

Climate Science Update

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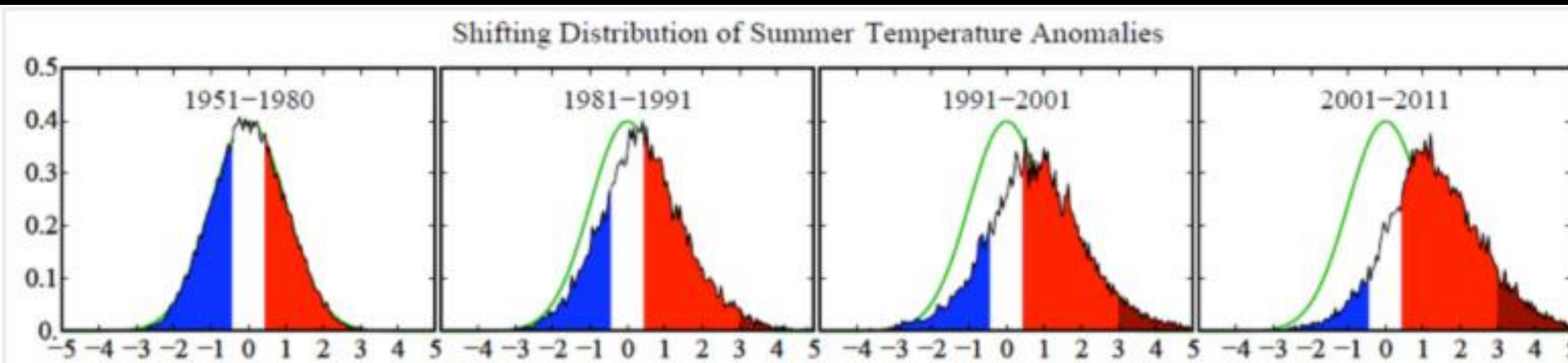
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ClimatePlace.org

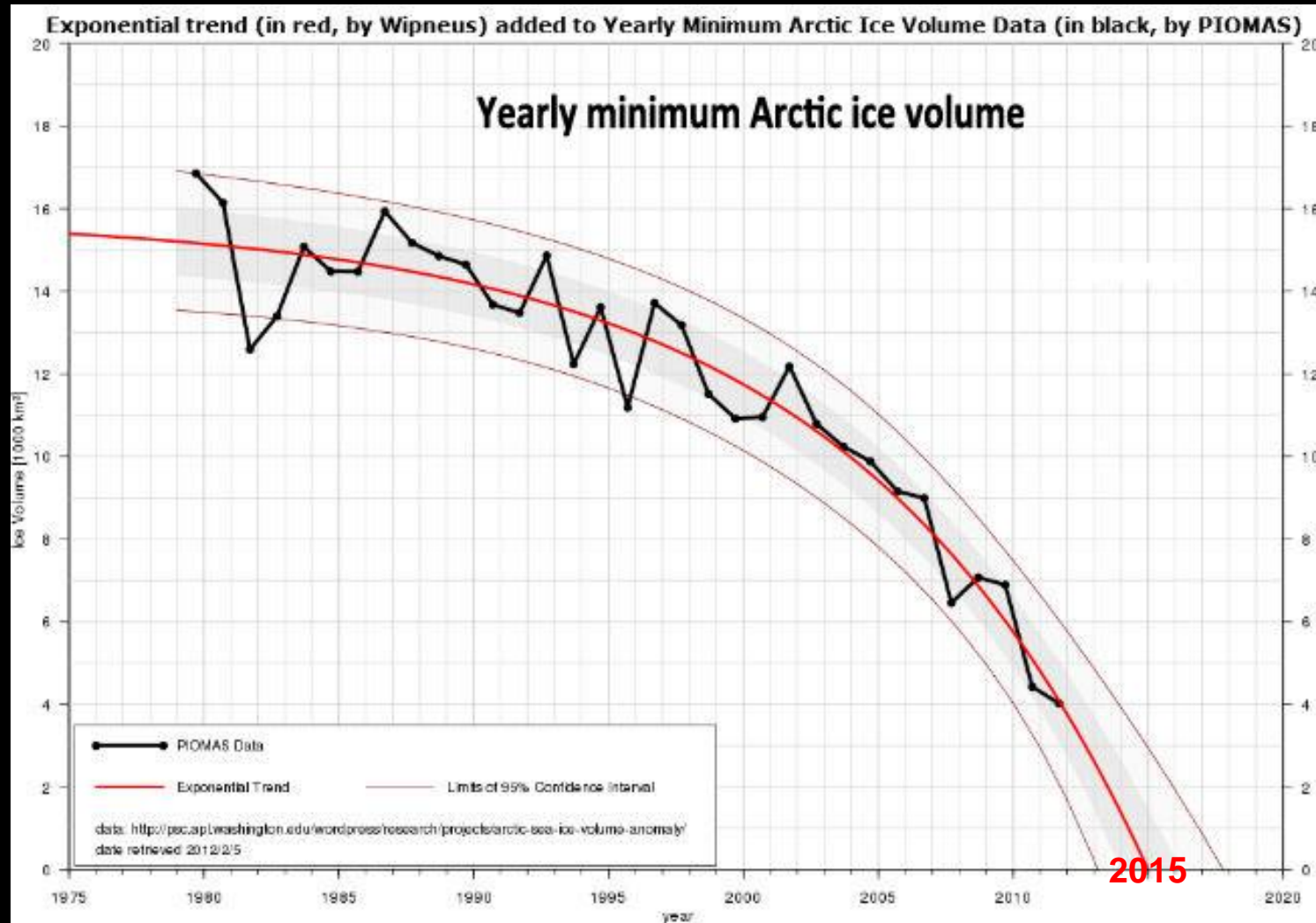


New Analysis of Extreme Temps

- “Extremely Hot Summers” have increased by more than 5000% in the past 50 years.
- Not based on climate models and not a prediction
- Shows that current extreme heat waves are caused by global warming



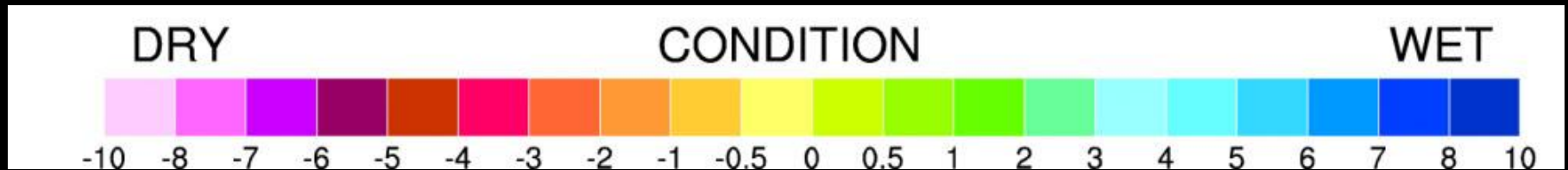
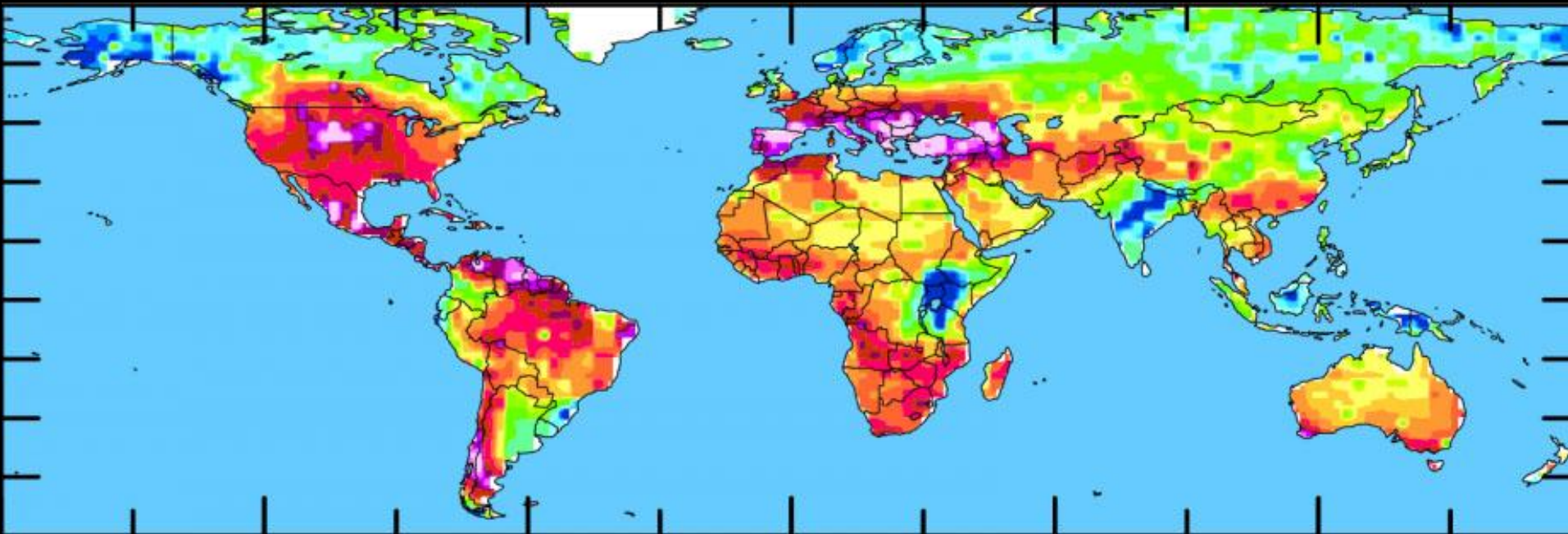
Loss of Arctic Sea Ice will Alter Global Weather Patterns



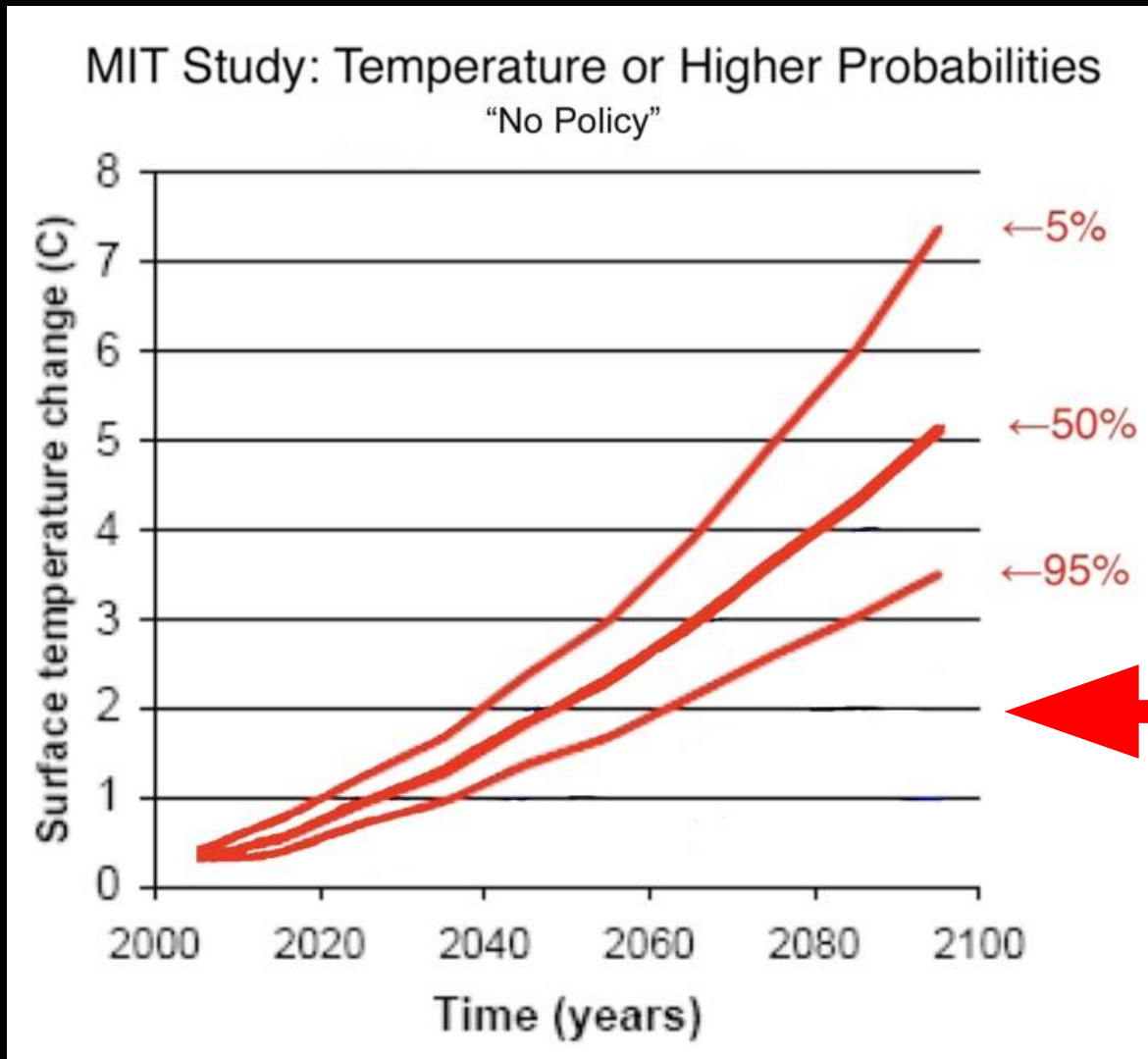
Drought: 2060

Source: University Corporation for Atmospheric Research (UCAR.edu)

- **Red:** “Dust Bowl” drought
- **Purple:** 2~3X “Dust Bowl” drought



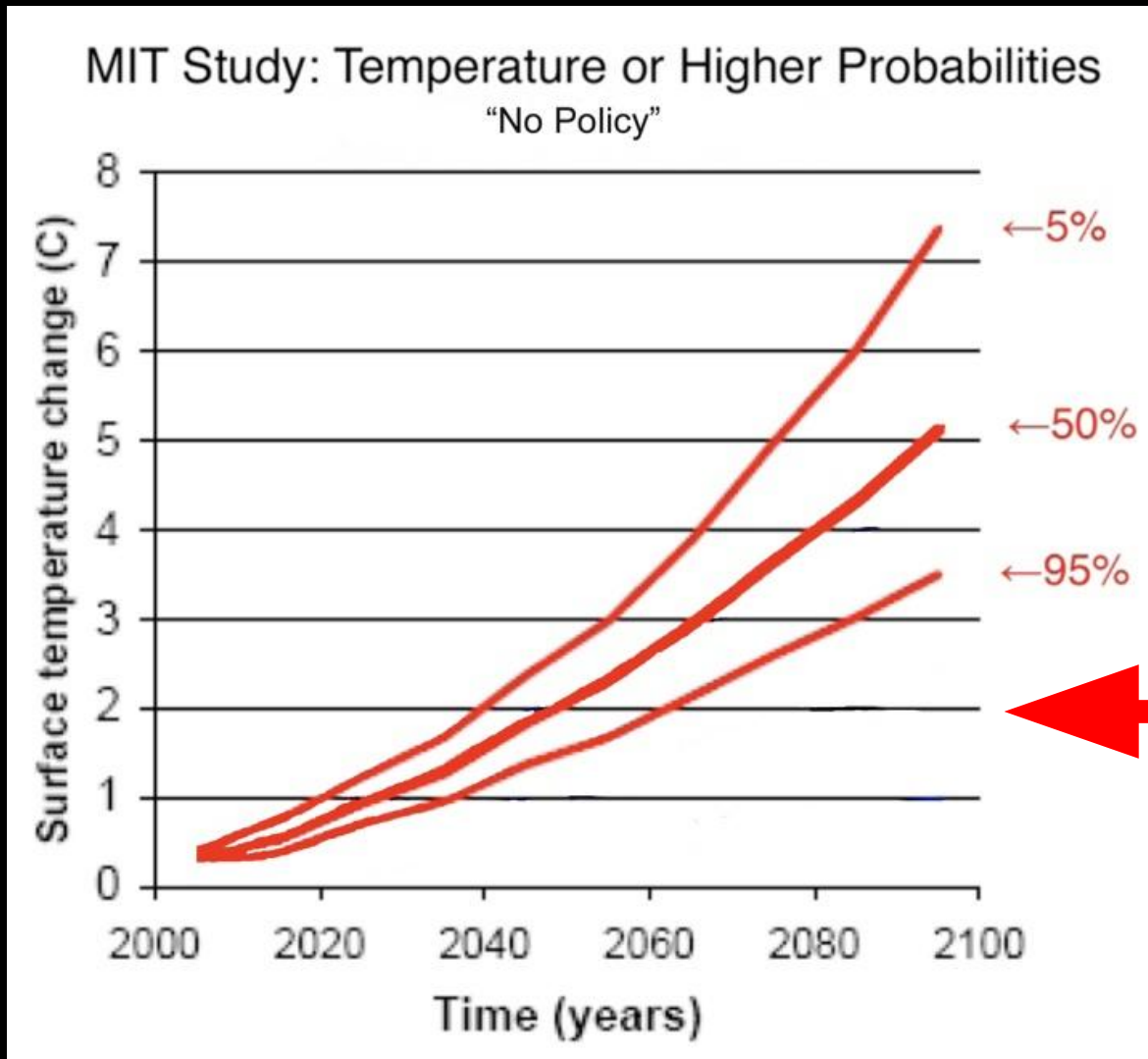
MIT Temperature Study



2009 MIT Study:
95% chance that
"Business-as-usual"
temperature increase
will exceed 3.5°C
(6.3°F) in 2095



MIT Temperature Study



and a **50% chance** that temperature will exceed 5°C (9°F)!

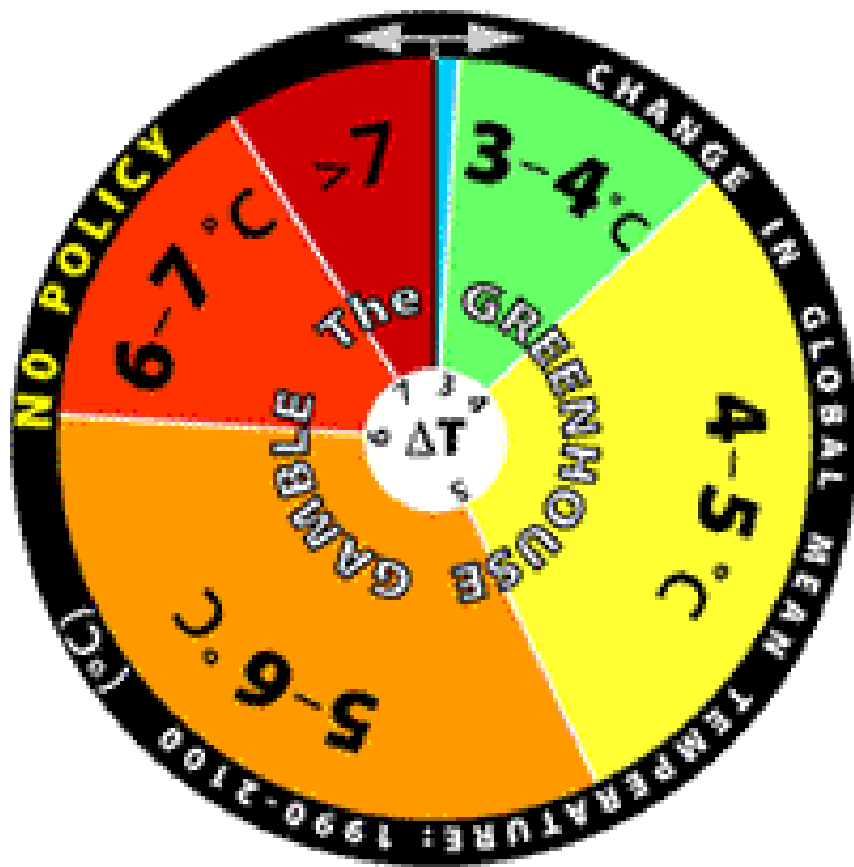


What Does +4°C (+7°F) Mean?

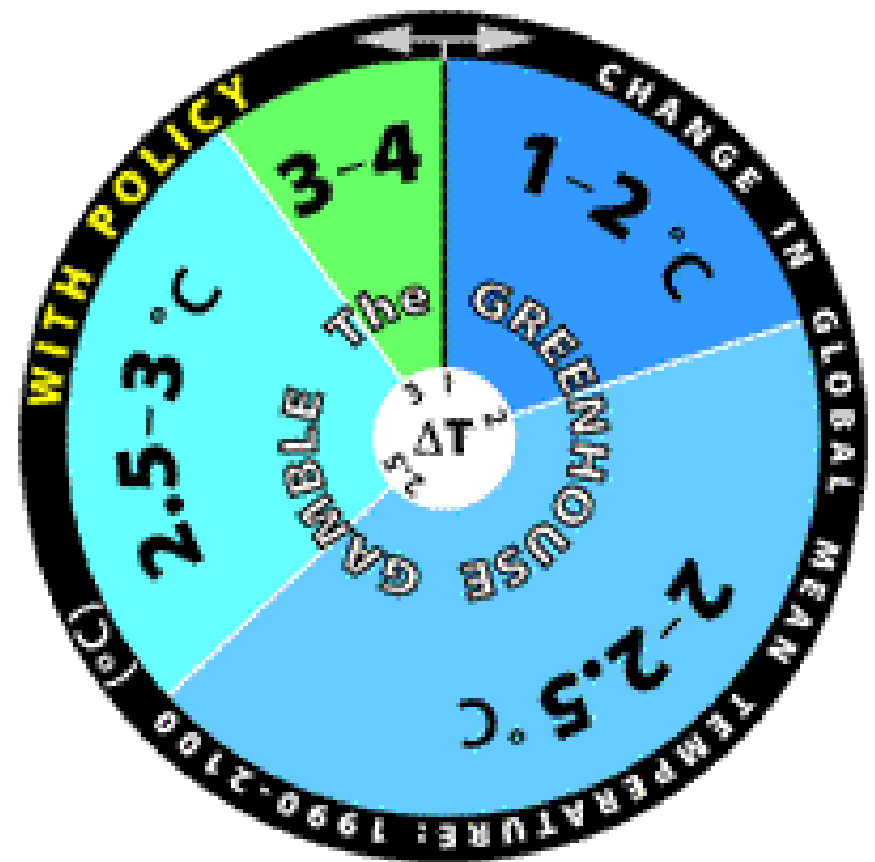
- “Incompatible with an organized global community
- Likely to be beyond ‘adaptation’
- Devastating to the majority of ecosystems
- High probability of not being stable
 - i.e., temperatures will go higher
- *Must be avoided at all costs*”

From Prof. Kevin Anderson, former director of the Tyndall Energy Centre, UK

But We Can Do Something!



Warming Possibilities in 2100
Under No Policy Scenario



Warming Possibilities in 2100
Under Policy Scenario

What to Do?

Clean Energy Credit

- Put an increasing fee on CO₂ at the wellhead, mine, and port
 - Start small and grow every year
- Distribute 100% of the money collected to every legal resident on a per-capita basis
- Most people will earn more each year than they pay in higher energy costs!

An Economic Boom

- Putting a price on CO₂ will drive innovation and investment in renewable energy and energy efficiency
- Will trigger an economic boom that will put the Internet revolution to shame
- Will also improve energy security and eliminate the need to fight wars over oil

Let's Talk About Fear

- Many progressives (and climate scientists) do not want to talk about how bad it could get
- But how is it possible to avoid bad outcomes without talking about them?
- “Without a doubt, fear is the most ancient, efficient, and effective security system in the world”



Climate Change Messaging

- “Climate Change Is Not A ‘Message.’ It’s An Objective Reality And An Urgent Crisis. That’s Why We Must Talk About It.”
KC Golden
- Winning Strategy:
 - Invoke a strong sense of human agency and responsibility
 - Foster engagement and efficacy
 - Embed (don’t bury) climate in the challenge of freeing ourselves from fossil fuel dependence

“You may not be interested in climate change,
but climate change is interested in you.”

- Tom Friedman



For More Information

Please visit:

ClimatePlace.org

RodaGroup.com