

See the Light 2015



WELCOME

Welcome

Organizers: Passive House Association

Sponsors: Cygnum, Munster Joinery

Coillte

Partel

Amberline, Ecological Building Systems

Future Generation Solar

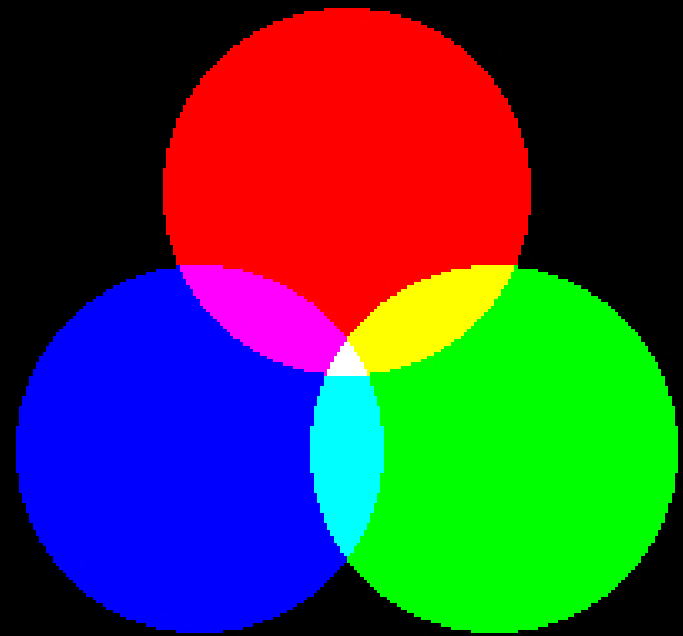
Participants: Profession

Industry

Academia



Academia Profession Industry



- **Critical relationship**
- **Mutually dependent**
- **Exchange of ideas and expertise**

Academia Profession Industry



Academia

Changing nature of preparation

- **Historic – Apprenticeship**
- **Academic Training + Internship – nurtured young graduates**
- **Contemporary demand for future expertise**

Academia

Changing nature of preparation

Historic – Apprenticeship



Internship – nurture young graduates



Contemporary demand for future expertise



Academia

- **Graduates - Influence future knowledge, quality, awareness**
- **Educate for future paradigms**

Academic Challenges

- Predicting Future Paradigm
- Preparing for Future paradigms
- Continuous Professional Development – “Future Expertise”



**KEEP
CALM**
THERE'S A
**PARADIGM
SHIFT**
GOING ON

ATTENTION



PARADIGM SHIFT



Paradigm



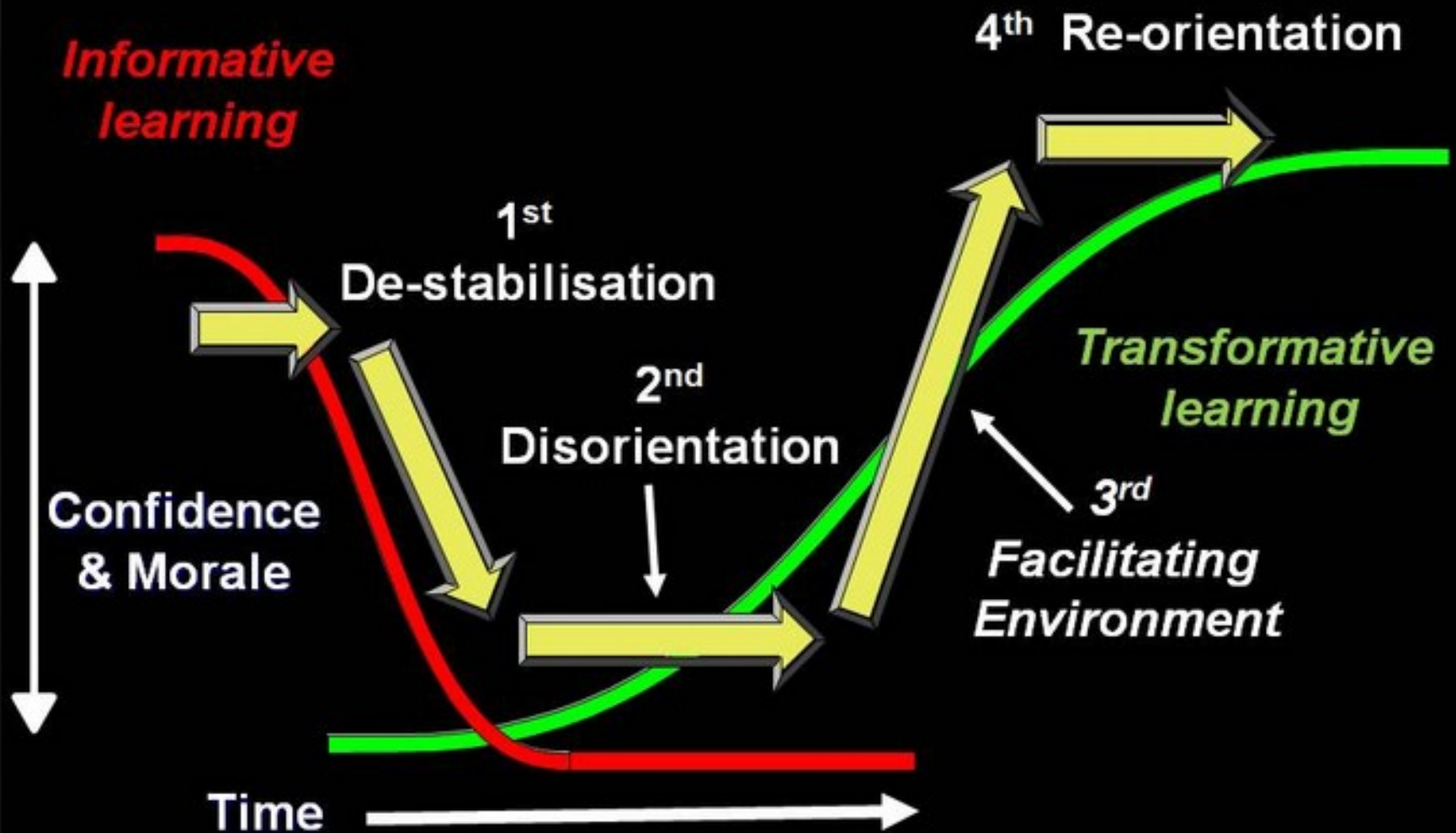
Time for a Paradigm Shift?



We Can Help

Paradigm - framework containing the basic assumptions, ways of thinking, and methodology that are commonly accepted by members of a scientific community - such a cognitive framework shared by members of any discipline or group:

Sequence of paradigm shift process



Paradigm Experience

- **1970's Edu: Ireland**
- **1980's Edu: USA**
- **1990's Academia USA**
- **2000's USA/Ireland**

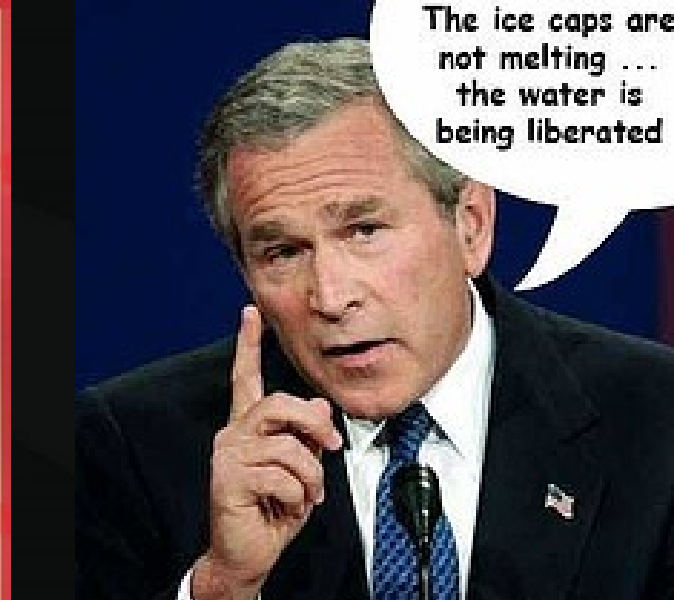


1970's Edu: Ireland

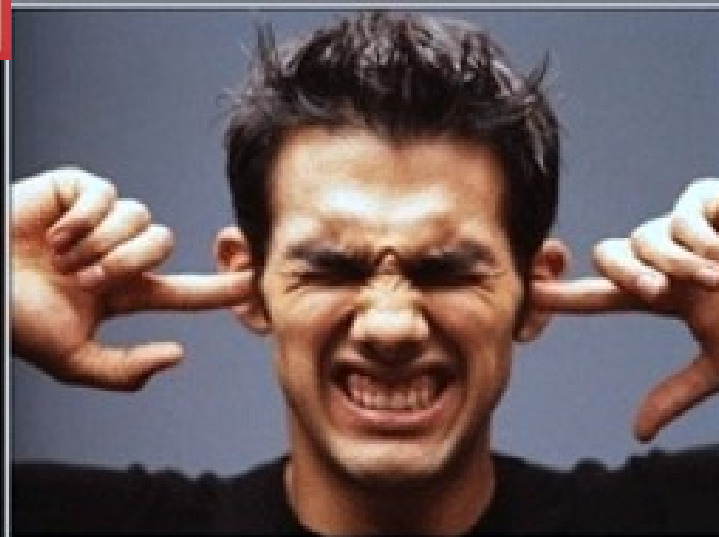
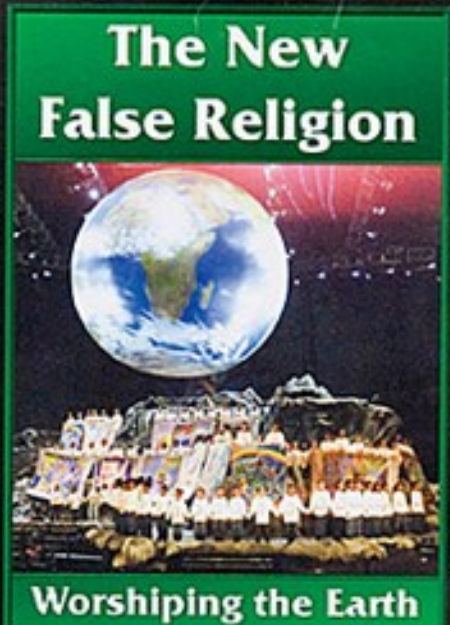


1980's Edu: USA environmentalists versus design theorists





1990" Academia USA



GLOBAL WARMISTS

"The science is settled... I can't hear you... la la la la..."





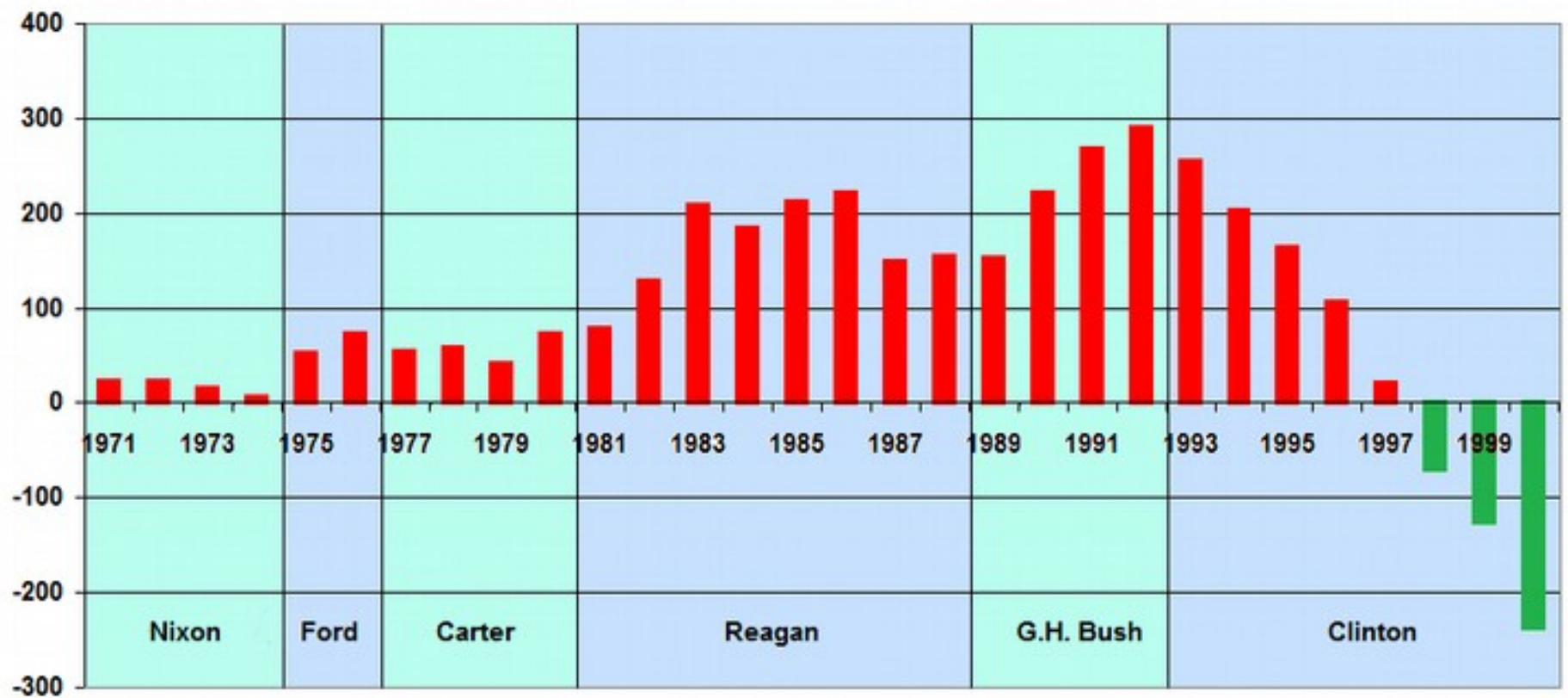
The **Kyoto Protocol**: international treaty, extends the 1992 United Nations Framework Convention on Climate Change (UNFCCC) commits State Parties to reduce greenhouse gases emissions, based on the premise that

- (a) global warming exists
- (b) man-made CO₂ emissions have caused it.



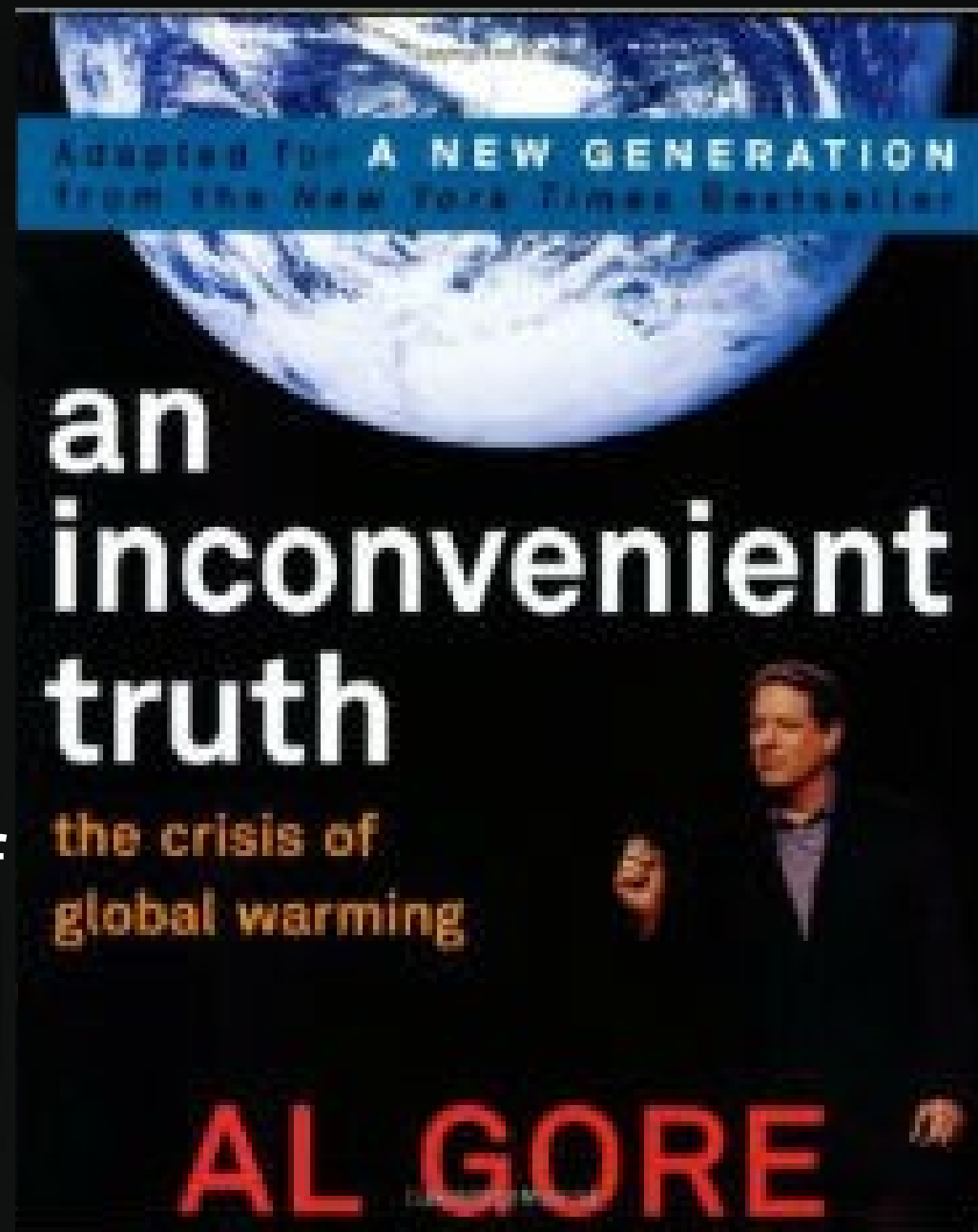
To put that into some perspective, when Bill Clinton and Al Gore had first taken the idea of the Kyoto Protocol up to the Congress, the United States Senate voted it down 95 to nothing.

(Christine Todd Whitman)

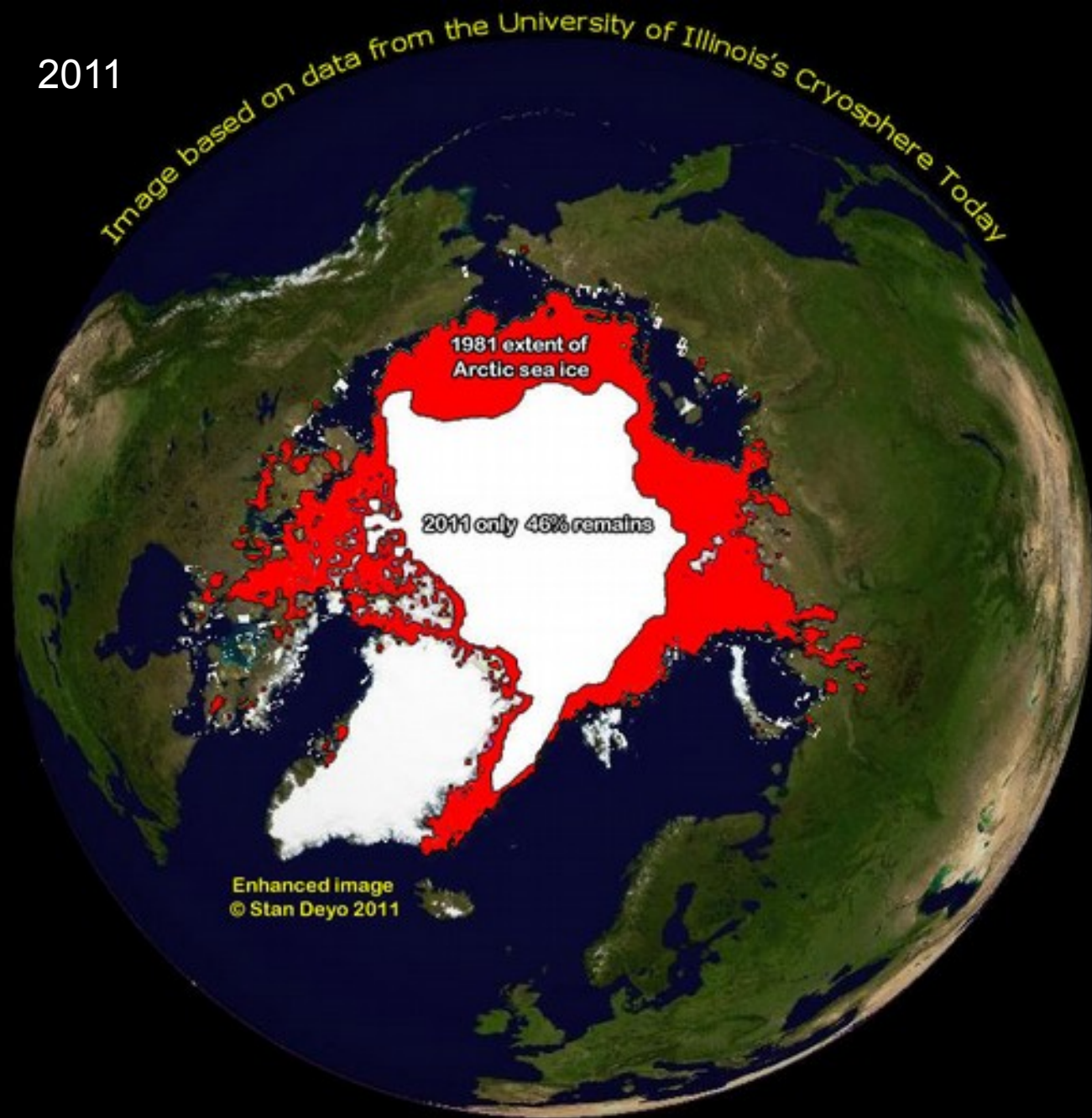


Budget Deficit in Billions of Dollars (1971-2001).
There were **budget surpluses** from 1998-2001

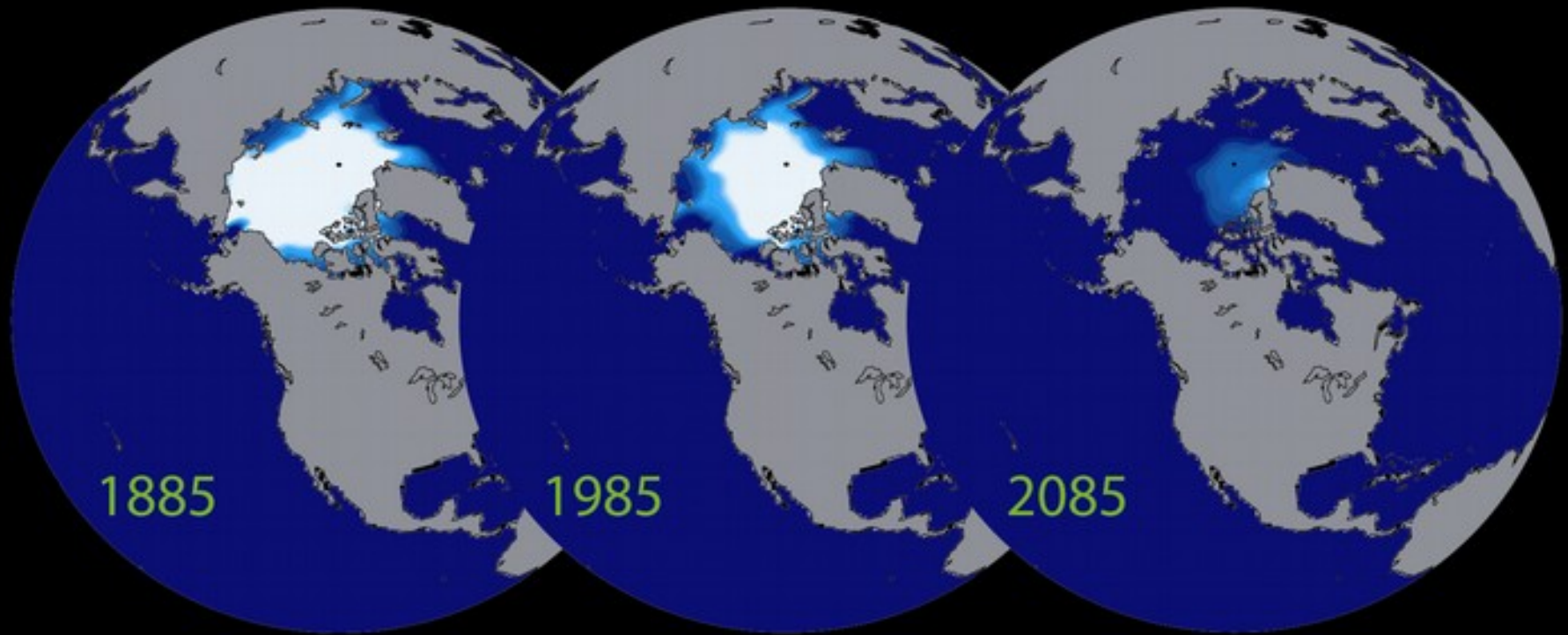
“2000: Al Gore ran for president. Thereafter, talk of climate change or of the heat-trapping properties of carbon was the moral equivalent of **Satanic baby-killing.**”



2011



NOAA GFDL CM2.1 Model Simulation



Aug Sept Oct Avg Sea Ice Concentration

GFDL.noaa.gov
Princeton University

COP21

December 2015

December 2015 over 190 nations will gather in Paris to discuss a new global agreement on climate change.

The talks are called 'COP21' - 21st annual Conference of the Parties

See the Light 2015

THANK YOU!

