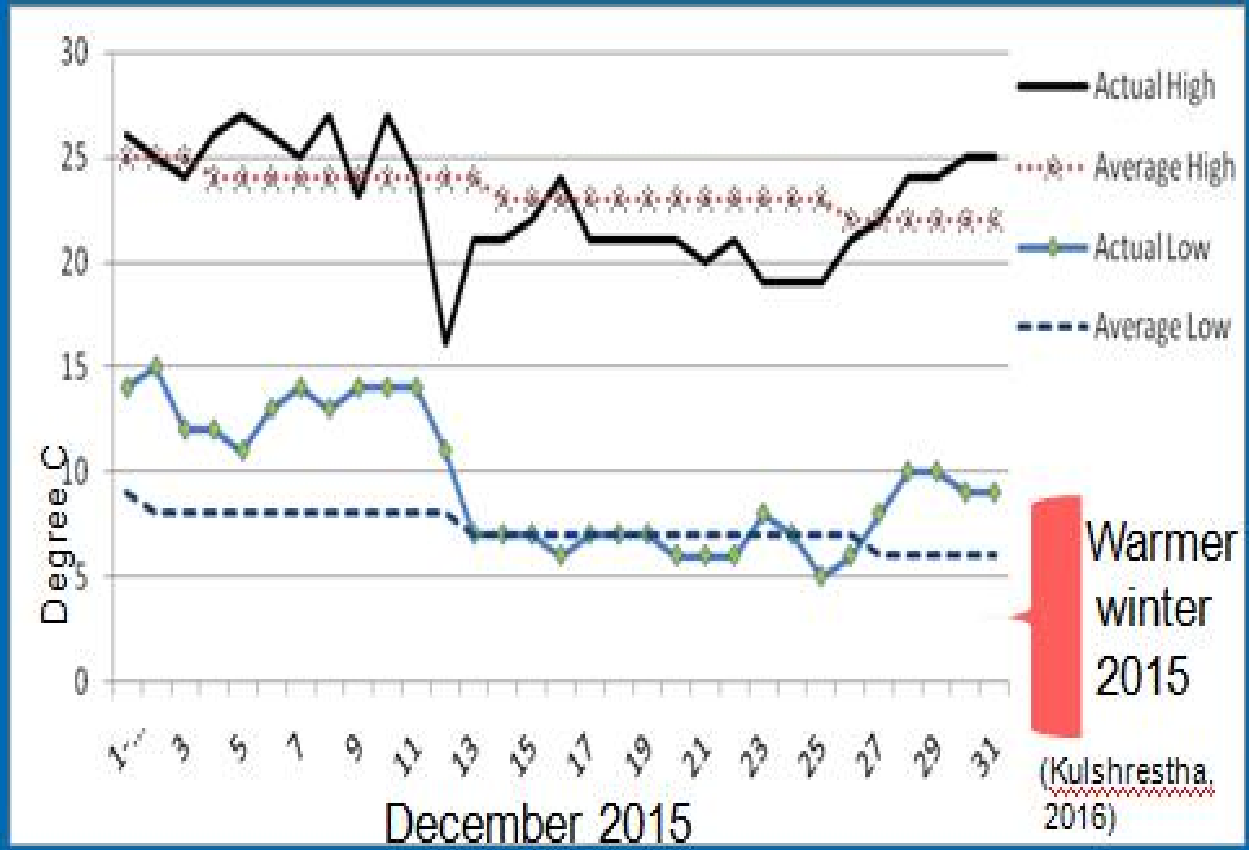
It is very likely that the Arctic sea ice cover will continue to shrink and thin as global mean surface temperature rises



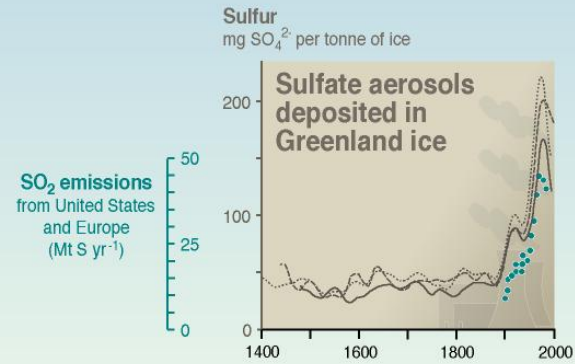
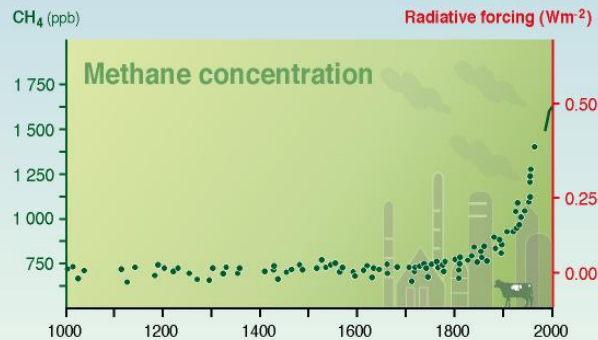
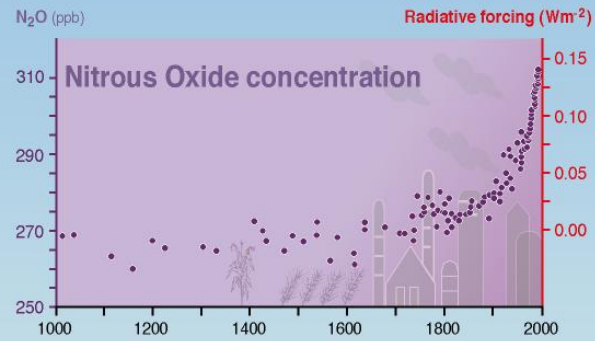
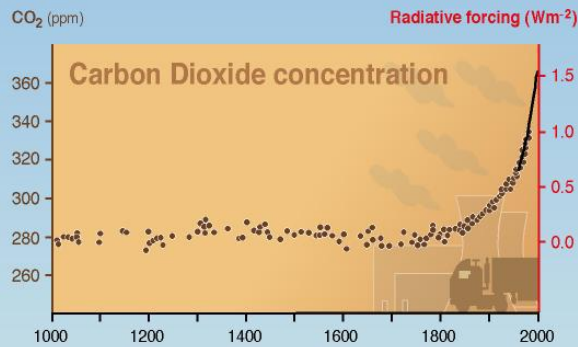
Global glacier volume will further decrease

AR5 WGI SPM

Actual Highs and Lows of temperature vs Average Highs and Lows of temperature at Delhi during December 2015



Indicators of the human influence on the atmosphere during the Industrial era



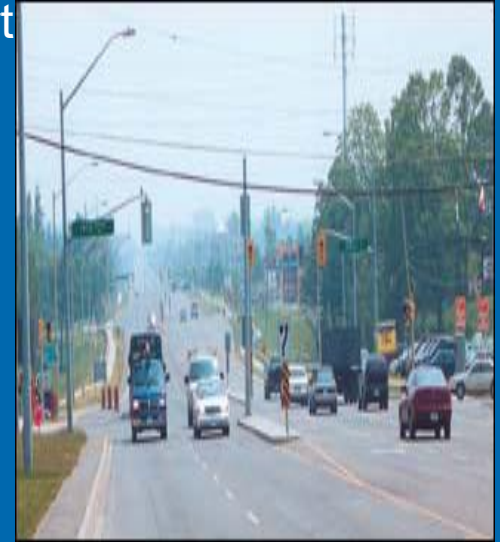
SYR - FIGURE 2-1
WG1 FIGURE SPM-2

Sources of Air Pollution

Industries



Transport



Traditional Cooking



Biomass Burning



COMPARISON WITH AIR POLLUTION LAST YEAR

CITY	AQI (25-27 MAR) 2019	AQI (25-27 Mar) 2020	CHANGE %
BHIWADI	221 	42 	-81 
MANDI GOBINDGARH	149 	42 	-72 
MANESAR	158 	46 	-71 
GHAZIABAD	168 	81 	-52 
KHANNA	75 	34 	-55 
NOIDA	141 	71 	-50 
BALLABHGARH	217 	51 	-76 

Air Quality Index



Source: Central Pollution Control Board



Summary

The COVID-19 global lockdown is a confirmation that the fossil fuel burning is really responsible for the present global warming and climate change.

This is going to be a real-time Global Atmospheric Laboratory Experiment (GALE).

- Air quality is improved round the globe.
- River streams are seen cleaner.
- Visibility is increased.
- More birds are seen during the lockdown.
- Migration patterns are affected.

Observations of COVID-19 period will reduce uncertainties for Medium and Low confidence factors- Short-lived gases and aerosols.

After the lockdown, the industry should start under controlled emissions.

Immediate need to opt for cleaner fuels.

Need to work out % equitable ratios for resource consumption.

50 Years of
Earth Day



Save the Planet