

# Unravelling Climate Chaos: Predict, Prevent and Survive

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January 2020

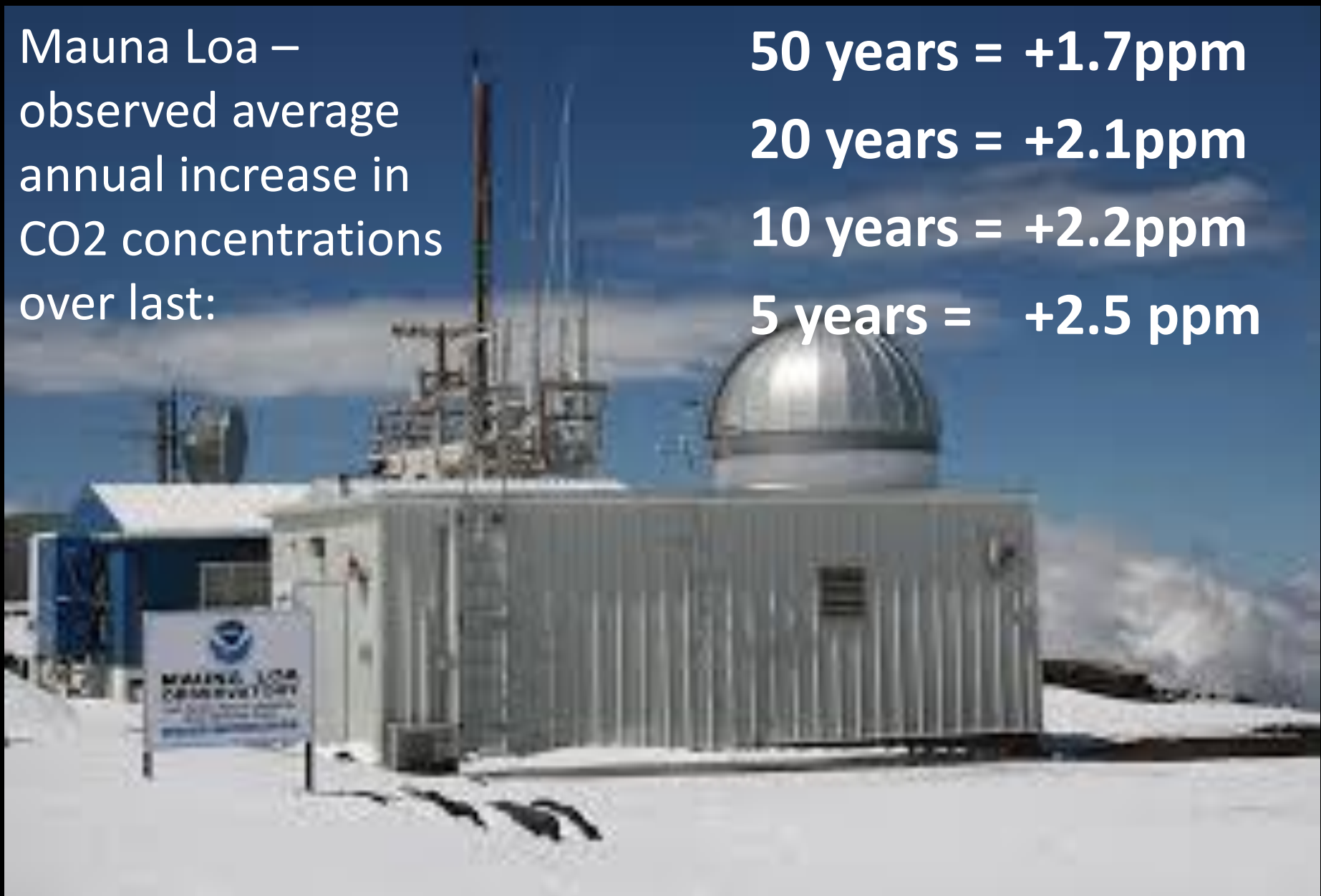
Mauna Loa –  
observed average  
annual increase in  
CO<sub>2</sub> concentrations  
over last:

**50 years = +1.7ppm**

**20 years = +2.1ppm**

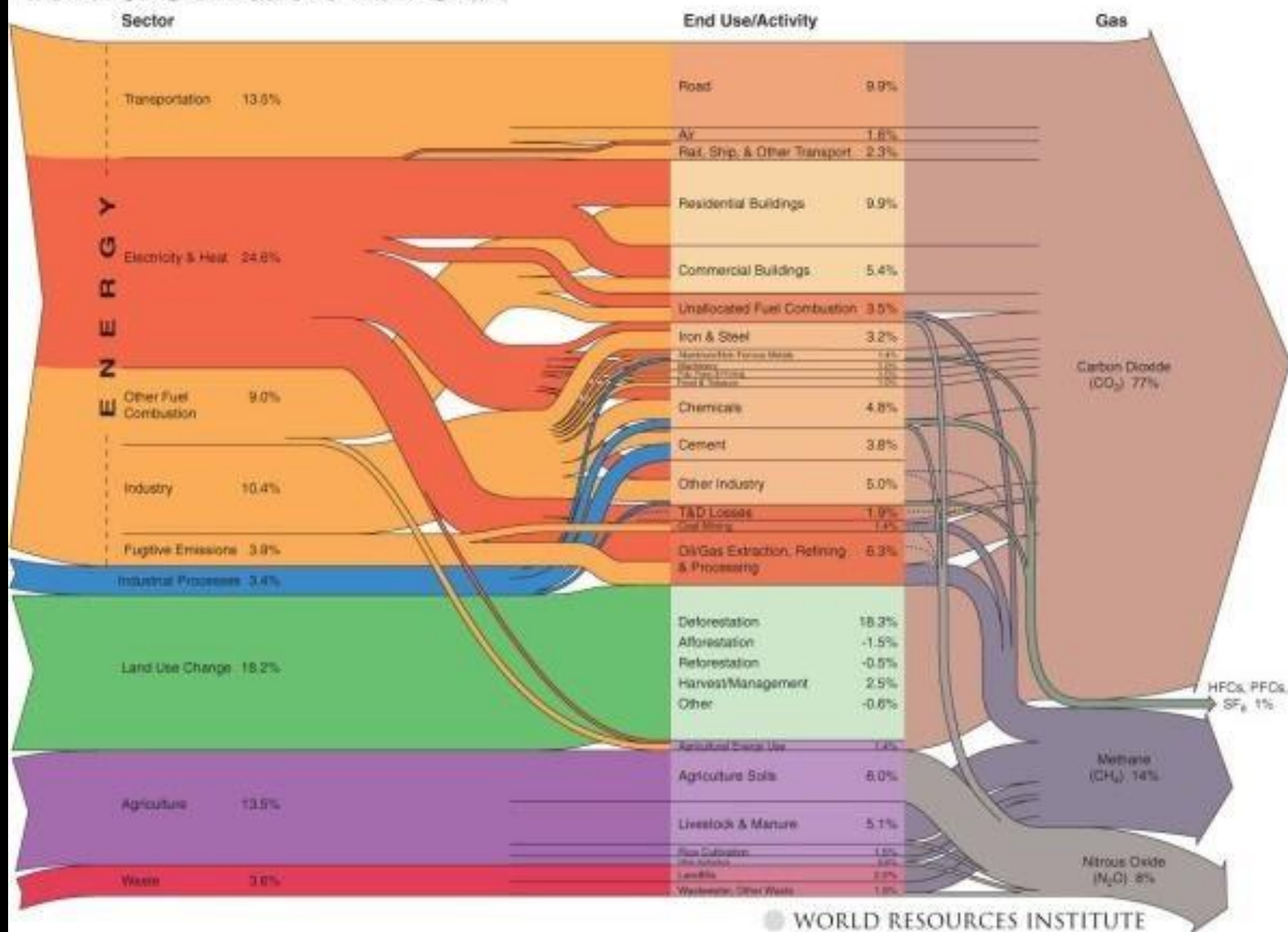
**10 years = +2.2ppm**

**5 years = +2.5 ppm**



How we got here

# World GHG Emissions Flow Chart

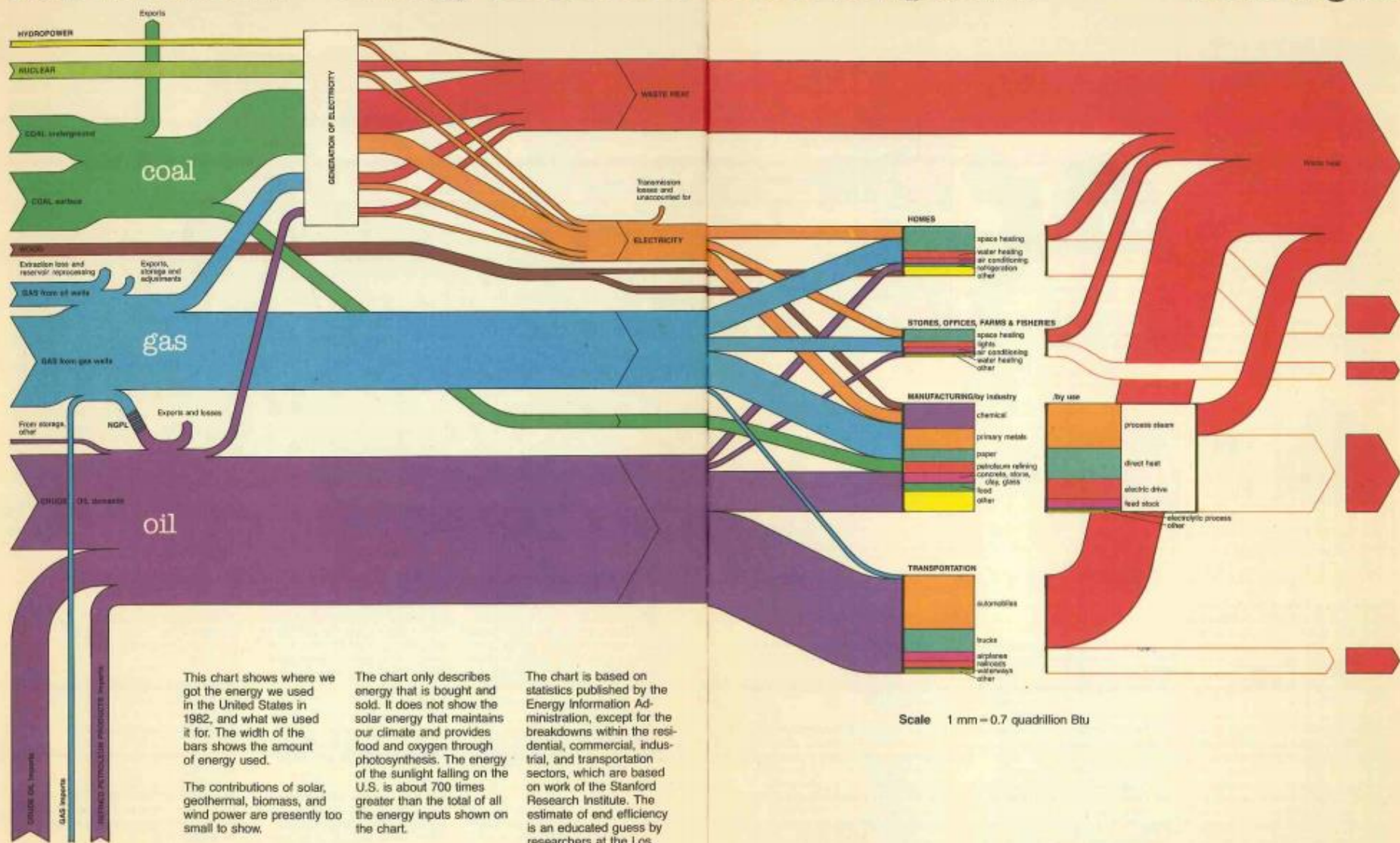


here it comes...

# Energy Production

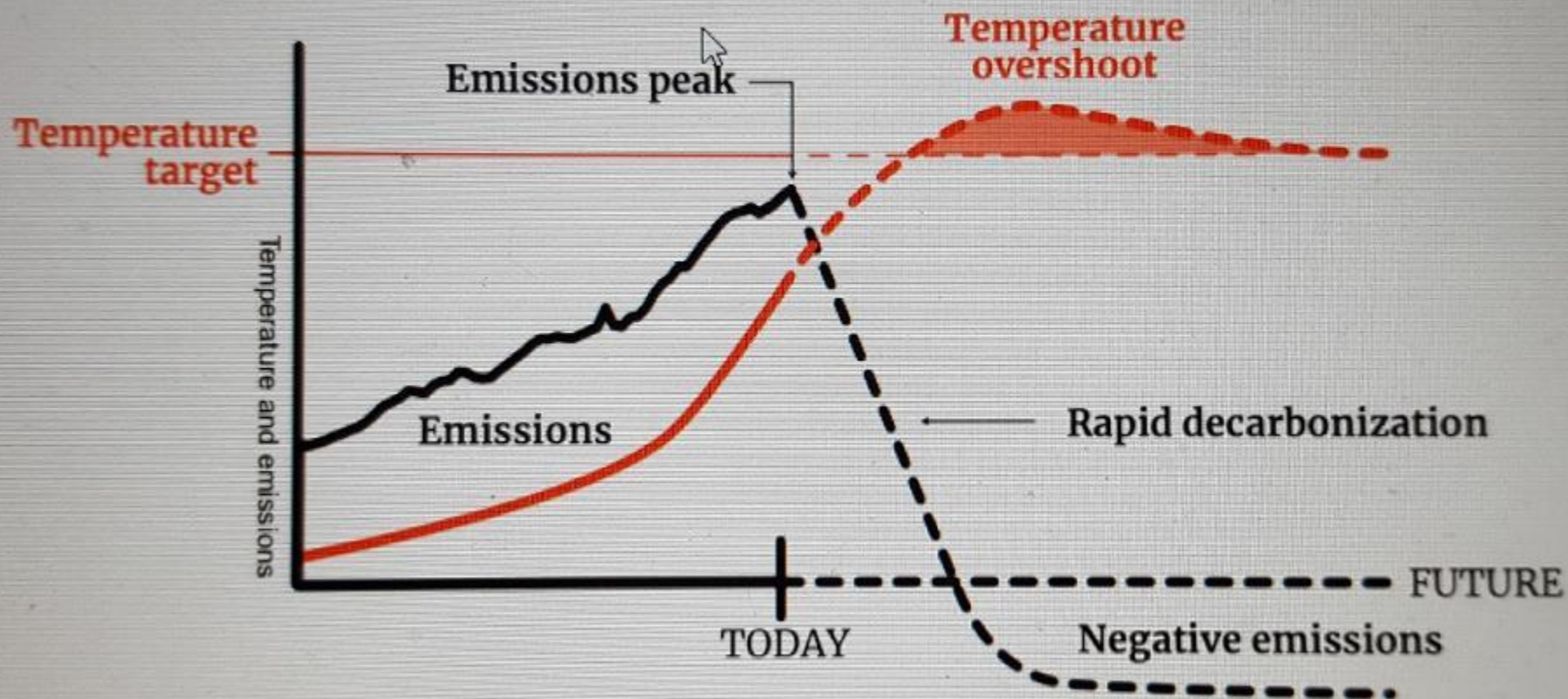
# & Consumption...

there it goes



What needs to happen?





# The Tragedies of Climate Change

- Tragedy of the Commons
- Tragedy of the Horizon
- Tragedy of the Incumbents

Plus

- Tragedy of Ideology



# 28th Meeting of the Parties to the Montreal Protocol

10 - 14 October 2016, Kigali, Rwanda

**POWER  
PAST  
COAL**

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**#WEARE  
STILLIN**

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MIDABLE

# VOLVO DEATH KNELL FOR PETROL

Swedish giant announces  
switch to new



Who wants  
(old) million

## Volvo signal end of road for diesel and petrol cars

Maker switches to electric for all models by 2030

Robert Lea Industrial Editor  
Graeme Paton Transport Correspondent

The end of the internal combustion engine moved closer yesterday after a major carmaker became the first to abandon diesel and petrol-only vehicles.  
Volvo, which sold almost 47,000 in the UK last year, said that models would be phased out in two

new diesel engines. "Long term will be more and more expensive," said. "That is why, cost-wise, talking about alternatives."  
Mr Samuelsson said the decision was a U-turn for the company's headquarters.



# What does this mean for COP 26?

- UK has great story to tell
- Will win even more support with:
- Economy wide innovation policy (ie carbon levy for innovation incentives aka carbon price) and:
  - Transport – 100% clean target
  - Nature based solutions blueprint
  - Powering past coal in industry
  - Optimise renewables incl onshore wind

# International Ambition

- Climate finance
  - UK contribution backing diplomatic strategy (most vulnerable)
- Sectoral approaches
  - Can 'tech transfer' be changed to global tech deployment support in key sectors?
- Trust through Transparency
  - Modernisation of MRV – data/satellites
- Nature based solutions

# Civil Society Capacity Building

- No more entering a knife fight with a spreadsheet
- Need incubation for campaigns and campaigners
- More philanthropic money with wider frames of reference/different perspectives
- Harness professional talents



# NGO Theories of Change

- Blockadia
- Litigate
- Investigate
- Advocate Nationally
- Advocate Internationally
- Political Campaigning
- R&D/prizes
- Move Money
- Project Funding
- Business Partnerships
- Behaviour Change