

TABLE OF CONTENTS

	PAGE
Executive Summary.....	1
Introduction: what is the issue?	3
What factors determine global climate?	3
What natural factors are important?	3
How do we know that the natural greenhouse effect is real?	4
How can man change global climate?	5
What are the greenhouse gases and why are they increasing?	5
Concentrations, lifetimes and stabilisation of the gases	7
How will the greenhouse gases increase in future?	9
Greenhouse gas feedbacks.....	9
Which gases are the most important?	10
How can we evaluate the effect of different greenhouse gases?.....	11
How much do we expect climate to change?	13
How quickly will global climate change?	13
a. If emissions follow a Business-as-Usual pattern.....	13
b. If emissions are subject to controls.....	14
What will be the patterns of climate change by 2030?.....	16
How will climate extremes and extreme events change?	17
Will storms increase in a warmer world?	17
Climate change in the longer term.....	19
Other factors which could influence future climate	19
How much confidence do we have in our predictions?.....	19
Will the climate of the future be very different?.....	20
Has man already begun to change the global climate?	21
How much will sea level rise?	22
What will be the effect of climate change on ecosystems?	23
What should be done to reduce uncertainties, and how long will this take?	25
Annex.....	27