

Climate Change: UK Response

Lauren Faber

Senior Policy Advisor, Climate Change and Energy
British Embassy, Washington DC

National Association of State Energy Officials

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A. Policy Drivers

B. UK response

- Domestic and International

C. The UK in the US

- Collaboration with California



INTERGOVERNMENTAL PANEL ON CLIMATE CHANGE

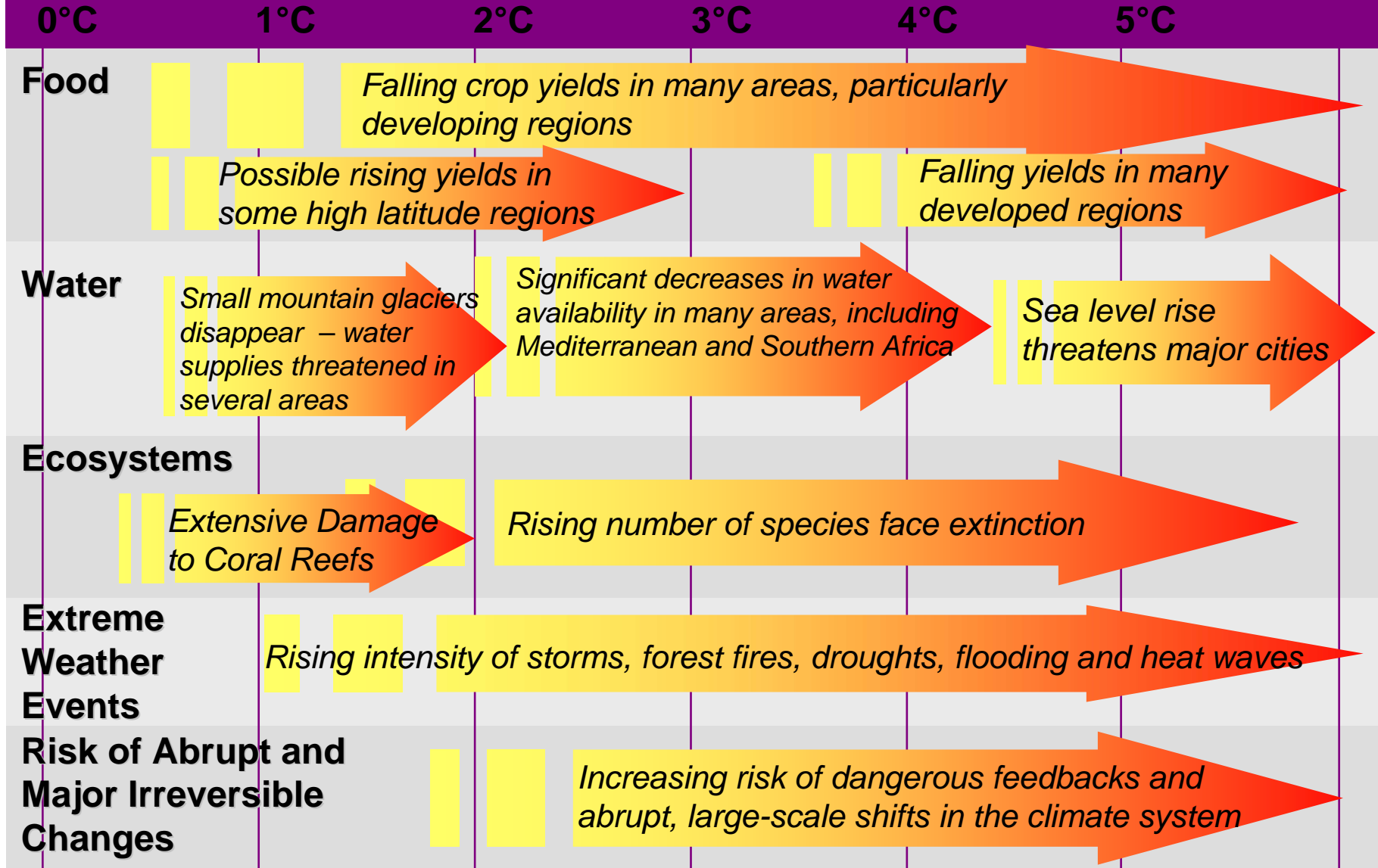
2500+ scientific expert reviewers
800+ contributing authors and
450+ lead authors from
130+ countries
6 years work
4 volumes
1 report

www.sternreview.org.uk

<http://www.ipcc.ch/>

Projected Impacts of Climate Change

Global temperature change (relative to pre-industrial)

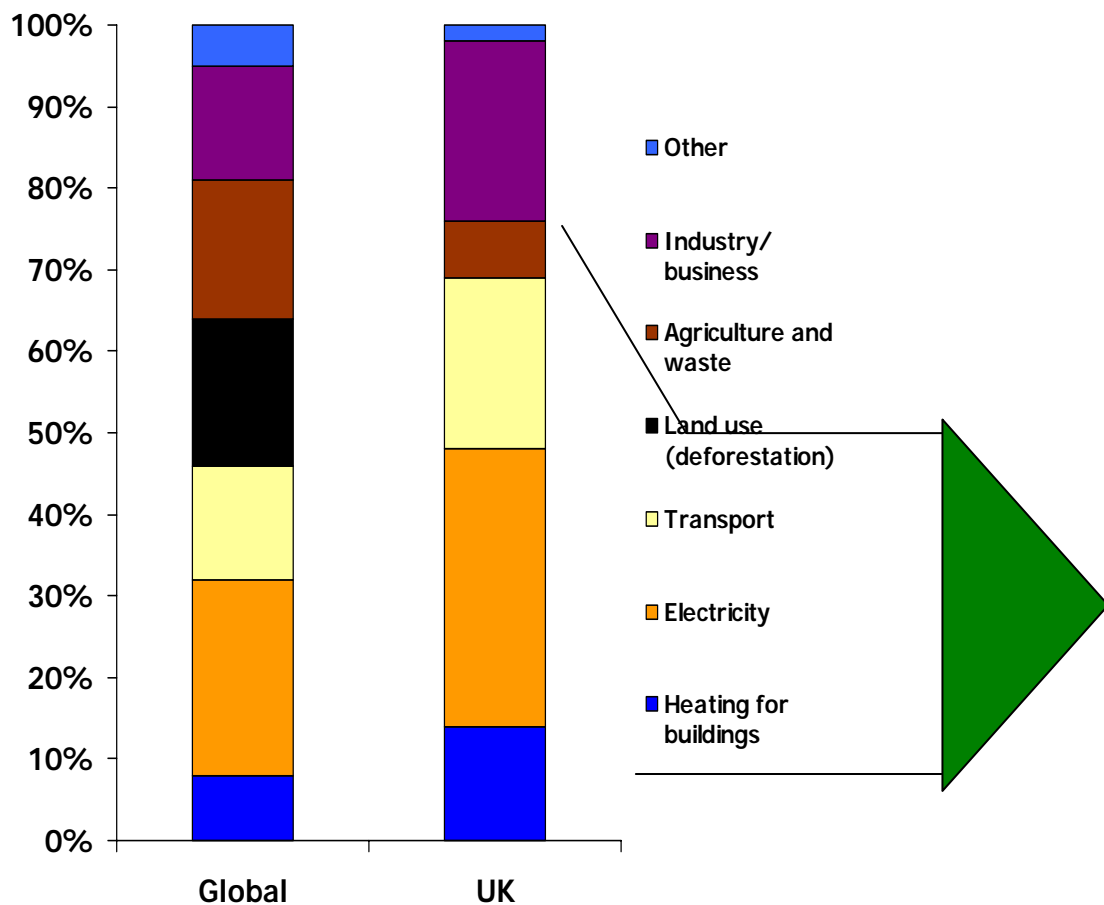


- Kyoto Target: 12.5% below 1990 by 2012
 - On path to double this target
 - CC Bill: 26-32% by 2020; 60% by 2050
 - RTFO: 5% by 2010
 - Government carbon neutral by 2012
 - EU targets:
 - 20% GHG reduction
 - 20% energy efficiency improvement
 - 20% renewables
- } by 2020

1. Long-term stabilisation goal
2. Deeper absolute emission reductions by developed countries
3. Further fair and effective contributions by other countries
4. Global carbon market
5. Increased cooperation on technology, RDD and transfer
6. Aviation and maritime transportation emissions
7. Adaptation
8. Deforestation

Decarbonising our largest sources of emissions requires significant further effort

Greenhouse gas emissions by source (shares of total CO₂e)



In the UK

Emissions from electricity generation, buildings (heating) and transport account for around 70% of all greenhouse gas emissions (largely CO₂)

Global: Stern Review (2006). UK: Fourth National Communication (2006). Different compilation methodologies mean that the global/UK sector comparisons are illustrative but not exact. UK land use has negative emissions.

International collaboration



...drives innovation and fuel business opportunities in achieving a clean energy revolution.



UNITED KINGDOM AND-CALIFORNIA ANNOUNCEMENT ON CLIMATE CHANGE & CLEAN ENERGY COLLABORATION



Four themes:

- **Deepen our understanding of the economics of climate change**
- **Collaborate on technology research and development**
- **Evaluate and implement market-based mechanisms that spur innovation; explore linkages**
- **Enhance exchanges between our scientific communities.**

British Cities and Local Action

London:

- Population 7 million
- 60% Reduction in CO₂ Emissions by 2050
- Congestion charging
- Low-emissions zone
- Renewable generation targets
- 6 large wind turbines by 2010
- 500 small wind turbines by 2020
- Anaerobic Digestion CHP Plants by 2010
- Biomass CHP Plants by 2010



Woking:

- Population 100,000
- 60% reduction by 2050
- Woking Council has cut its CO₂ emissions by a massive 77% since 1990.





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TOMORROW'S CLIMATE Today's Challenge

[Home](#) | [Understand climate change](#) | [Communicate climate change](#) | [Get involved](#) | [What's being done](#) | [Multimedia](#)

Together this generation will tackle climate change.

Welcome

Climate change is one of the biggest challenges we face today. The first step towards tackling the problem is to make sure everyone understands exactly what the challenge is and the difference they could make.

That's why talking about climate change is so important. We need to educate, excite and inspire others so that we can start working together to tackle climate change. The information on this site can help you understand, and tell the climate change story.

This website is part of the Climate Change Communication Initiative led by Delta, in partnership with the Environment Agency, the Carbon Trust, the Energy Saving Trust, the UK Climate Impacts Programme, the Department for Transport and the Department of Trade and Industry.

Understand climate change

Learn more about the facts and effects of climate change



Communicate climate change

Discover the best ways to communicate climate change



Get involved

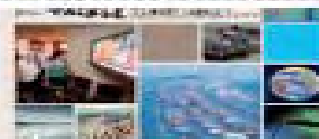
Gather the information and tools you need

What's new



The Action CO2 Calculator measuring CO2 emissions has been launched as a public trial version.

[Find out more about the calculator >>](#)



World Environment Day is June 5. This year's theme is climate change.

[View our project's events >>](#)

We have a new booklet about climate change.

[View our latest booklet >>](#)

CC Champion's Diaries



Find out what the Climate Change Champions have been up to since their Swiss trip.

[View Champion's Diaries film >>](#)

[Read about the trip to Chelonaip glacier >>](#)

[Read about the trip to the Gurschen glacier >>](#)

[Read more about the Champions' trip >>](#)

[Swiss Trip Slide Show \(3.9MB\) >>](#)

ACT ON CO₂

→ Buying a new car

Tips and advice
Best on CO₂
rankings

→ Smarter driving

Tips and advice
Savings calculator
The Emission
Mission

→ Campaign

Campaign ads
Brand partnerships
Newsletter

DISCOVER YOUR CARBON FOOTPRINT



HELP TACKLE CLIMATE CHANGE WHEN YOU BUY A CAR AND WHEN YOU DRIVE

WITH HELP FROM YOU, WE CAN REDUCE CO₂

ACT ON CO₂. You can help

All cars on the road today contribute to climate change because their engines burn fuel and therefore produce carbon dioxide (CO₂) every time we drive. Yet you can easily reduce these emissions and save money too. By following a few simple tips and suggestions you can reduce your engine's workload, which means it will burn less fuel and produce less CO₂.

You could choose a new car with a more fuel efficient engine. Or make sure your tyres are pumped up correctly to reduce resistance. Even travelling a bit lighter when you're out and about can help.

In fact, by following our [Smarter Driving tips](#) and suggestions, CO₂ emissions from cars could be reduced by 8%, and if everyone buying a brand new car this year opted for the [most fuel efficient model in its class](#), CO₂ emissions from new cars could be reduced by 24%.

Remember. You can help. Join the drive to reduce CO₂.

SMARTER DRIVING

We can all do our bit to reduce CO₂ emissions simply by applying a few easy tips when we drive.



LOW CO₂ TOP TEN

Check out our Best on CO₂ car rankings to find the top cars in each class.

Low CO₂ Top Ten

THE EMISSION MISSION

Play our game to test your Smarter Driving skills





Partnership on Global Climate Change Action between the United Kingdom and the State of Florida



Florida Gov. Charlie Crist, left, listens as Dr. John Ashton, the United Kingdom's Special Representative for Climate Change within the Foreign and Commonwealth Office, talks to the media about the changing environmental movement in governments in Europe during the ServetoPreserve, A Florida Summit on Global Climate Change, in Miami, Thursday, July 12, 2007.



by J. Pat Carter, AP

GLOBAL WARMING
ISN'T HAPPENING.

IT IS
HAPPENING.

IF IT'S HAPPENING, MAYBE
IT'S A GOOD THING.

IT'S NOT A
GOOD THING.

IF IT'S NOT A GOOD THING,
IT CAN'T BE CONFIRMED.

IT HAS BEEN
CONFIRMED.

IF IT'S CONFIRMED, MAYBE
IT'S NOT CAUSED BY HUMANS.

IT IS CAUSED
BY HUMANS.

EVEN IF IT'S CAUSED BY HUMANS,
MAYBE IT WILL FIX ITSELF.

IT WON'T
FIX ITSELF.

IF IT WON'T FIX ITSELF,
THERE'S NOTHING WE CAN DO.

THERE ARE
THINGS WE
CAN DO.

IF THERE ARE THINGS WE CAN DO,
THEY'RE TOO EXPENSIVE.

THEY'RE
NOT TOO
EXPENSIVE.

IF THEY'RE NOT TOO
EXPENSIVE, WE CAN
POSTPONE DOING THEM.

WE CAN'T
POSTPONE
DOING THEM.

WHAT DO YOU MEAN?? THIS
CONVERSATION HAS TAKEN
OVER A DECADE ALREADY.

AND I'M JUST
WARMING UP.

UNIVERSAL PAST TIME
© 2004 THE WASHINGTON POST

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THANK YOU

Lauren Faber

Senior Policy Advisor for Climate Change and Energy

British Embassy, Washington DC

lauren.faber@fco.gov.uk

Tel. +1 202 588 6674

www.britainusa.com

www.fco.gov.uk

www.defra.gov.uk