



Institute
and Faculty
of Actuaries

Climate Change & Mortality

Steven Baxter

Hymans Robertson LLP

steven.baxter@hymans.co.uk

This presentation is based upon the presenter's reading of a draft copy of the forthcoming IAA Resource & Environment Working Group research paper on climate change & mortality, along with his personal thoughts on the subject.

Any views given are the presenter's only, and should not be construed to be those of the IAA, the IAA working party, or his employer.

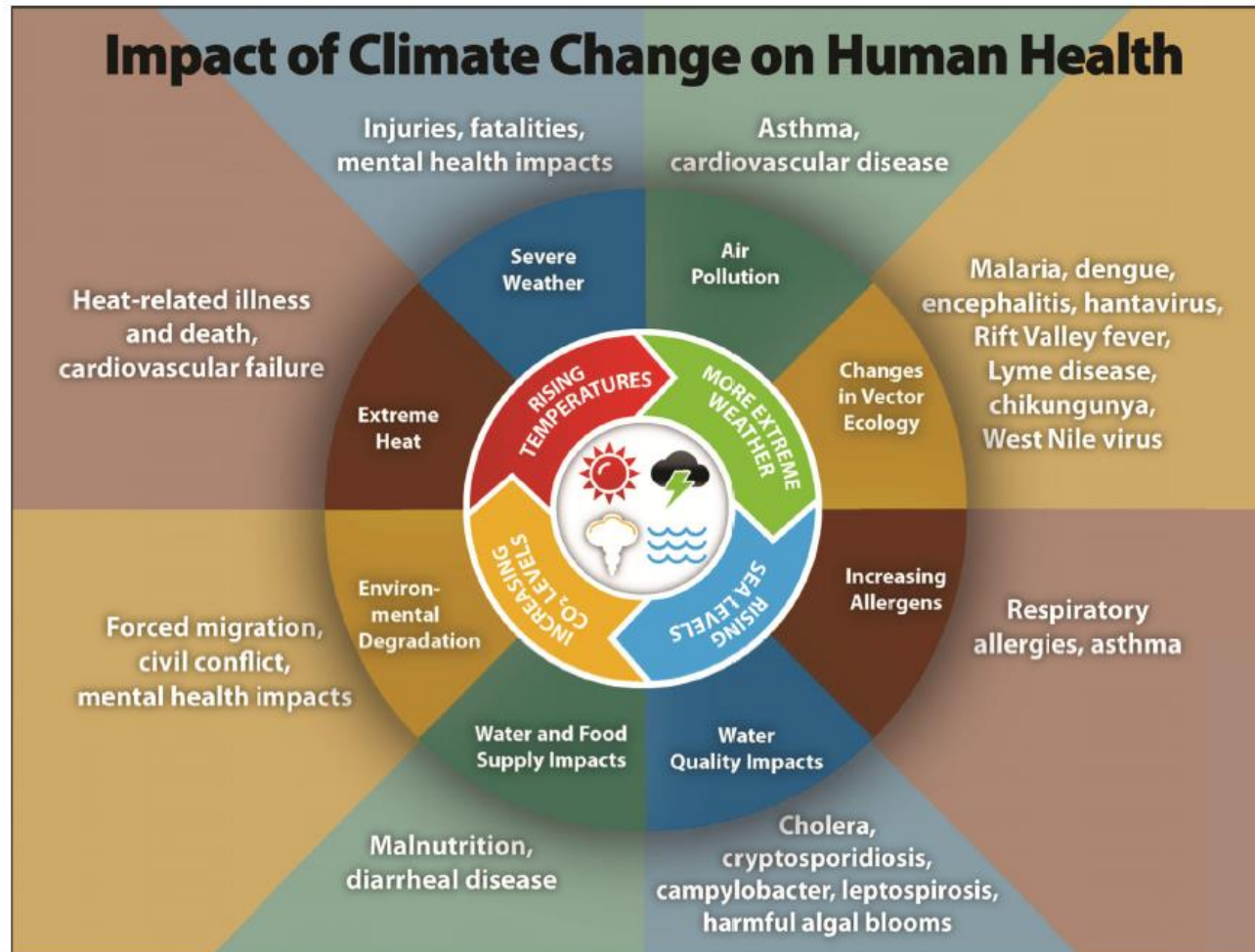
22 June 2016



It's complex....

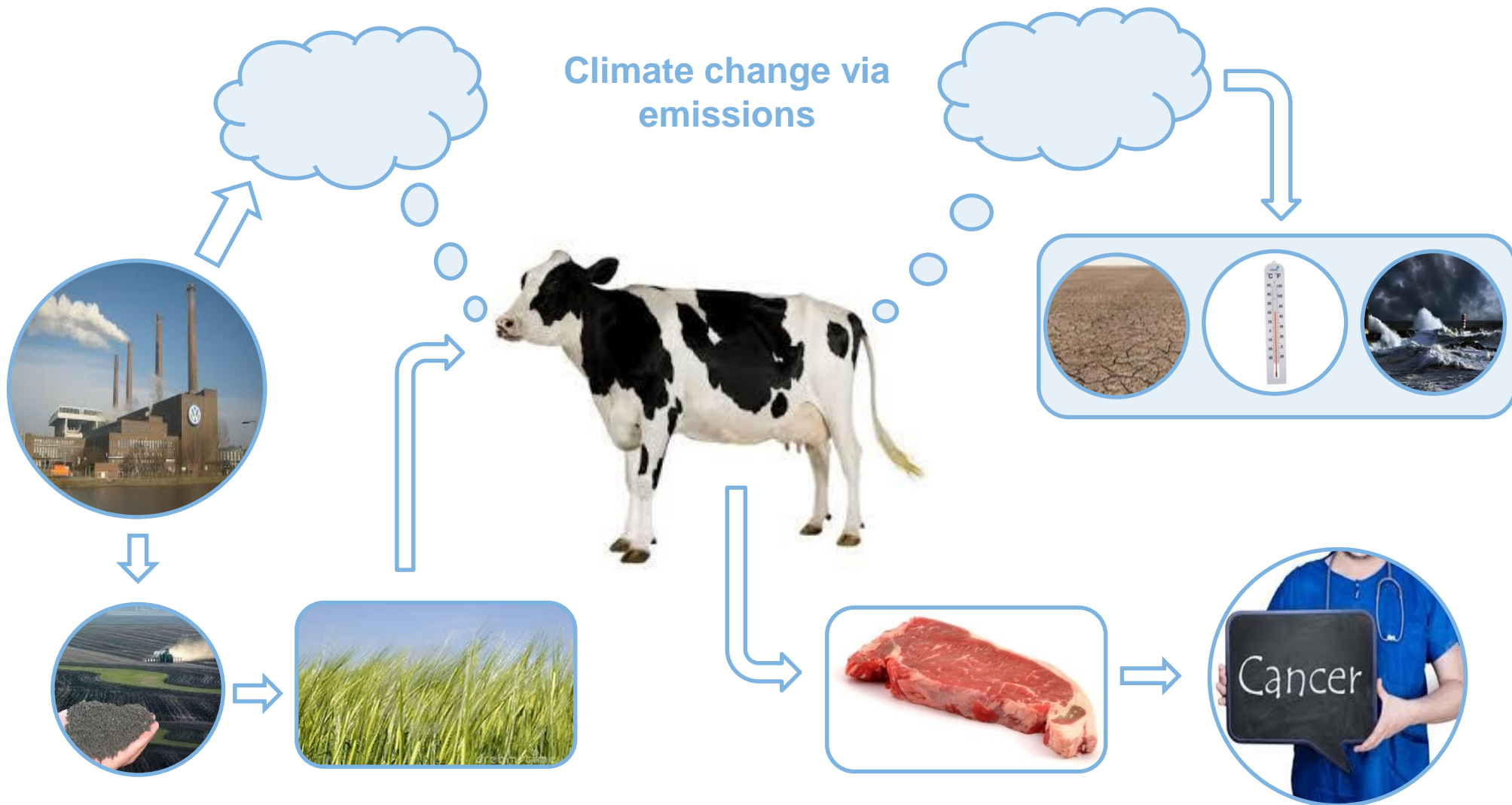
....and it depends...

1 An extremely complex problem



Source: George Luber, US Center for Disease Control and Prevention via IAA Resource and Environment Working Group.

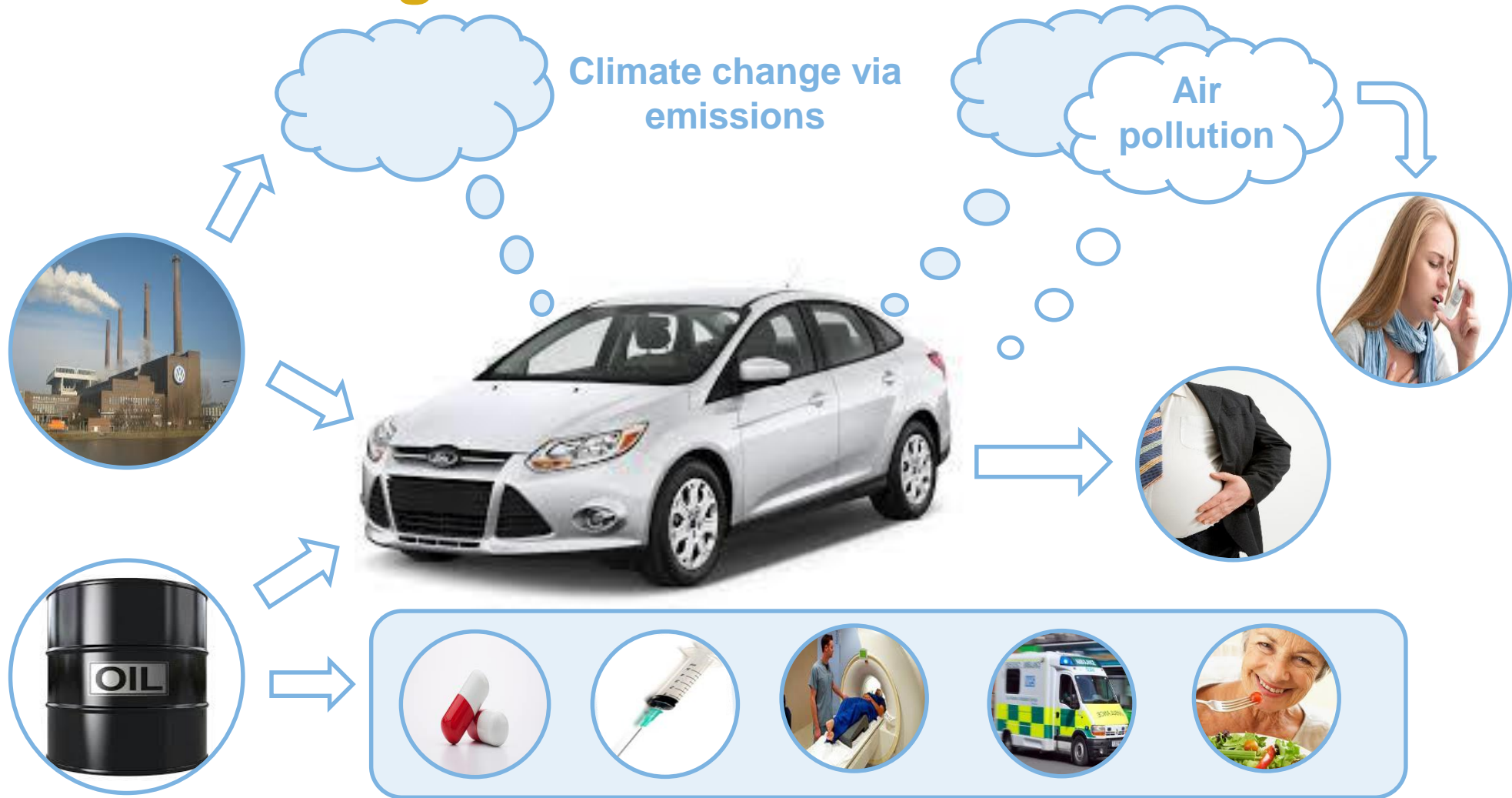
1.1: Belching cows



1.2: Belching cars



1.2: Belching cars



1.3: Potential mortality consequences

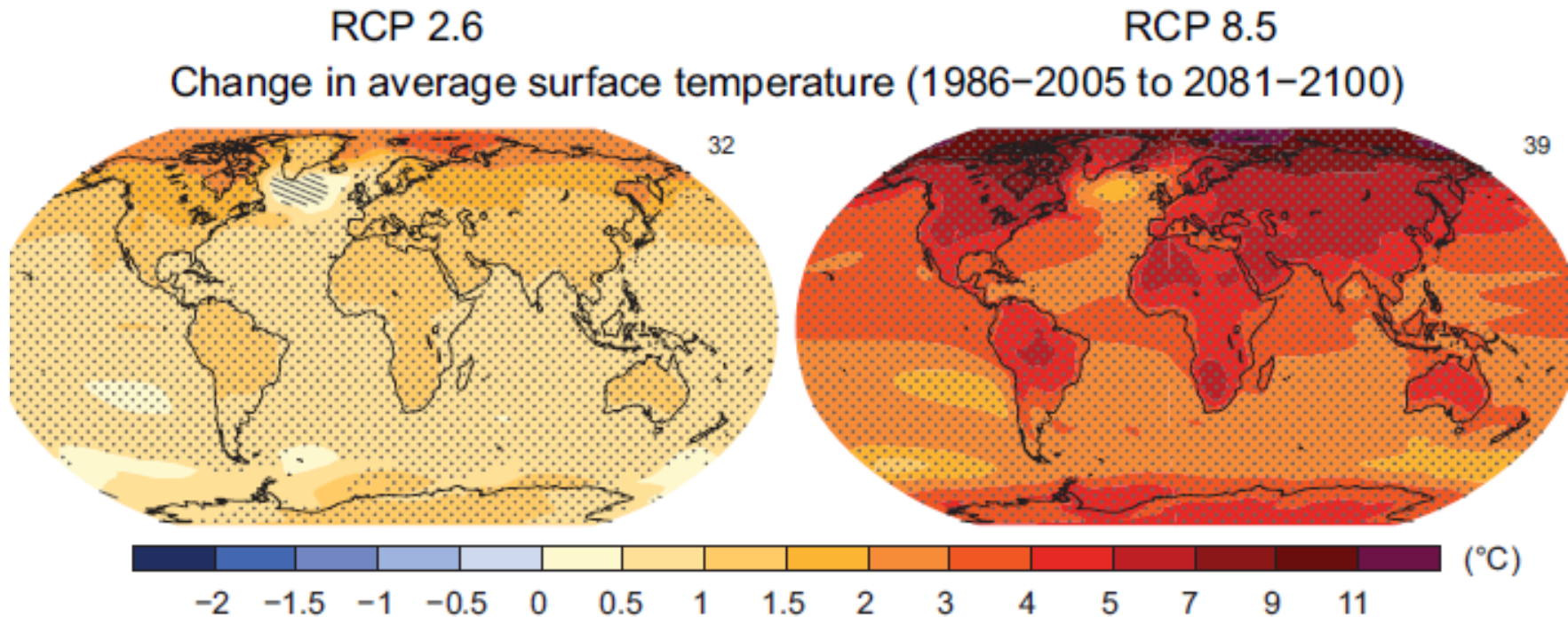
Beneficial



Adverse



2 Wide regional variation



Very substantial mitigations rapidly
put in place

Little change in emissions

Source: Intergovernmental Panel on Climate Change (IPCC) 5th assessment report (Working Group 1 , Summary for Policymakers)

3 The transition to a low-carbon economy



4 An opportunity?

“The work is only just starting, led by the NGOs like the WHO.

There is an opportunity for actuaries to be involved in the thought leadership...

...and work towards a smooth transition to a low/zero carbon economy.”

Paraphrased from personal correspondence with one of the report authors.