The End of Tourism?
Climate Change & Societal
Challenges

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Backdrop

- In 2006, prior to the Stern Report, the IPPR* published #Warm Words: how are we telling the climate change story?q
- Major finding? Climate Change discourses were confusing, contradictory and chaotic
- " Their overarching message? Nobody really knows what to do



*Institute for Public Policy Research Image from greenpeace

Tipping Point or Turning Point?

- " UK based survey: 88% believe that climate is changing
- 82% are very concerned about it
- 70% believe that no changeq means major environmental crisis
- 78% of are willing to change their behaviour
 - but people remain confused

guardian.co.uk TheObserver

News Sport Comment Culture Business Money Life & style

Environment Climate change

Poll: most Britons doubt cause of climate change

Juliette Jowit, environment editor The Observer, Sunday June 22, 2008 Article history

The majority of the British public is still not convinced that climate change is caused by humans - and many others believe scientists are exaggerating the problem, according to an exclusive poll for The Observer.

The results have shocked campaigners who hoped that doubts would have been silenced by a report last year by more than 2,500 scientists for the UN Intergovernmental Panel on Climate Change (IPCC), which found a 90 per cent chance that humans were the main cause of climate change and warned that drastic action was needed to cut greenhouse gas emissions.

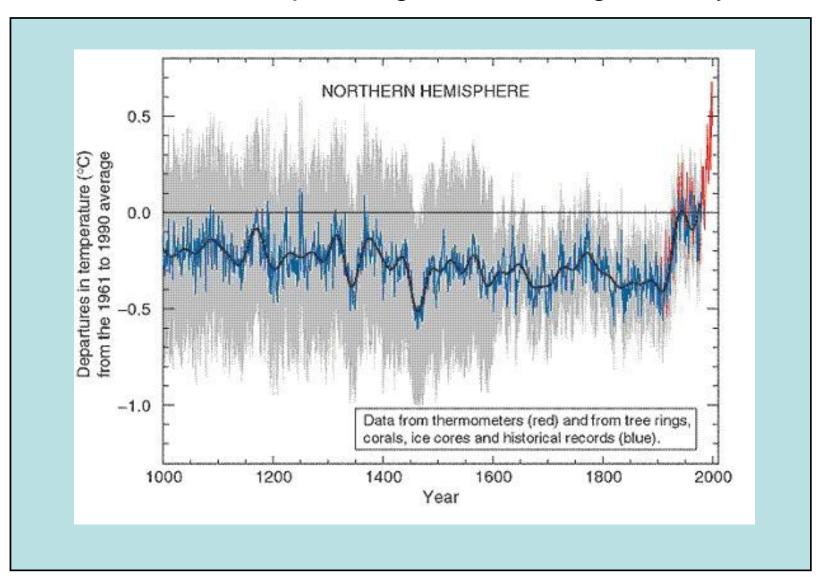


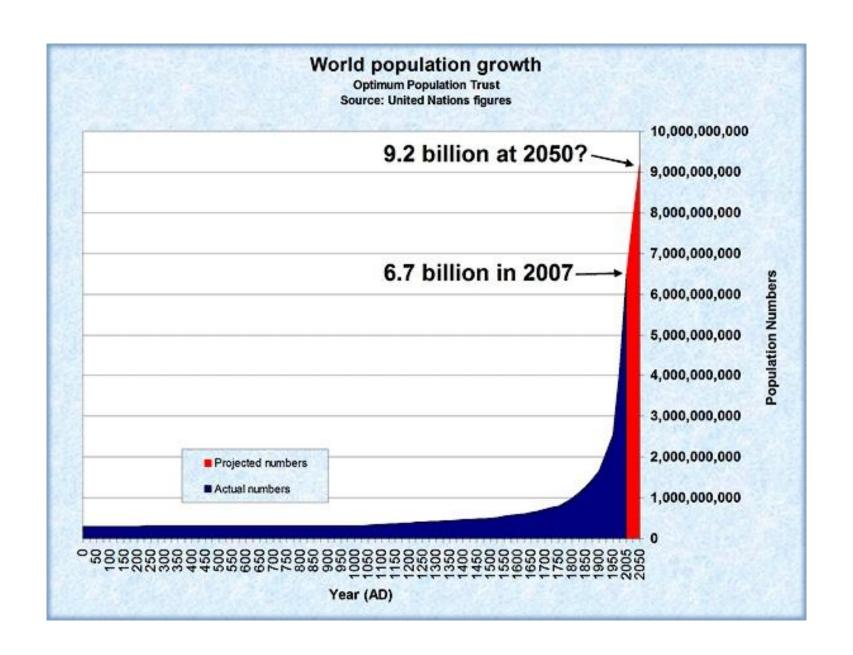
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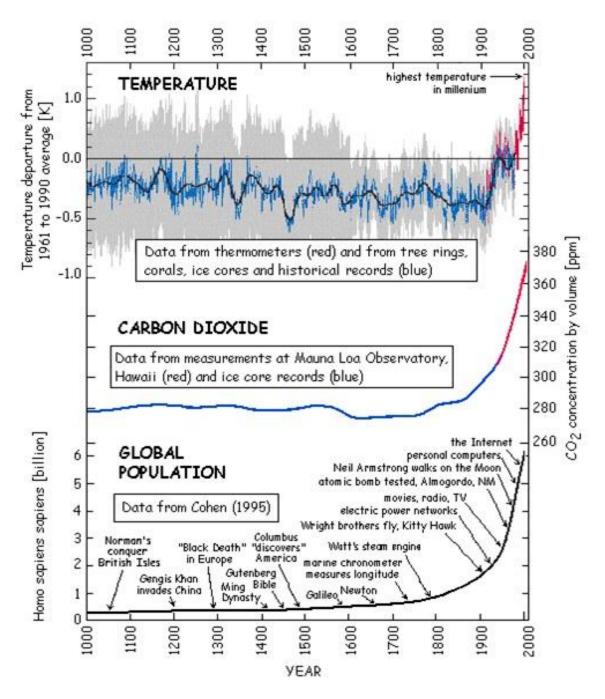
We know there is a discrepancy between *knowledge* and *action*.



Michael Mann et alcs 1998 global warming Hockey Stickq

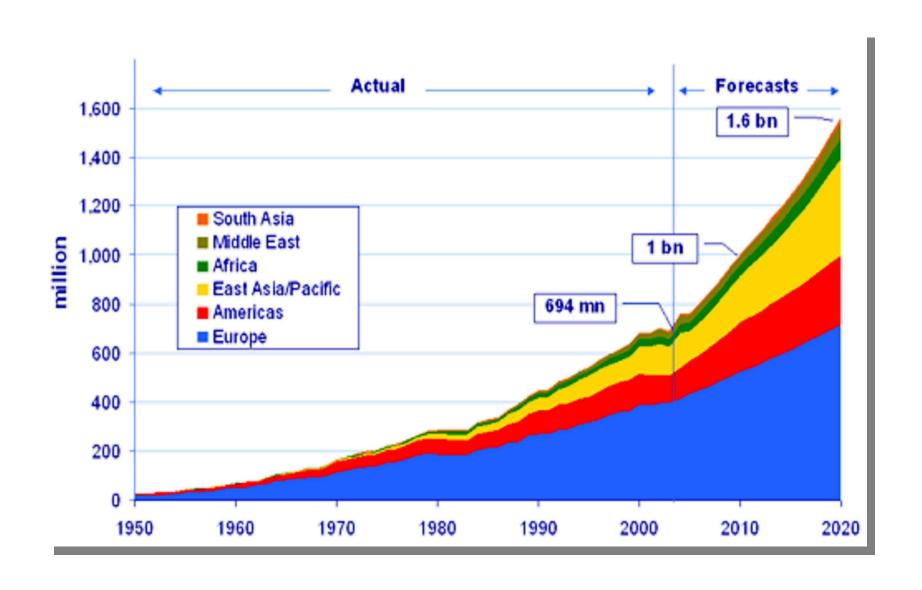






http://logicalscience.blogspot.com/2006_10_01_archive.html

International Tourist arrivals 1950-2020 (UNWTO)



The End of Tourism?

- Worst case scenario: oil prices and global warming may produce such catastrophic changes to society that tourism becomes irrelevant to society
- "Best case scenario: adaptation, mitigation, and technological innovation reduce tourisms carbon footprint to zero
- "Can interactive technology offer carbon-neutral virtual tourist experiences through shared virtual environments (a shift from corporeal to digital copresence)?

Acceptable futures for tourism?



Do we expect existing tourist behaviour paradigms to last forever?

Image: http://mutiny.in/2007/07/13/save-the-tiger/





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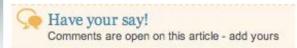
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Below is the image in its original context on the page: www.news.com.au/travel/ story/0,23483,21982063...

Virtual tourism takes off in Second Life

BY KATJA GASKELL June 28, 2007 12:00am

CYBERSPACE could be the next big holiday destination. No more worrying about excess baggage, tan lines or what you look like in a bikini. Now to get away from it all, all you need is a broadband connection.



Dream holidays are now within the reach of millions more people - at least in the virtual online world of Second Life, where a burgeoning tourism sector has sprung up.



Always a holiday ... residents of the virtual world Second Life are offering tours, opening virtual travel agencies and publishing guidebooks.

Second Life is one of the most famous virtual worlds on offer. It has attracted 7.5 million members since first developed by San Francisco-based developers Linden Lab in 2003. A cross between a computer game and a chat room, these digital worlds let visitors explore 3D virtual environments and interact with one another in cyberspace.

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Three big questions about climate change

- 1. How can global climate change be brought into the psychological sphere of the individual?
- 2. What type of information is necessary to trigger behavioural change; how can it best be communicated?
- 3. How can local action be co-ordinated so as to acquire global significance and impact?

But then we have Ryanairõ



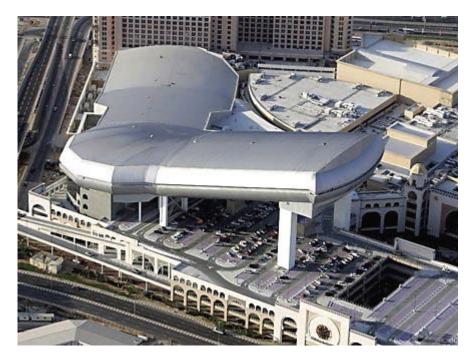
6 we would welcome a good, deep, bloody recession for 12 to 18 months. We need one if we are going to see off some of this environmental nonsenseõ +

Three big questions for tourism & climate change

- 1. What are the constraints embedded in political systems, civil society, and global institutions that militate against public understanding of tourism and climate change?
- 2. How can we model tourism so as to better understand human dimensions (including sustainable livelihoods) as it flows along various supply and value chains?
- 3. What is most essential for consumers, society, firms and policy-makers to know about tourism and climate change and what are the best methods for communicating science that gains trust and positive behavioural change including sustainable business practice?

But then we have Ski Dubai





Three introspective questions for tourism & society

- 1. Could individuals travel less; have life-mobility strategies instead of annual vacation plans (i.e. the holiday of a lifetime becomes just that)?
- 2. Could the internet become a pay-per-view media where consumers have new experiences via virtual environments?
- 3. Could the need for tourist mobility developed over the last 60 years be replaced by contentment and appreciation of home-life space stay-cations?

But then we have space tourismõ



http://abcnews.go.com/Technology/TenWays/popup?id= 3603721&contentIndex=1&page=3)

Climate change and society

- " We must learn the regulatory lessons from the present banking/ financial crisis!!!
- Climate change is the paradigm, the tools are best effortqby people and industry
- " Climate change is about rights
- Climate change is leading to a new industrial revolution
- Combination of regulation, best efforts, and market pressure will drive CC responses

What we know about change in society

- Demographics
 - . developed vs. developing worlds
 - . aging population/ baby boomers
 - . Fragmented and single family units
 - . Shift to urban living (2007 crossed the 50% threshold)
- " Information flows
- Tourism mobility as a social desire
- "Search for authenticity, inspiration, rejuvenation
- This is a mainly middle class debate: social exclusion/ elitism

REVIEV HE SUNDAY

THE INDEPENDENT ON SUNDAY

4 FEBRUARY 2007



30 places you need to visit while you still can

A 64-page Travel Special also featuring explorers in suburbia, Richard Benson's Grand Day Out and the worst destination in the world if you've just broken up with your boyfriend

nperature is rising – and numans are to Diali

use of the time stem takes to offers a series future temper-, based on six rios of global particular, inind consequent

ate for the low as B1, is a 1.8C of 1.1C to 2.9C) nate for the high as A1FI) is 4C. re limit of 2.4C. ge limit of 6.4C from the worst-C given in the sment Report, R, published in rt elsewhere, a or the world.

ned these new e increase over s in knowledge back" mechach a warming ess able to abh further inning, which fur-O2 uptake, and says. "The new e likely ranges rger number of of increasing ealism, as wel ion regarding backs from the

port (known as as a more optiin the TAR in a worst case of 100. compared rlier report.

a level rise, yes

■ Main points of the IPCC report

#Best guesses" are that the global temperature will rise by 1.8C to 4C over the next century, depending on the level O2 from cars of the world's population and ustrial activity. These are global averages and the local figures would be higher in high latitudes such as Britain.

> Worst-case scenario is that with high fossil fuel use and strong economic growth, rise could be 6.4C, again, with higher rises nearer the poles

M Stabilising CO2 levels in the atmosphere at 550ppm - which ld represent a some experts think the world should aim at - would itself probably mean a rise of 3C, and possibly 4.5C.

1910

1950

GLOBAL LAND

GLOBAL OCEAN

■ Temperatures in the next two decades are likely to rise by 0.2C per decade.

nario is 59cm by 2100, less than predicted in 2001, but this might be much higher when climate system feedbacks are factored in, and ice discharge from Greenland and Antarctica rises.

That global climate change is occurring is "unequivocal."

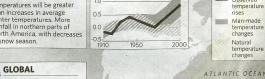
■ That human beings are responsible for it is "at least a nine out of 10 chance".

being used to simulate future sea levels do not yet take account of increase as the world warms. If risk of catastrophic storm damthermore, although the predic-linearly with global average tem-Bangladesh or Egypt's Nile Delta. tions include a contribution due to increased ice flow from the the worst-case upper limit could Greenland and Antarctic ice increase by another 10cm to sheets for the period 1993-2003, 20cm - and so back up to 79cm. fact that these flow rates could metre would vastly increase the which has emerged since the last acid/alkaline balance is measured

The century that saw global warming on every continent

How actual temperature increases around the world were explained by computer models of man-made

NORTH AMERICA Increases in lowest winter temperatures will be greater than increases in average winter temperatures. More rainfall in northern parts of North America, with decreases in snow season





KEY



perature change, the report says

feedback mechanisms. Furthis contribution were to grow age to low-lying regions such as

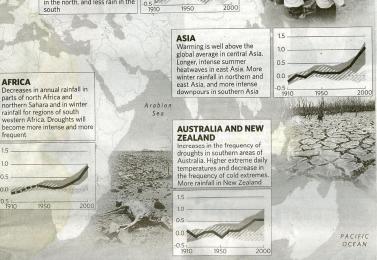
ACIDIFICATION OF THE OCEANS

For the first time, the IPCC sci-

report: the acidification of the oceans. Much of the CO2 we are pumping out is absorbed by the sea, but there has been so much of it that it is starting to react chemically with the water to produce carbonic acid. The pH value Sea-level rise approaching a entists address another issue of the sea - the way in which its

pollution rather than natural climate variations





units since pre-industrial times. bonate shells, and could threat-0.14 to 0.35 units during the 21st of which they are the base. century, the report says.

This steadily acidifying ocean will pose a severe threat to many creased confidence levels. It says

and could decrease by a further en the whole marine food chain

The fourth IPCC report is most noteworthy for its greatly in- global mean sea level". The IPCC which need an alkaline environing is taking place is now "unhas been caused by human acti- Earth has ever faced.

- has already decreased by 0.1 ment, to build their calclum carequivocal", saying this is evident tivities. In practice the report will "from observations of increases end the debate about the fact and in global average air and ocean causes of climate change for all temperatures, widespread meltbut the most perverse sceptics, ing of snow and ice, and rising and will serve as a forceful spur to unified action for a world comscientists believe there is "at least munity still divided over how to of the small marine organisms that the fact that global warm- a nine out of 10 chance" that this combat the greatest threat the

Carbon dio is at highes for 650,000

By Steve Connor

Concentrations of carbon dioxide in the atmosphere are at their highest levels for at least 650,000 years and this rise began with the birth of the Industrial Revolution 250 years ago, according to the Intergovernmental Panel on Climate Change (IPCC).

Carbon dioxide is the principal greenhouse gas responsible for global warming and, in 2005, concentrations stood at 379 parts per million (ppm). This compares to a pre-industrial level of 278 ppm, and a range over the previous 650,000 years of between 180 and 300 ppm, the report says.

Present levels of carbon dioxide - which continue to rise inexorably each year - are unprecedented for the long period of geological history that scientists are able to analyse from gas samples trapped in the frozen bubbles of deep ice cores.

However, the IPCC points to a potentially more sinister development: the rate of increase of carbon dioxide in the atmosphere is beginning to accelerate. Between 1960 and 2005 the average rate at which carbon dioxide concentrations increased was 1.4 ppm per year. But when the figures are analysed more closely, it becomes apparent that there has been a recent rise in this rate of increase to 1.9 ppm per year between 1995 and 2005.

It is too early to explain this accelerating increase but one fear is that it may indicate a change in the way the Earth is responding to global warming.

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Political, social, business contradictions

Multidirectional pressure for change

Urgent need for consumption changes

Growing consumer ethical awareness

Consumer choice and freedom

Growth of experience economyon

Responsibility for stewardship?

Think global

Muddled evidence & policy conflict

Vacillation, lazy tax policies

Lack of trust and knowledge

Green policies that limit choice

Energy intensive peak experiences

Fragmented, conflicting interests

Act local

Tourism contradictions

Anguished discussions on ±ourismq

Incessant demand for travel modes

Continued business growth

Ecotourism in remote destinations

Need to reduce aircraft GHG

Lifestyle pressure to consume

Pro-poor tourism initiatives

Reducing demand through price hikes

Hourismqnot homogenous

Roads & airports ±npleasantq

Pressure to reduce travel

Ecotourism a problem not a solution

Airport owners seeking expansion

Need to reduce consumption

Pressure to reduce long haul travel

Societal need for social inclusion

Literature tells us:

% If we want things to stay as they are, things will have to change +

What we need to doo

- Define new, radical, coherent policies, and business practices
- Influence consumer attitudes
- Create environment for innovative ways of meeting desires for peak experiences within a low carbon economy
- Facilitate re-emergence of slow tourismqwhere the journey once again becomes an enjoyable part of the product?
- " Undertake responsible demand and consumer expectation management
- Think laterally about resolution of contradictionsõ

Finallyõ

If you wondo who will?

