

# Seeing Climate Change: for the few, for the many?

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Professor of Climate and Culture

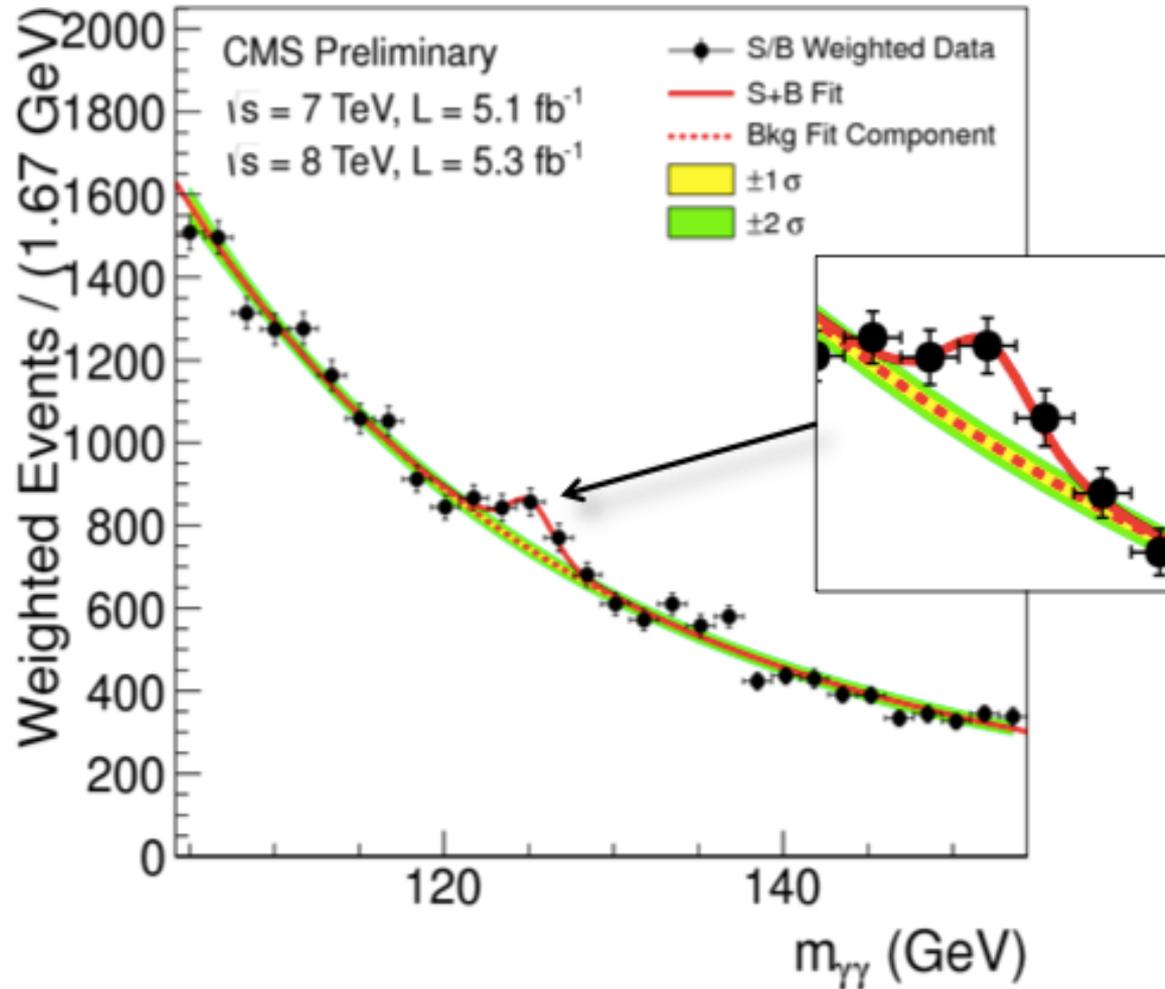
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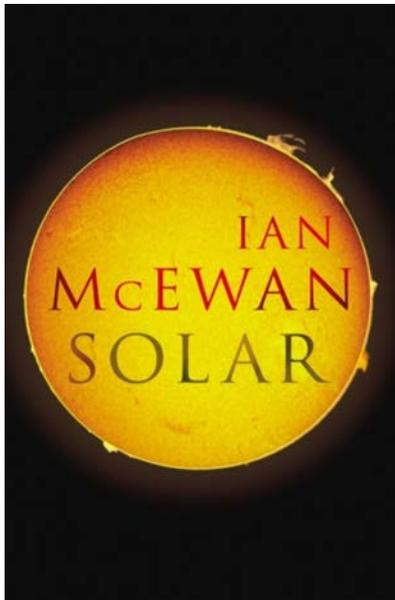


***The Human Side of Climate Change***  
***Bergen, 16-17 October 2015***

# Have you seen the Higgs Boson?



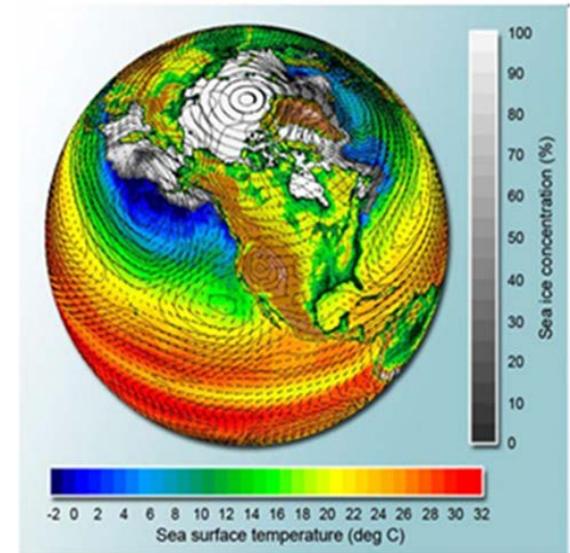
# Where would you go to see climate change?



**A story?**



**A place?**



**A model?**

**A scientific description of a physical reality ...  
or a story about the human condition?**

# Climate change, one ...

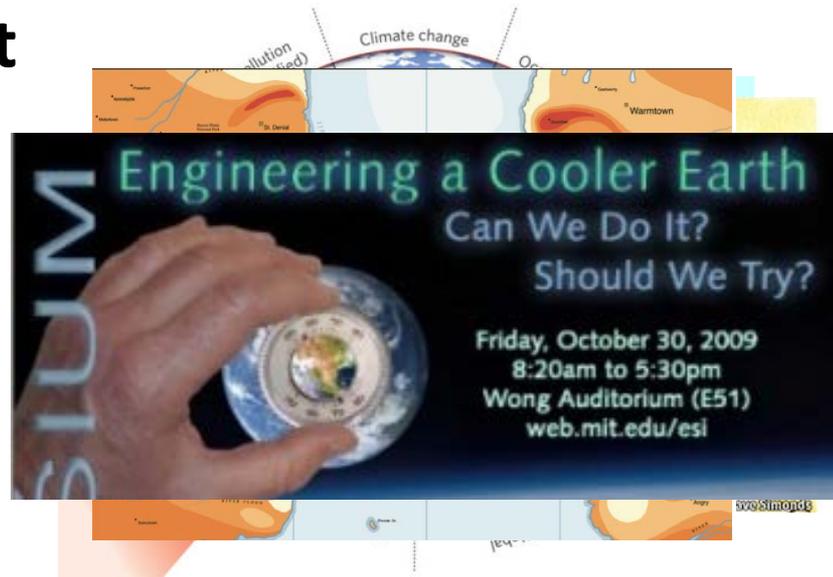
... climate

... thermostat

... science

... resistance

... assessment



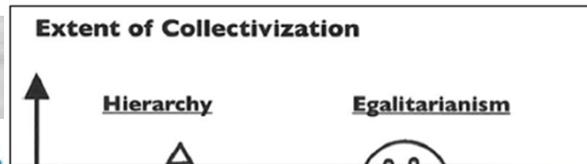
... goal

... polity

... or many ...

... climates

... thermostat

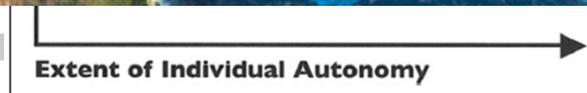


... knowledges

... publics



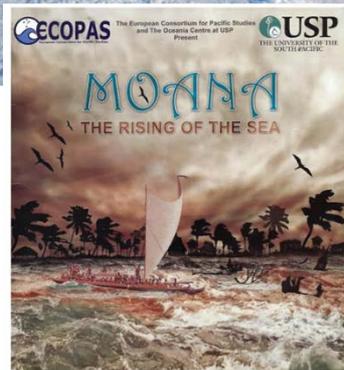
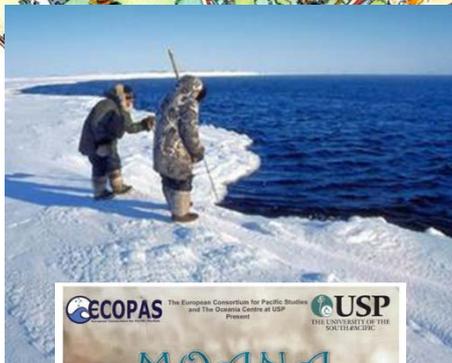
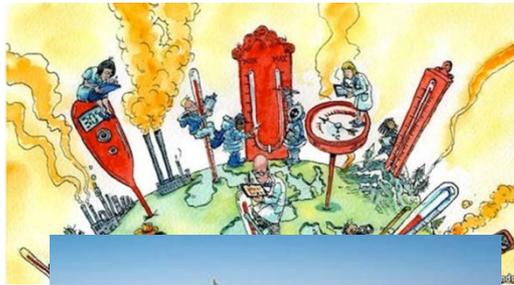
... polities



Wolfgang Behringer  
... goals

# Can climate change be seen?

After Rudiak-Gould (2014)



**'the invisibilists'**

**'the visibilists'**

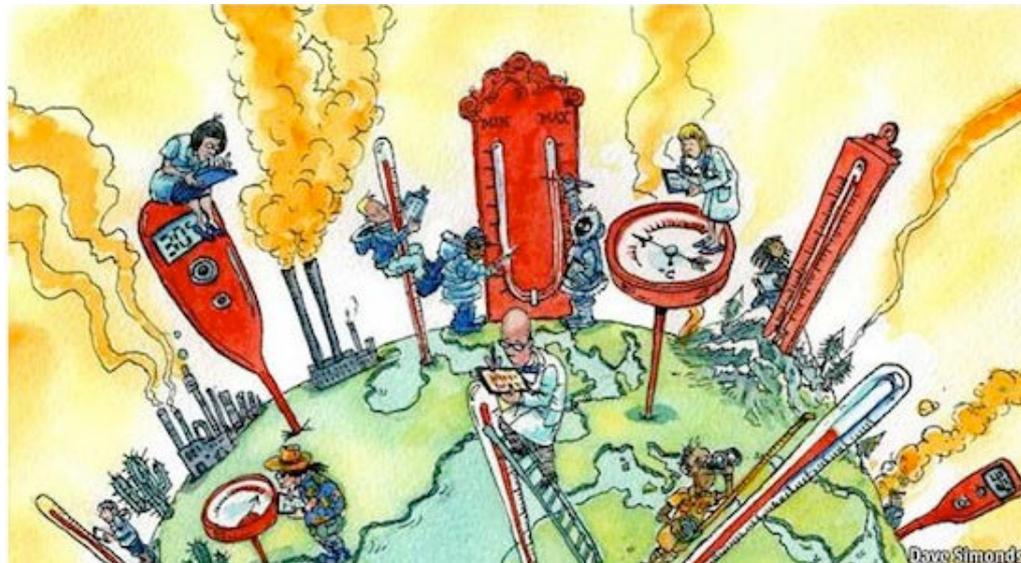
**'constructive visibilism'**

# The ‘invisibilists’ – revealing climate change

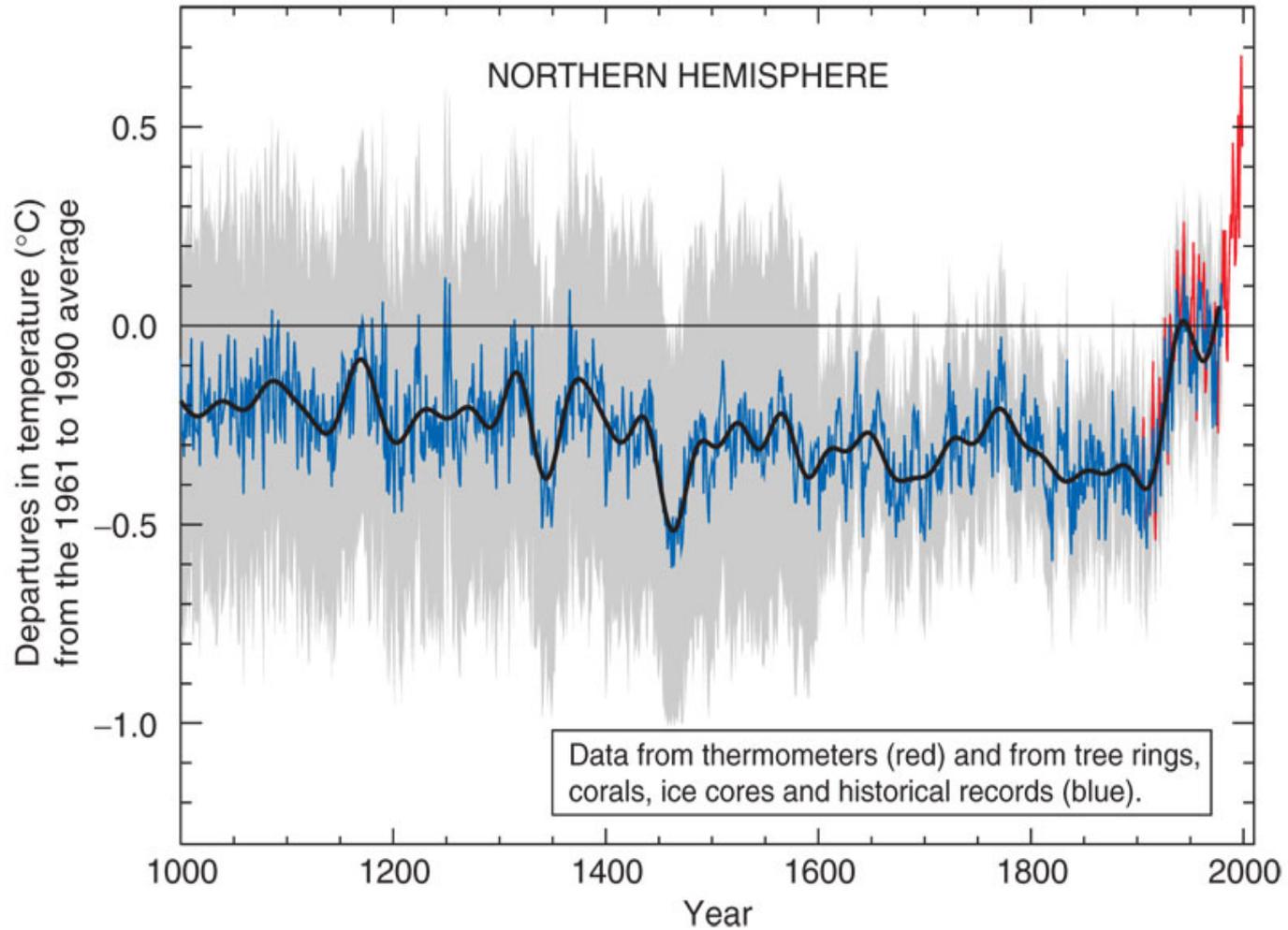
*“Because climate change is so hard to detect from personal experience, it makes sense to leave this task to climate scientists.*

*This makes [it] a phenomenon where **people have to rely on scientific models and expert judgment**, and/or on reports in the mass media, and where their own personal experience does not provide a trustworthy way to confirm the reports.”*

[APA Task Force Report, 2009]



# The 'invisibilists'

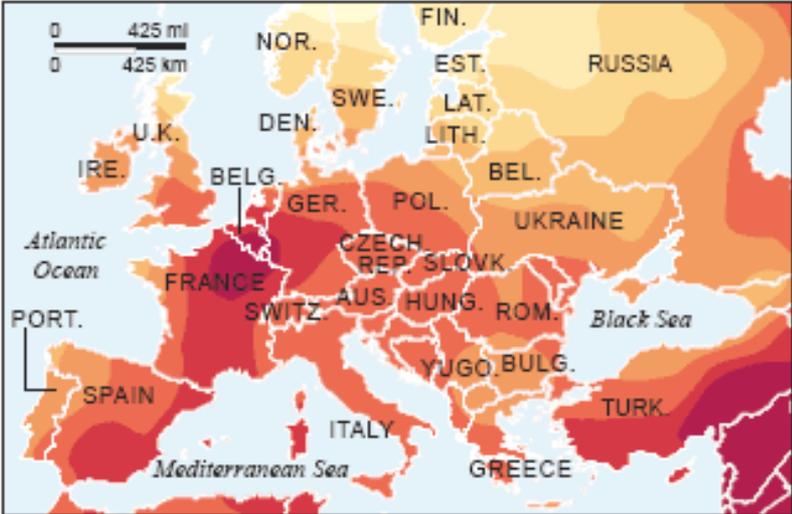
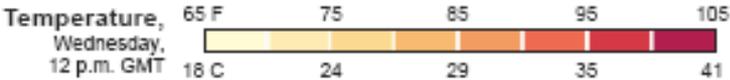


# Attributing extreme weather



## Oppressive heat across Europe

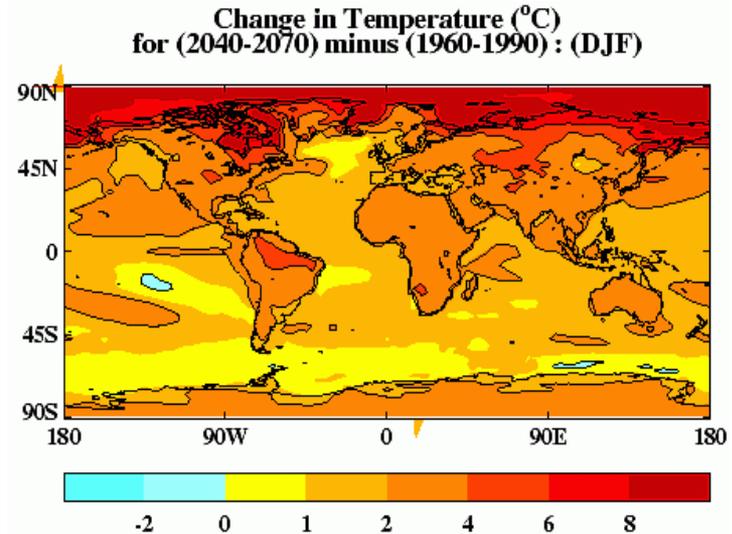
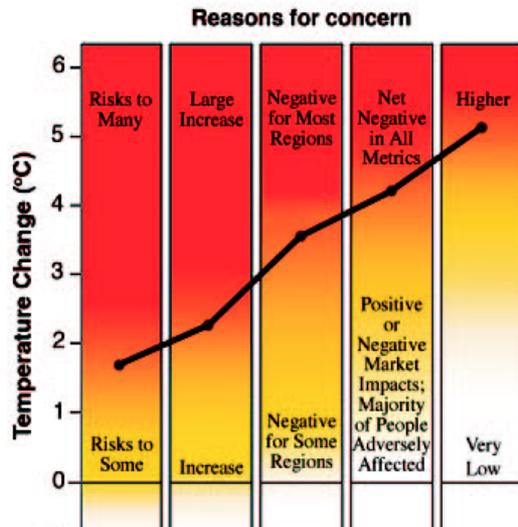
Officials throughout Europe warned people to stay out of the sun as many countries face temperatures approaching 100 degrees.



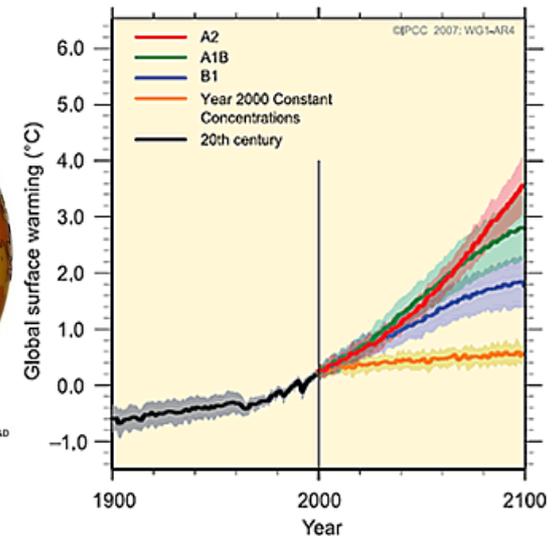
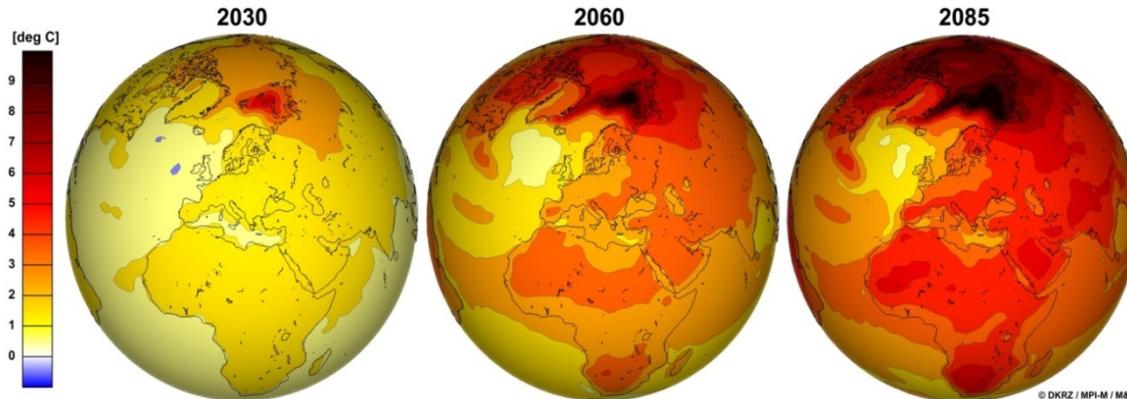
SOURCE: Weather Underground



# Scientific representations of future climate



Simulated Temperature Change with ECHAM5 / MPI-OM: IPCC Scenario A1B



# Interactive scenario visualisation



# The 'visibilists' – seeing with your own eyes



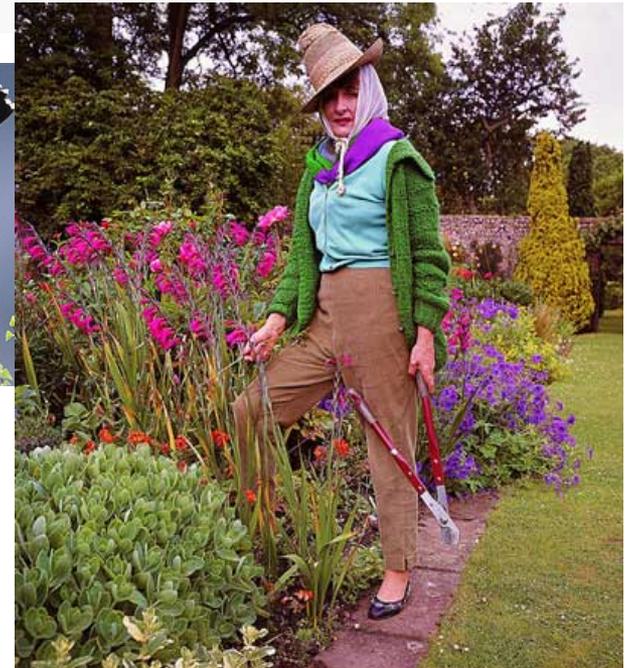
***“In 2002, then Prime Minister Koloa Talake stated, “Flooding is already coming right into the middle of the islands, destroying food crops and trees, which were there when I was born sixty years ago. These things are gone. Someone has taken them and global warming is the culprit. . . . We have seen it with our own eyes.”***

[Quoted in Rudiak-Gould, 2013: 125]

# The 'visibilists' – seeing with your own eyes



# The 'visibilists' – careful observations



# Seeing climate change?

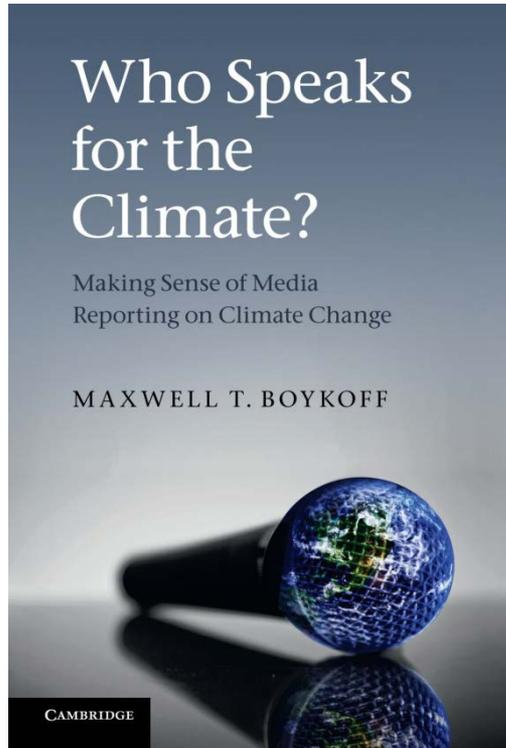


**Moteratsch Glacier, Switzerland**

# What is at stake in these different positions?



# ‘Constructive visibilism’



***“Climate change is neither inherently invisible nor inherently visible; it is, like all other objects, made visible”***

**[Quoted in Rudiak-Gould, 2013: 128]**

# 'Capturing' climate change on film



The co-operative presents

# CHASING ICE

WINNER  
EXCELLENCE IN CINEMATOGRAPHY  
2012  
SUNDANCE  
FILM FESTIVAL

WINNER  
HOT DOCS

WINNER  
SXSW

WINNER  
FULL FRAME

"YOU'VE NEVER SEEN IMAGES LIKE THIS BEFORE...  
IT DESERVES TO BE SEEN AND FELT ON THE BIG SCREEN" — ROBERT REDFORD

FROM THE PRODUCER OF THE ACADEMY AWARD-WINNING *THE COVE* A FILM BY JEFF ORLowski

THE CO-OPERATIVE AND DOGWOOLF PRESENT  
AN EXPOSURE PRODUCTION  
IN ASSOCIATION WITH DIAMOND DOGS "CHASING ICE"  
FEATURING JAMES BALOG - ADAM LEWINTER - TAD PFEIFER  
STORY BY JONATHAN KATSON - JASON BOYER WRITTEN BY J. RALPH  
ORIGINAL SCORE: "BEFORE MY TIME" MUSIC AND LYRICS BY J. RALPH  
PERFORMED BY SCARLETT JOHANSSON AND JUSTINA BELL  
EDITED BY DAVID COCHRANE AND LISA MANNING  
DIRECTOR OF PHOTOGRAPHY: JEFF ORLowski PRODUCED BY JAMES BALOG  
EXECUTIVE PRODUCERS: STACY SHEPARD - BILLY RAY - JAMES DILLMEYER  
EXECUTIVE PRODUCERS: RANDI J. COHENFELD - LINDA A. COHENFELD  
PRODUCED BY PAULA DUPRE - PETER - JERRY ARONSON  
PRODUCED & DIRECTED BY JEFF ORLowski

EXPOSURE

[www.chasingice.co.uk](http://www.chasingice.co.uk)  
f /chasingiceUK    /chasingiceUK

The co-operative  
dogwoolf

Photographer James Balog

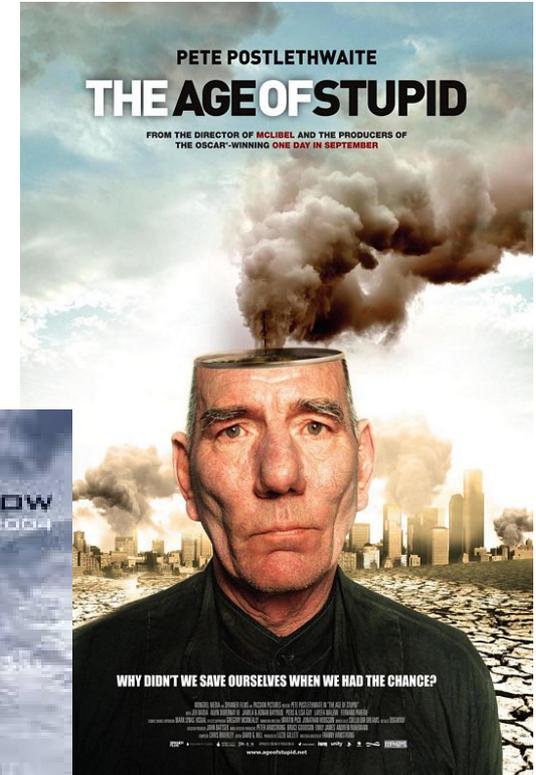
# Movies



***An Inconvenient Truth, 2006***



***The Day After Tomorrow, 2004***



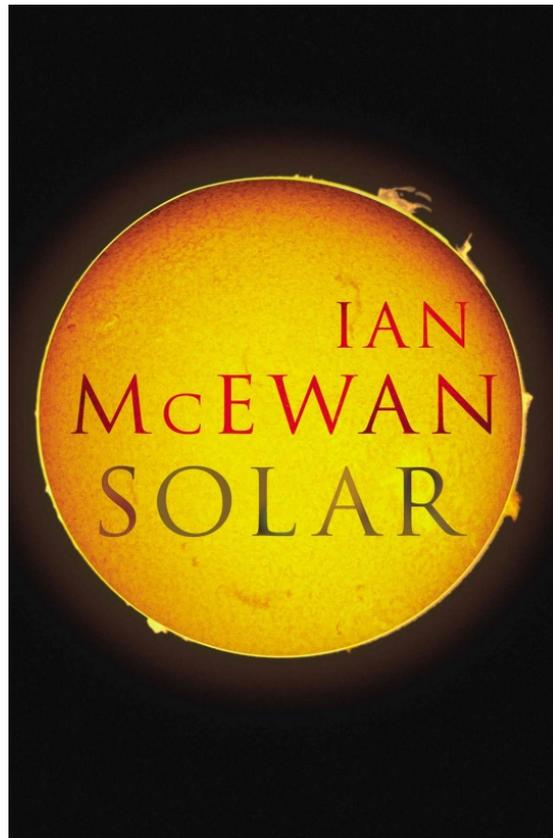
***The Age of Stupid, 2009***

# Visual Representations

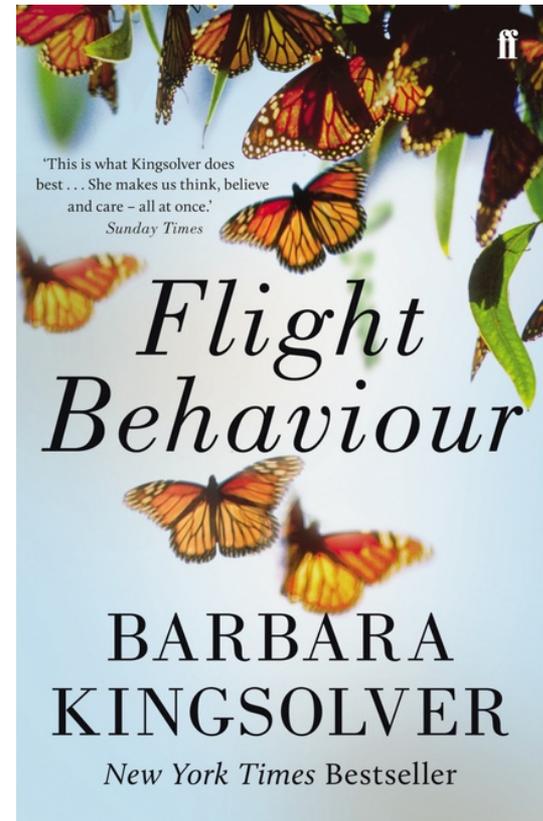


# Fiction

2010 ... 'comic allegory of self-indulgent excess'



2012 ... 'ecological enlightenment mapped onto female emancipation'



# Theatre

**The Contingency Plan, Bush Theatre, May 2009**



**'The Heretic', Royal Court Theatre, London, early 2011**

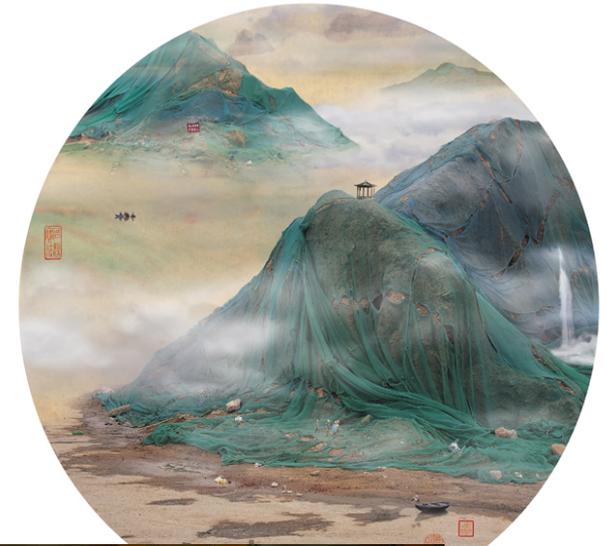


**'Earthquakes in London', summer 2010, National Theatre**



**'Greenland', early 2011, National Theatre**

# Visual arts: Installations



# Music

***Planetary Bands, Warming World .... 'sharing the science of climate change through music'***



## BAD ASTRONOMY

THE ENTIRE UNIVERSE IN BLOG FORM

OLDER  
Hubble Captures Gorgeous Picture of the Upcoming Comet ISON

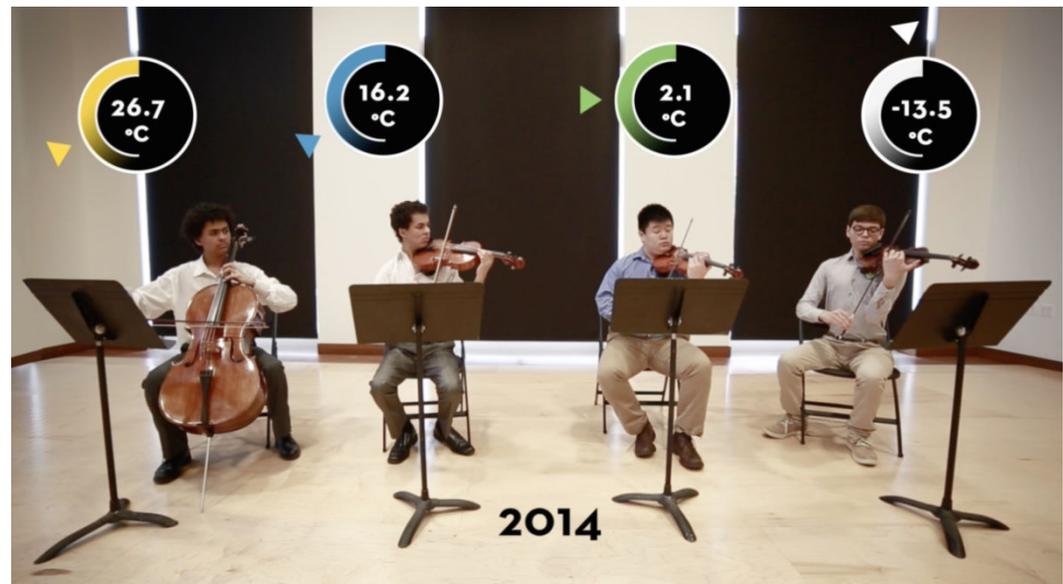
### The Haunting Melody of Global Warming

By Phil Plait | Posted Thursday, July 18, 2013, at 8:00 AM

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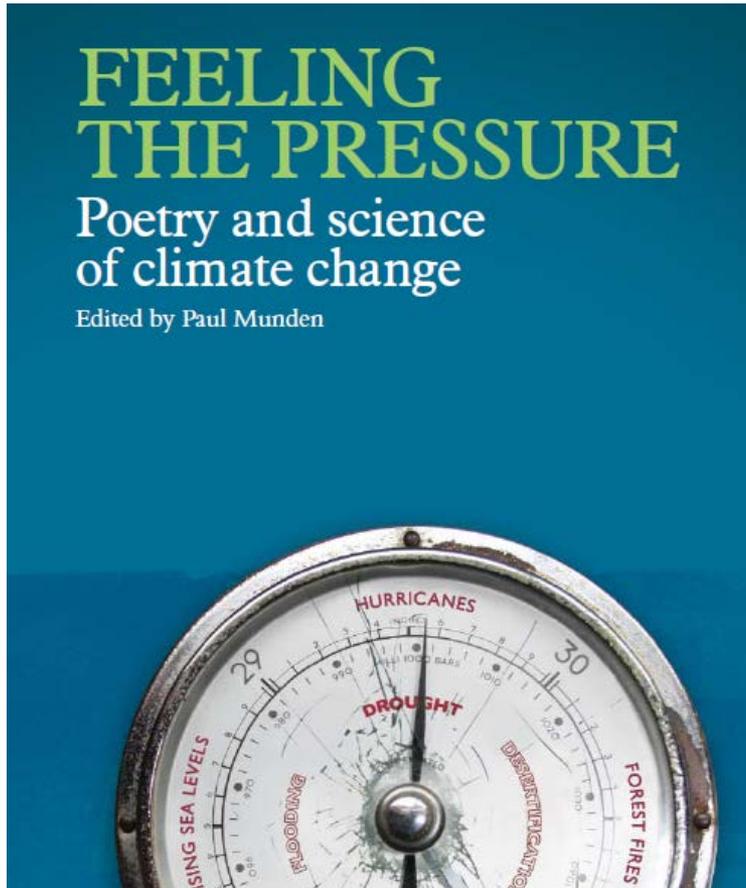
The rising chords of global warming. Photo from the video.



University of Minnesota, 2014



# Poetry

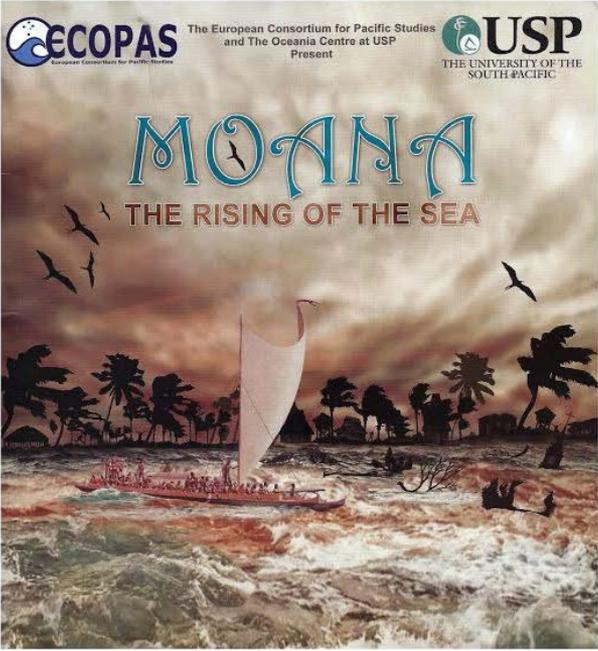


***Glacier* – Paul Munden**

***Here and now* – Andrew Motion**

***Meltwater* – Maggie Butt**

# Taking ownership of climate change: Moana



**Vilsoni Hereniko**





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