

The Effects of Globalization on Climate Change

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Objectives

- ❖ Examine the major causes of climate change
- ❖ Understand sociological perspectives on global warming and climate change
- ❖ Identify how to change global warming practices

Climate Change vs. Global Warming

❖ Climate Change

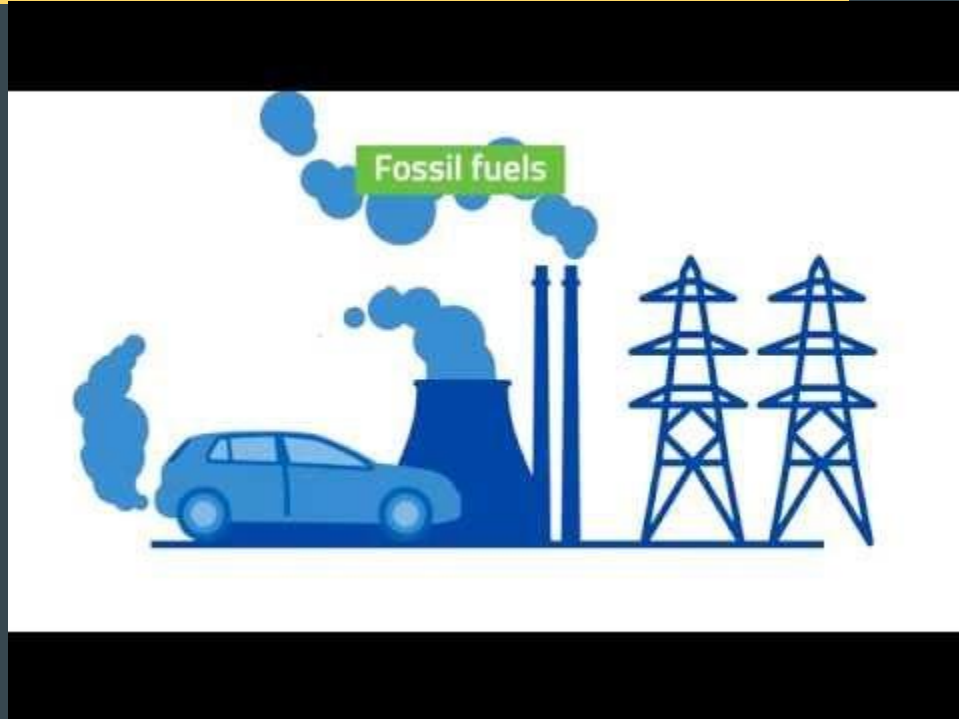
- Long-term changes in Earth's climate (Stillman & Miller 2017: 1)
- Not restricted to temperature

❖ Global warming

- increasing average global air temperature
- Caused by the “accumulation of various greenhouse gases that collect in the atmosphere” (Mooney et al. 2011: 480)

Threats of Global Warming

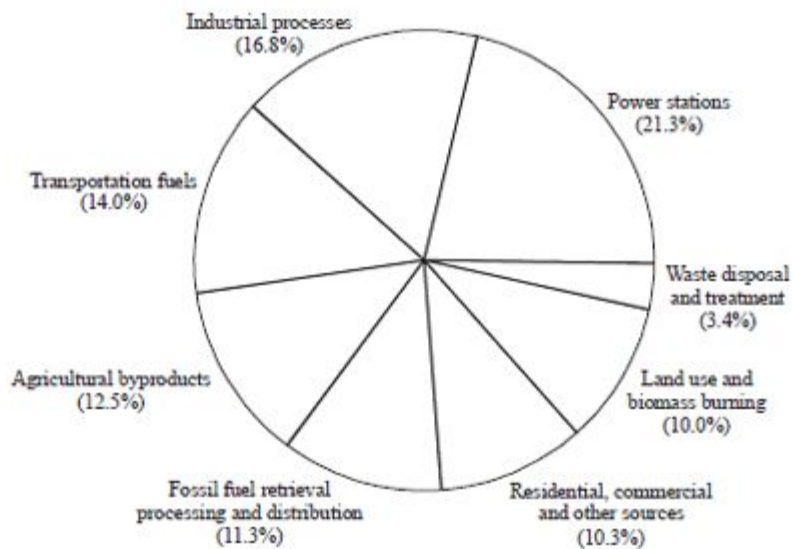
Stop at 58 s <https://www.youtube.com/watch?v=-n4A0BssFd0>



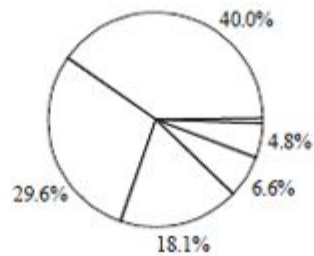
How Globalization Contributes

- ❖ Population growth
- ❖ Increases in greenhouse gases
 - Burning of fossil fuels
 - Manufacturing and shipping goods internationally
 - International travel
 - Use of cars (Mgmbemene et al.)\
- ❖ Infectious diseases may be a result of climate change

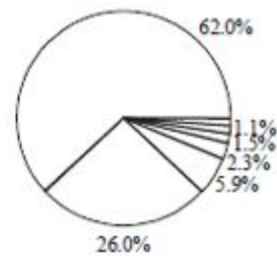
Annual greenhouse gas emissions by sector



Carbon dioxide (72% of total)



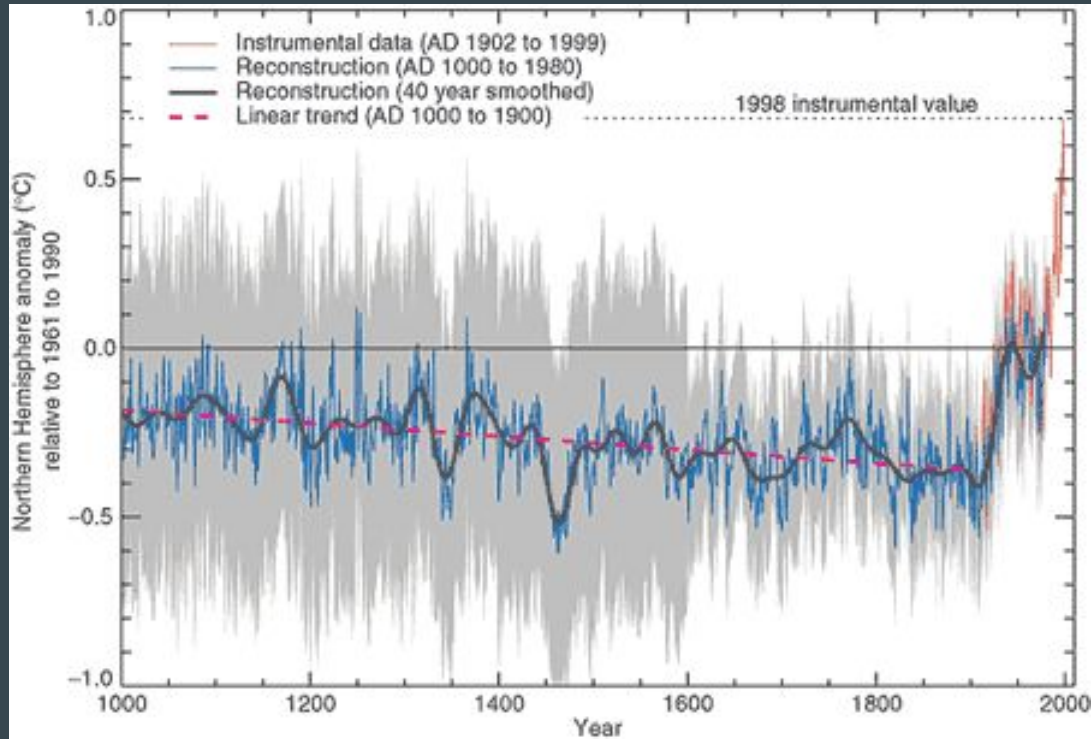
Methane (18% of total)



Nitrous oxide (9% of total)

Global Warming Trends

Mann, 2016



Sociological Perspectives

Conflict Perspective:

- ❖ Groups are in competition for resources and for how resources should be used
- ❖ Climate change is a result of a group in power overusing their share of resources without thought of harm to other groups

Functionalist Perspective:

- ❖ Population and the environment affect each other
- ❖ Some environmental problems are to be expected in an industrial society
- ❖ Extreme environmental problems are dysfunctional (Barkan 2010)

Steps Towards Change

- ❖ Carpool
- ❖ Use energy-efficient appliances
- ❖ Save electricity
- ❖ Recycle
- ❖ Plant a tree (West 2017)

References

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