

Climate Change

Animal Loss & Biodiversity

By James







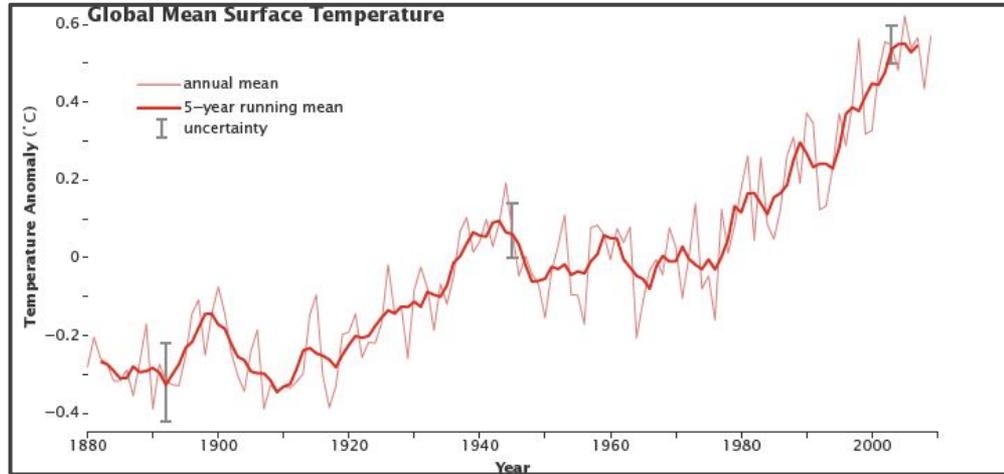
Climate Change And Its Subcategories

- What is climate change?
 - **refers to significant changes in global temperature, precipitation, wind patterns and other measures of climate that occur over several decades or longer.** (Ucdavis, n.d)
- A pending issue on our planet
- Affects everything on our planet
- Animal Loss & Biodiversity



The Issue

- What's The Big Deal?
 - Our ecosystems are breaking apart
 - Animals are being endangered and can go extinct
 - Ecosystems are being impacted



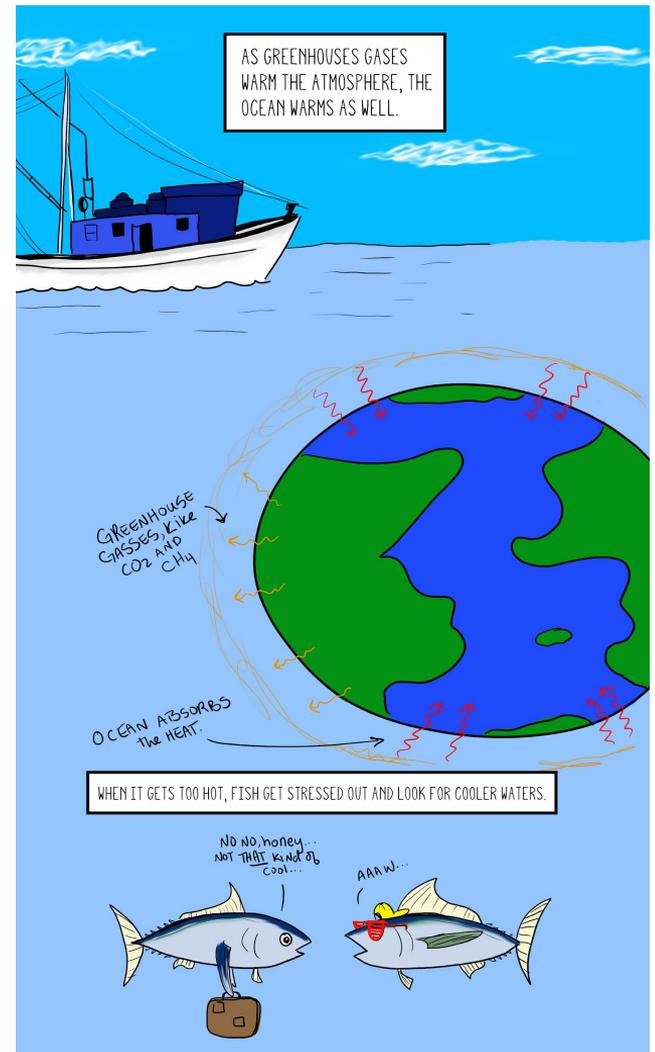
(NASA, Jun 3, 2010)

The Impacts

- Global (Environmental)
- National (Environmental)
- Social & Economical

National Scale

- Less supply of food sources (i.e fish)
- Orange-spotted filefish → Extinct in 1988 in Japan (**National Geographic, April 2, 2014**)
- More Floods / Natural Disasters
- Food Industry Damaged

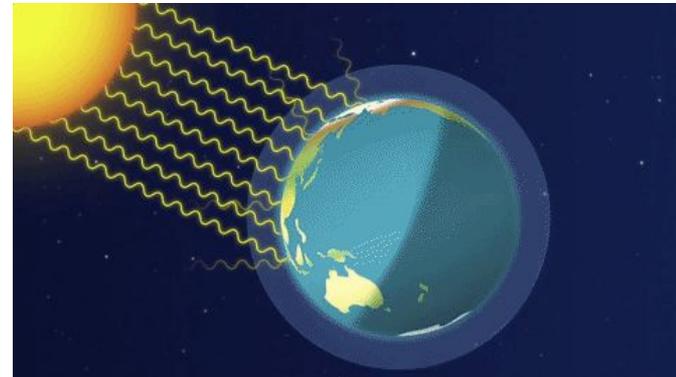
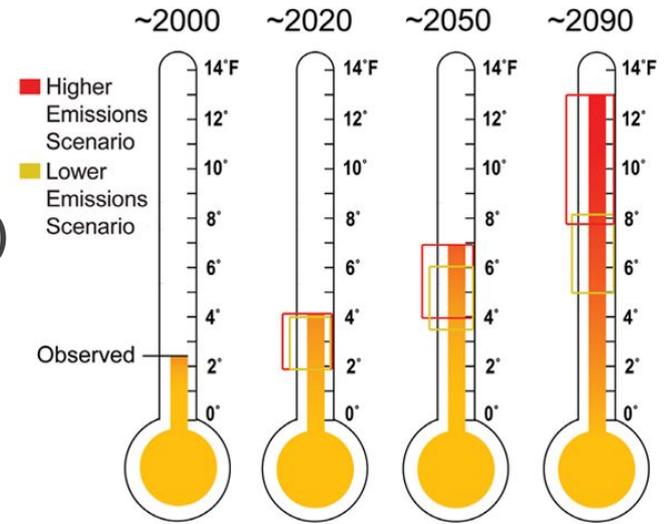


(U.S Global Change Research Program, n.d)



Global Scale

- A 1.5 - 2 C rise in temperature (WWF, Oct 08, 2018)
- Endangering Animals
- Food Industry Damaged
- Medicine → we Harvest about **50,000-70,000** plants species for modern medicine worldwide (WWF, n.d)
- Contributes to climate change (feedback loop)



Global Scale Cont

- An estimated 25 million to 1 billion environmental migrants by 2050

(IOM, n.d)

- Animal population size has decreased almost **60%** since 1970

(WWF, n.d)



Social & Economics

- Economic Loss -> e.g. Food industry
- Jobs / major companies lost
- Climate Change Has Cost The Government

About **\$350 Billion** (MarketWatch, Nov 26, 2018)

- The monetary goods that ecosystems provides are about **\$33 trillion** (WWF, n.d)





Solutions

- Climate Change Solutions
 - Alternate Transportations
 - Alternate Energies
 - Reduce Methane Emissions
 - Use Renewables

Solutions Referenced from David Suzuki Foundation



Images From WWF

Solutions Cont

- Animal Biodiversity Loss Solutions
 - Restore Natural Habitats
 - Decrease In Destruction Of Habitats
 - Getting Food & Food waste
 - Stop Illegal Animal Trafficking

Solutions Referenced From WWF



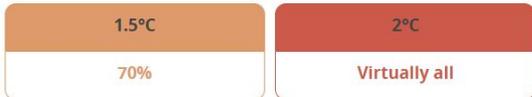
Image From WWF



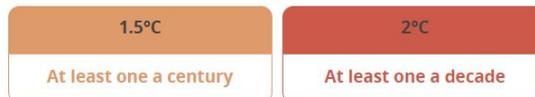
A Bright Future?



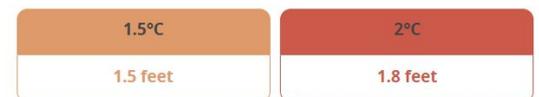
Coral reefs at risk of severe degradation by 2100



Ice-free Arctic summers



Sea level rise by 2100



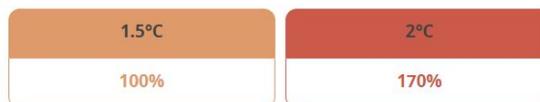
A Bright Future Cont



People exposed to extreme heat waves every 5 years



Increase in flood risk



Plants and animals at risk of losing more than half of their habitats



Images and facts from WWF

Conclusion





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**Thank you for listening To my
presentation**