Keynote Speaker Introduction





Sergio DiasSergio Dias Consulting









Topics

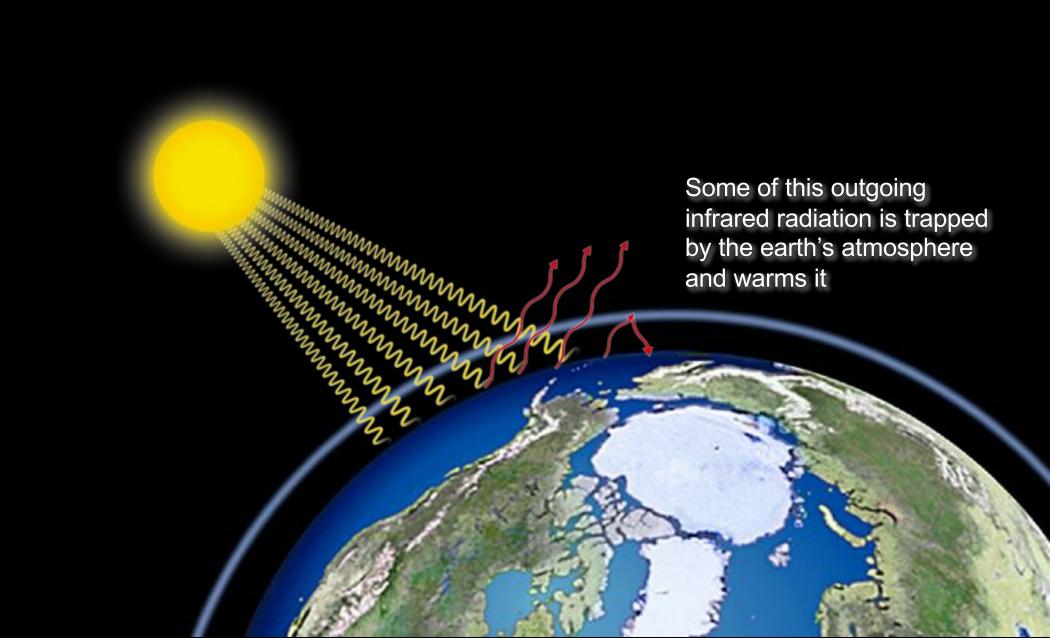
- Global perspectives- Why we need to act now
- SEM Program perspectives- What changes can we make
- Immediate action- Actions we can take today

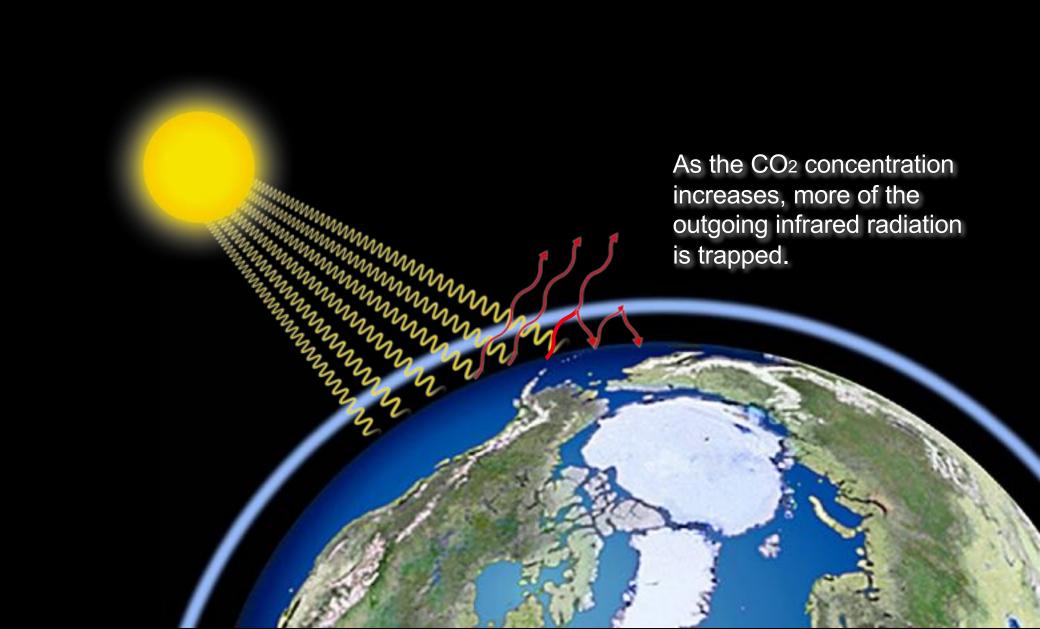


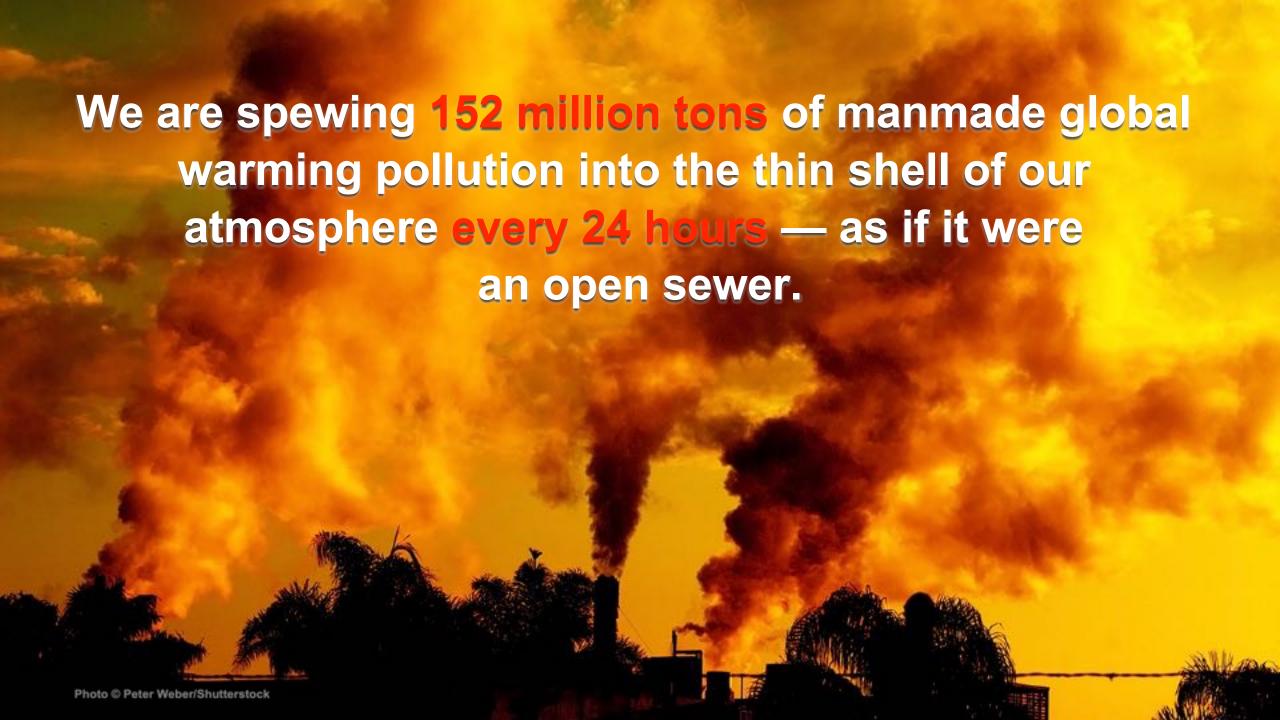


Part 1



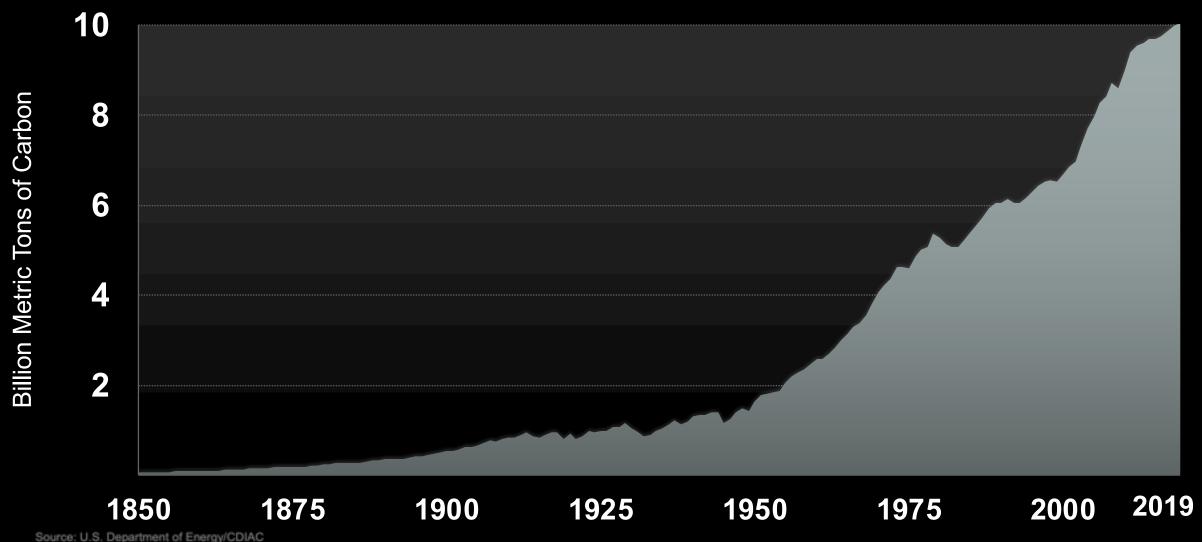






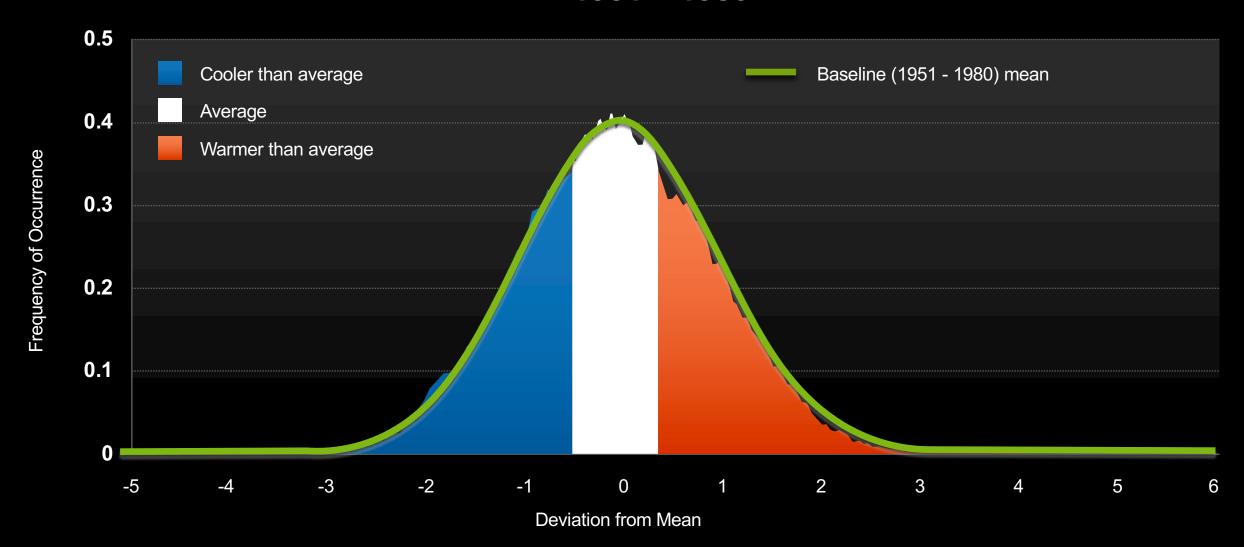


The Largest Source of Global Warming Pollution Is the Burning of Fossil Fuels

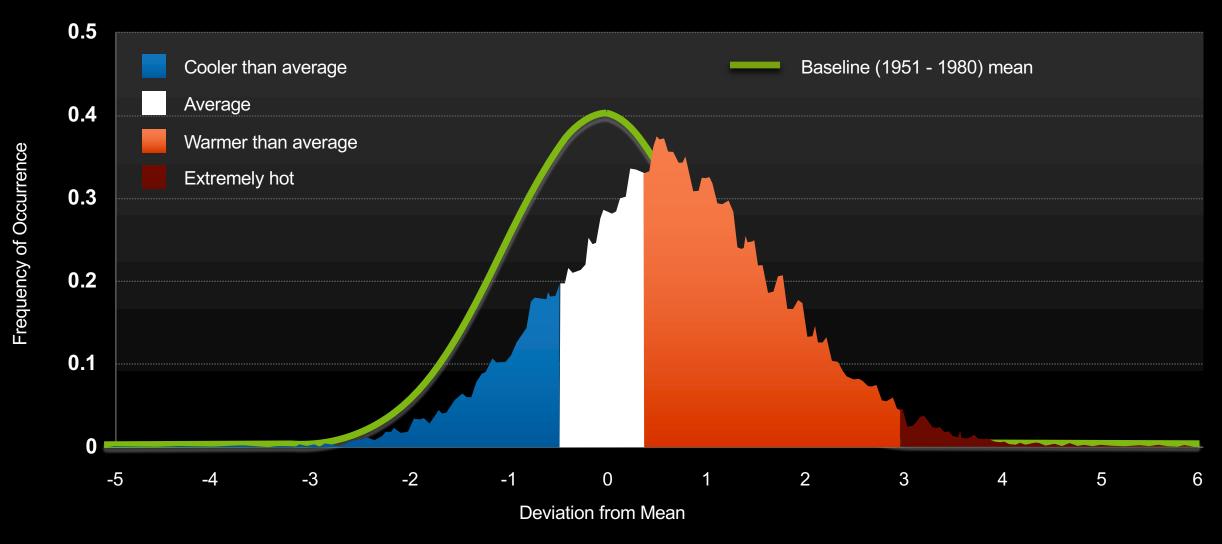


Northern Hemisphere Summer Temperatures Have Shifted

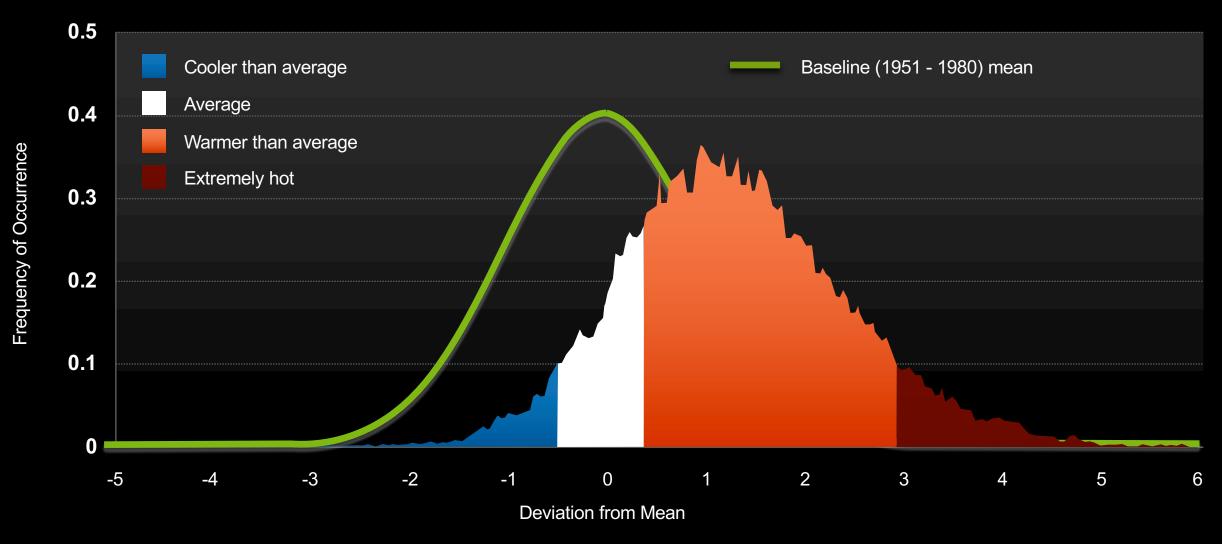
1951 - 1980



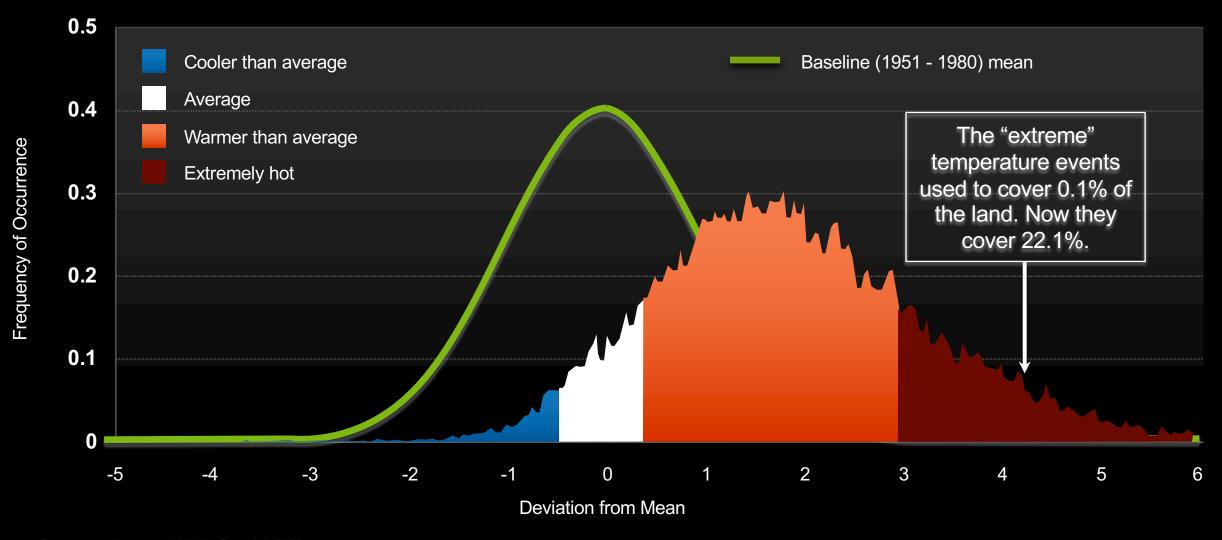
1987 – 1997



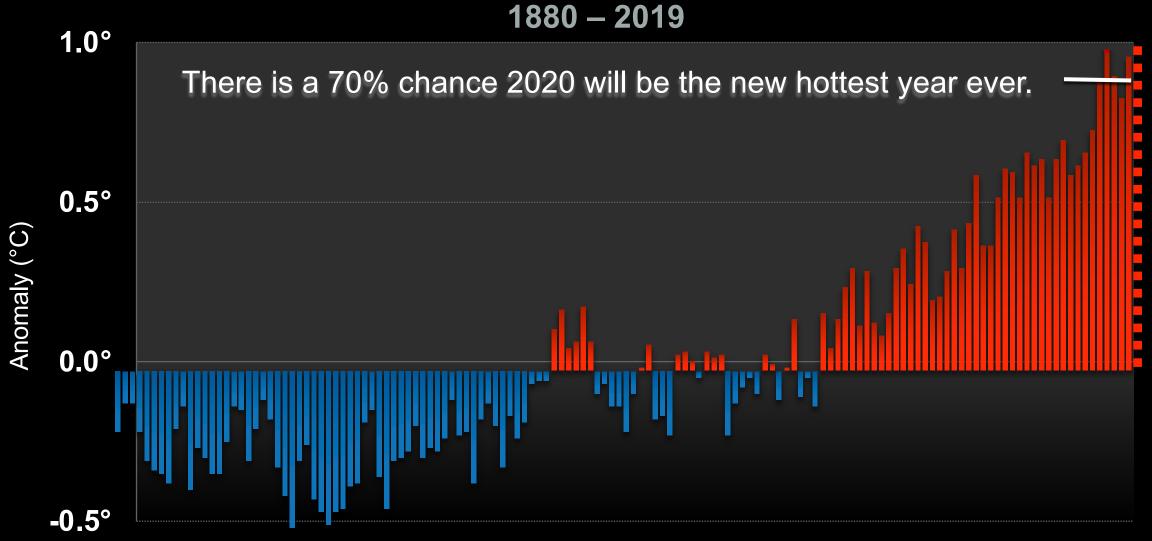




2009 - 2019



Global Surface Temperature – Departure from Average

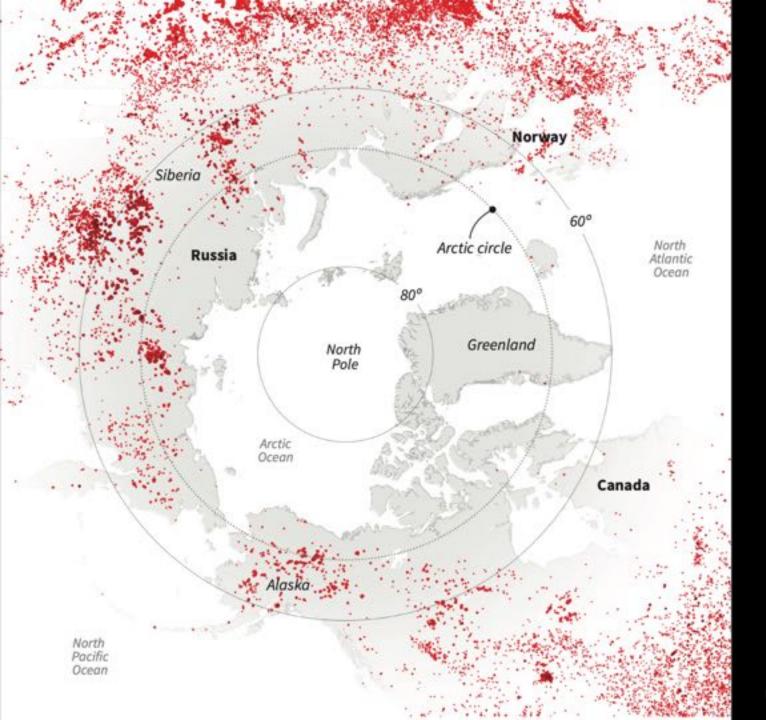


1880 1890 1900 1910 1920 1930 1940 1950 1960 1970 1980 1990 2000 2010 2020









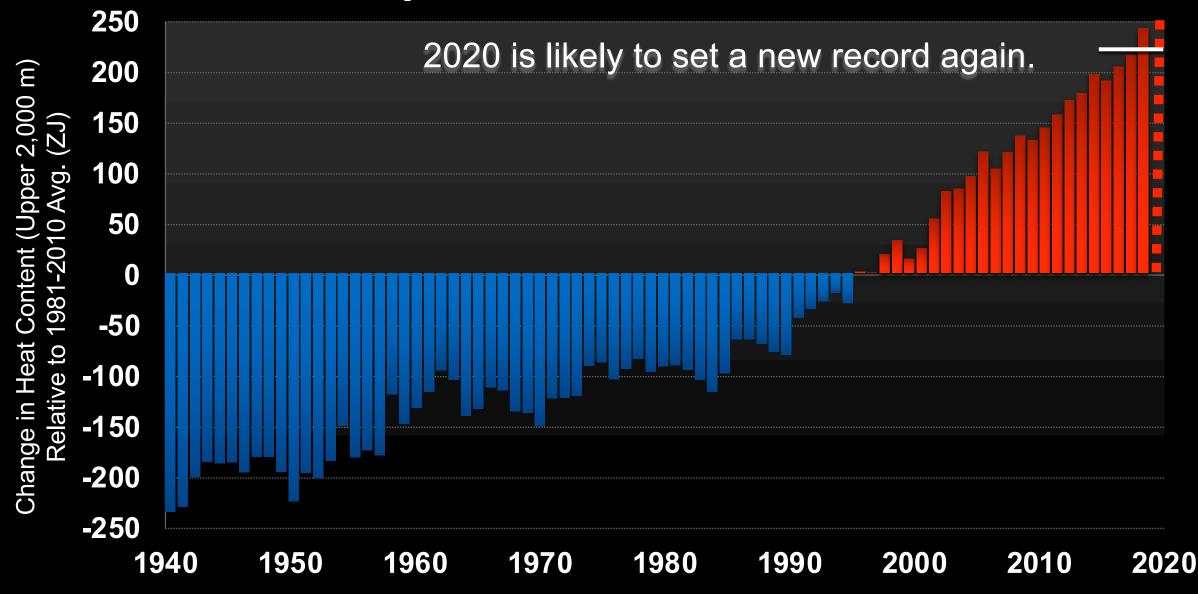
Fires Detected

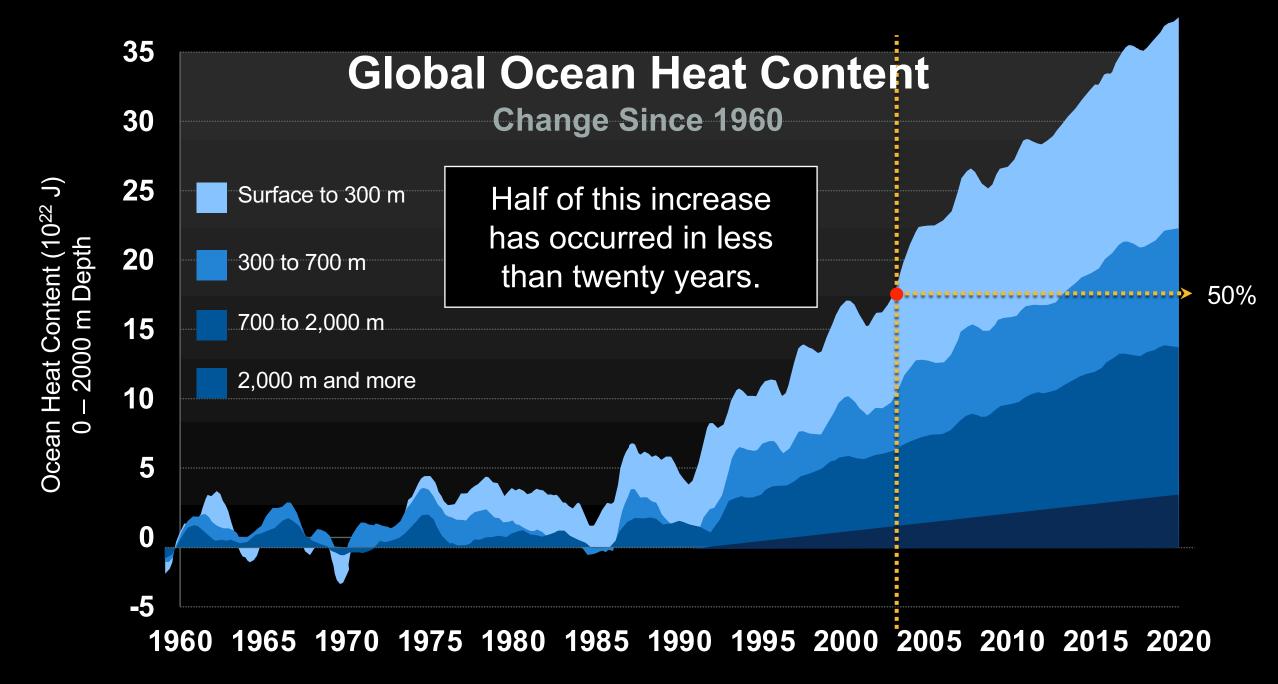
July 7 - August 27, 2019

The area burned by boreal fires is expected to increase 130-350% by mid-century, threatening to turn boreal forests into net carbon emitters.

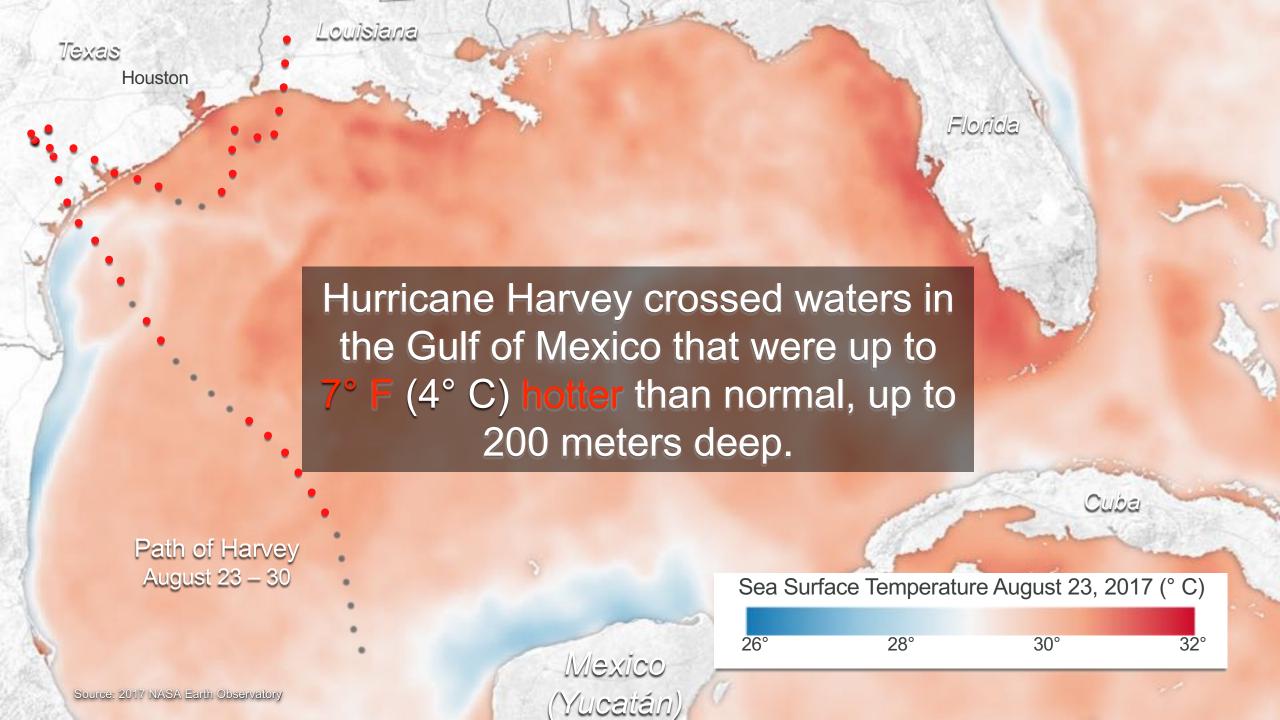
93% of the extra Heat trapped by manmade global warming pollution goes into the Ocean

Ocean Temperatures Set a New Record in 2019





As Temperatures Increase, the Oceans Evaporate More Moisture into the Sky

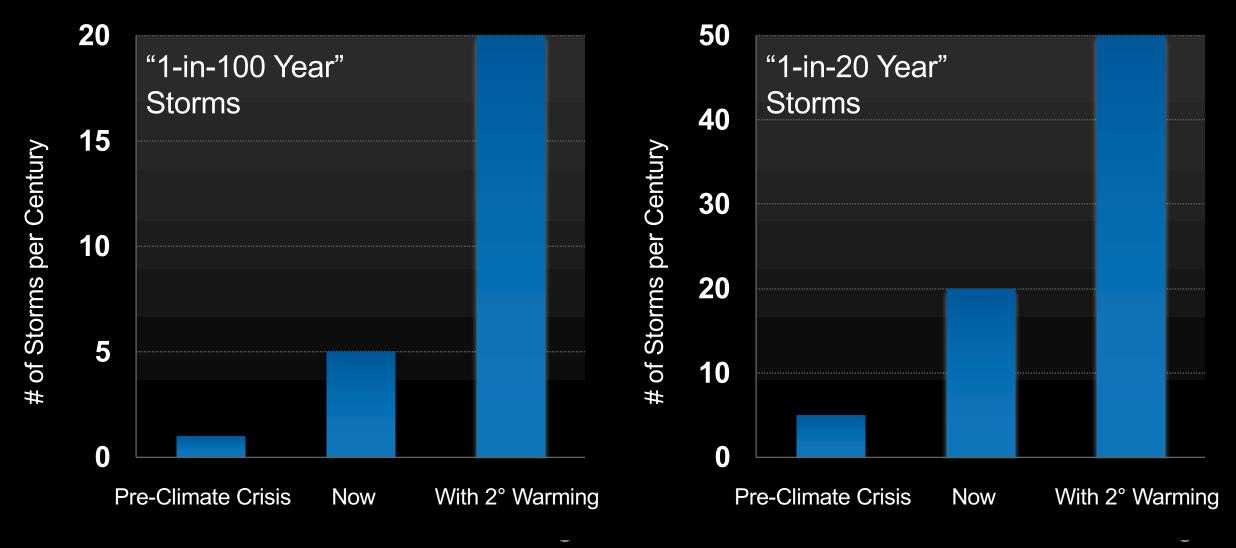








Large North American Storms Are Happening More Often



Global Systems Vulnerable to Climate

Disruptions May Lead to Political or Societal Instability







EU Parliament votes in favour of cutting emissions 60% by 2030

Frédéric Simon for Euractiv · Published on 07/10/2020, 11:20am



The European Parliament during a vote in February 2020. (Photo: European Union 2020 - Source: EP/Flickr)

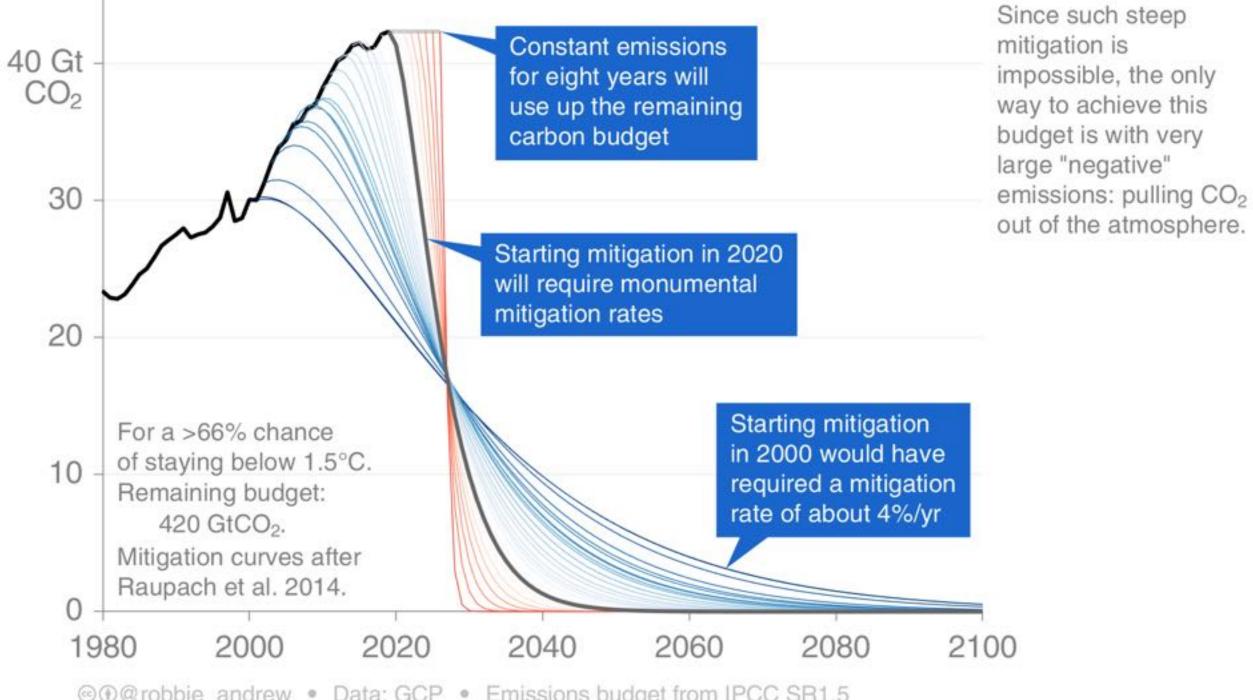
Lawmakers are putting pressure on EU leaders to raise the bloc's 2030 climate ambition beyond the Commission's proposed 55% emissions reduction target

The European Parliament voted on Tuesday to update the EU's climate target for 2030, backing a 60% reduction in greenhouse gas emissions by the end of the decade, up from 40% currently.

EU carbon border tax: How a French idea ended up in the limelight



Since Jacques Chirac first proposed a carbon border tax, French presidents have never let go of the idea. Now, the European Commission plans to integrate it into its recovery plan, much to the irritation of Beijing, just as an EU-China summit opens on Monday (14 September). EURACTIV France reports.



@ @ @ robbie_andrew • Data: GCP • Emissions budget from IPCC SR1.5

Part 2

Potential Changes to SEM Programs

The goals of SEM programs







- Energy Efficiency
- Time of Use
- Demand Response
- Distributed Generation & Storage
- Transportation
 Electrification

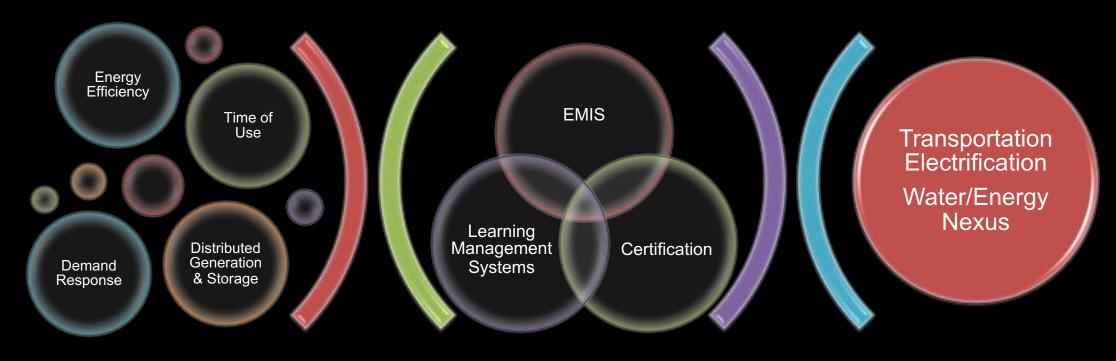
- Recognized approach
- Certifiable results

Potential Changes to SEM Programs

- The goals of SEM programs
- The approach of SEM programs







Coordination

External Resources

Partnerships

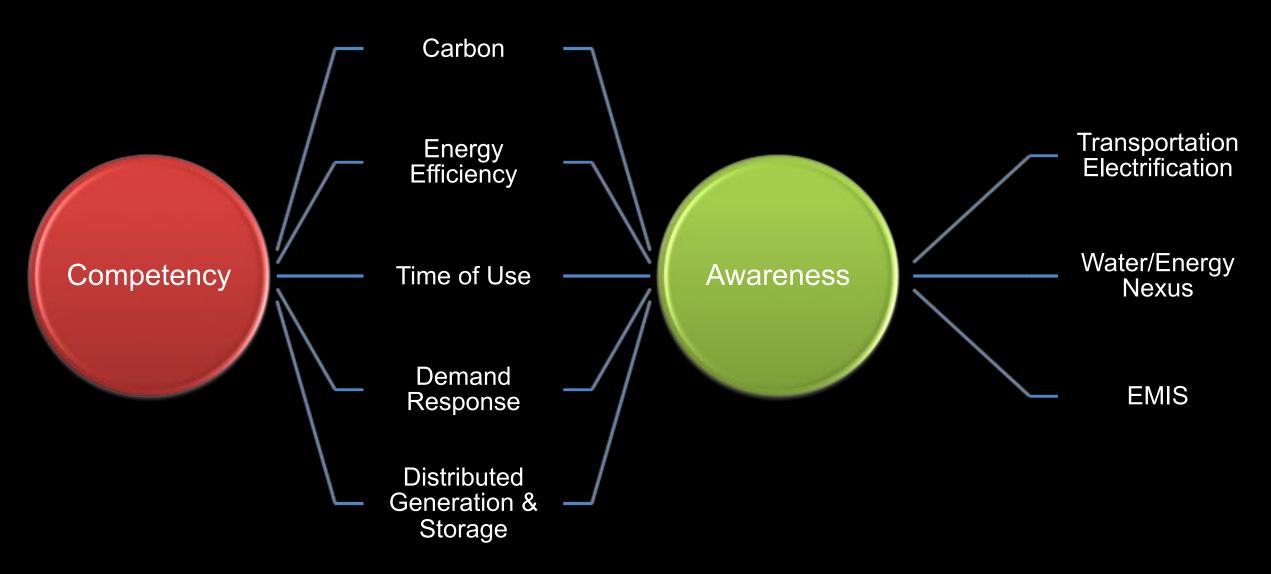


Potential Changes to SEM Programs

- The goals of SEM programs
- The approach of SEM programs
- The skill set











Potential Changes to SEM Programs

- The goals of SEM programs
- The approach of SEM programs
- The skill set
- The way we work together



Development of new topic materials

Training on new topics

Development of shared resources

Research on new or key topics

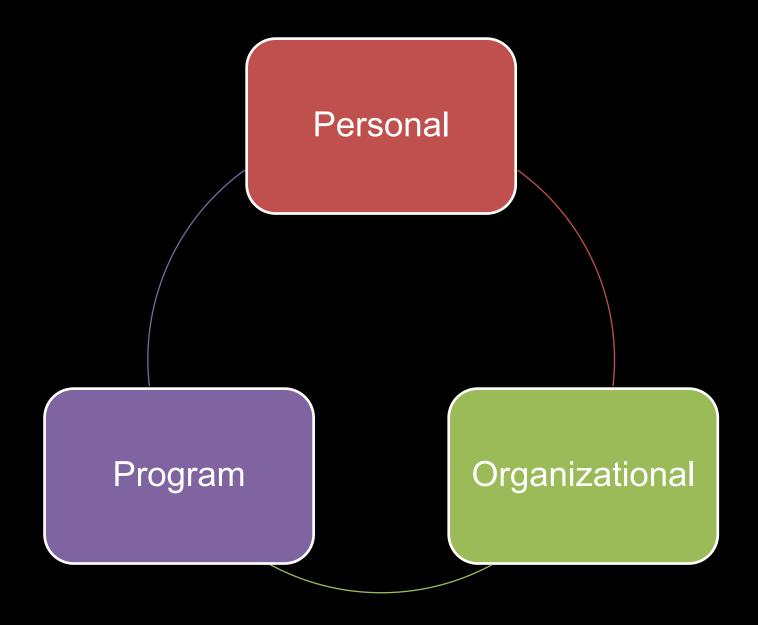
Coordination with other entities



NORTHWEST

COLLABORATIVI

Part 3





Calculate (and publicize) carbon footprint



Understand how to get to carbon neutral



Prioritize and develop an action plan



Sergio's Carbon Footprint

