Background Slides for a Discussion of the transition from “Global Warming” to “Climate Change” to “Climate Mitigation”

posted 11/8/17 to the FS27J (Freshman Seminar) Section of PredictionX.org created by Alyssa A. Goodman
Why People don’t Believe in Climate Science

https://www.youtube.com/watch?v=y2euBvdP28c
Climate Science: What you need to know
The “Greenhouse Effect” (& much more)

https://www.youtube.com/watch?v=ffjlyms1BX4
Understanding Natural Climate Variability

Parallel Climate Model Ensembles
Global Temperature Anomalies
from 1890-1919 average

- Observations
- Natural (volc+solar)
- Anthropogenic + Natural (volc+solar+ghg+sulf+ozone)

Predicting the Past, and the Future

How well did Hansen et al (1988) do?

http://www.realclimate.org/images/hansen09.jpg

Humanity & The Hockey Stick


https://en.wikipedia.org/wiki/Hockey_stick_controversy
Humanity & The Hockey Stick

The “Cliff” 400 ppm? We’ve gone over it.

Unstoppable—so what Next? Mitigation.
Future of Climate Change

On This Page

- Increasing greenhouse gas concentrations will have many effects
- Future temperature changes
- Future ice, snowpack, and permafrost
- Future sea level change
- Future precipitation and storm events
- Future ocean acidification

Increasing greenhouse gas concentrations will have many effects

Greenhouse gas concentrations in the atmosphere will continue to increase unless the billions of tons of our annual emissions

https://www.youtube.com/watch?v=wVBddWZVMHE
What are you worried or unsure about?
What are you hopeful about?
What do YOU want us to explore?

With regard to *prediction*…

—explore: money angles
—chart search (anything useful, *example*)
—explore: arguments of climate deniers, about the future
—explore: discussions of uncertainty
More links of interest...


7 Effects of Climate Change in your lifetime:
https://www.youtube.com/watch?v=7mYJ9GJMgaw

Neil Tyson v. Climate Deniers
https://www.youtube.com/watch?v=l0leiwOx6w0

http://www.c3headlines.com/climate-models/