CLIMATE CHANGE 2014

Mitigation of Climate Change











IPCC reports are the result of extensive work of many scientists from around the world.

1 Summary for Policymakers

1 Technical Summary

16 Chapters

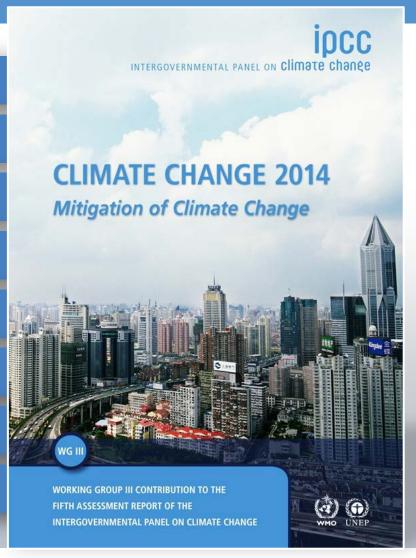
235 Authors

900 Reviewers

More than 2000 pages

Close to 10,000 references

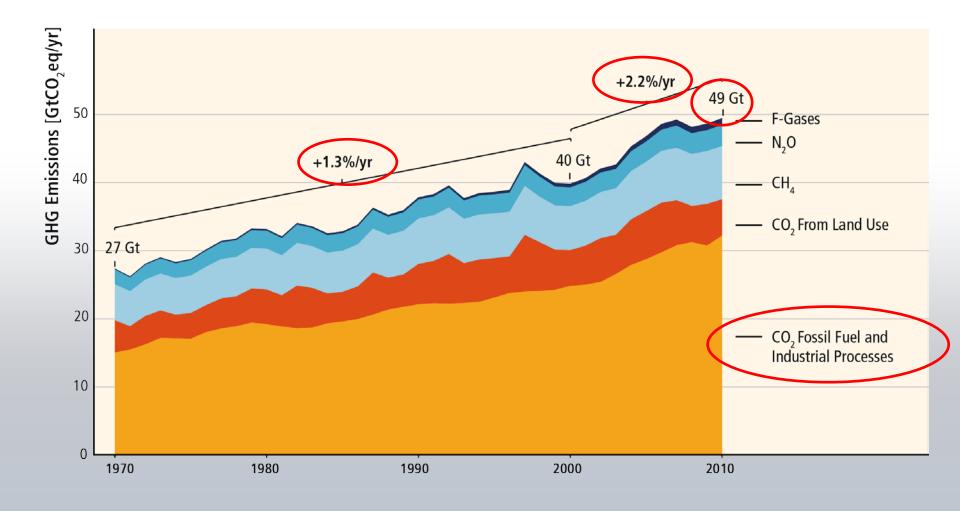
More than 38,000 comments





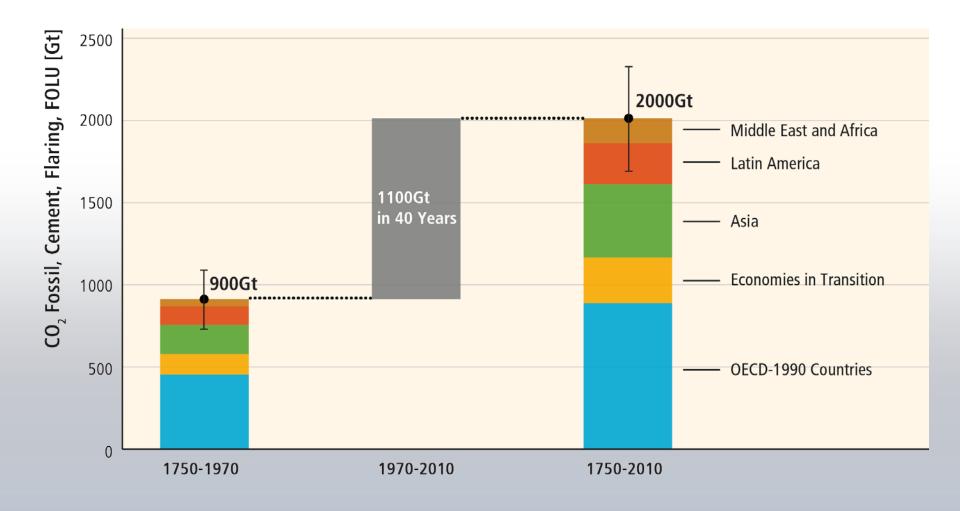


GHG emissions growth between 2000 and 2010 has been larger than in the previous three decades.





About half of cumulative anthropogenic CO₂ emissions between 1750 and 2010 have occurred in the last 40 years.

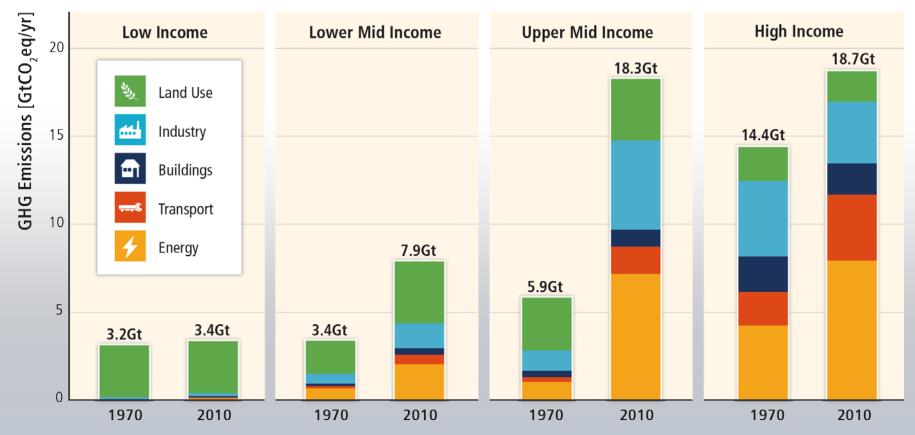






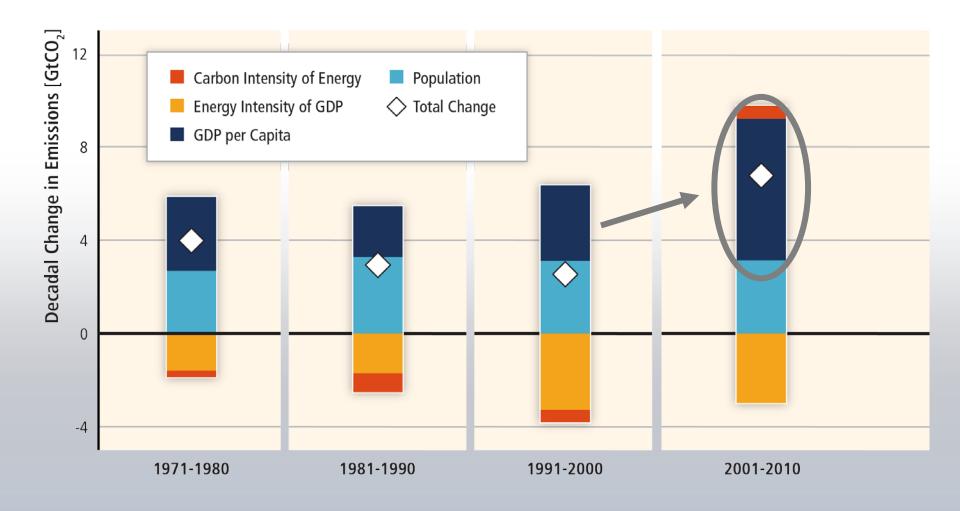
Regional patterns of GHG emissions are shifting along with changes in the world economy.

GHG Emissions by Country Group and Economic Sector



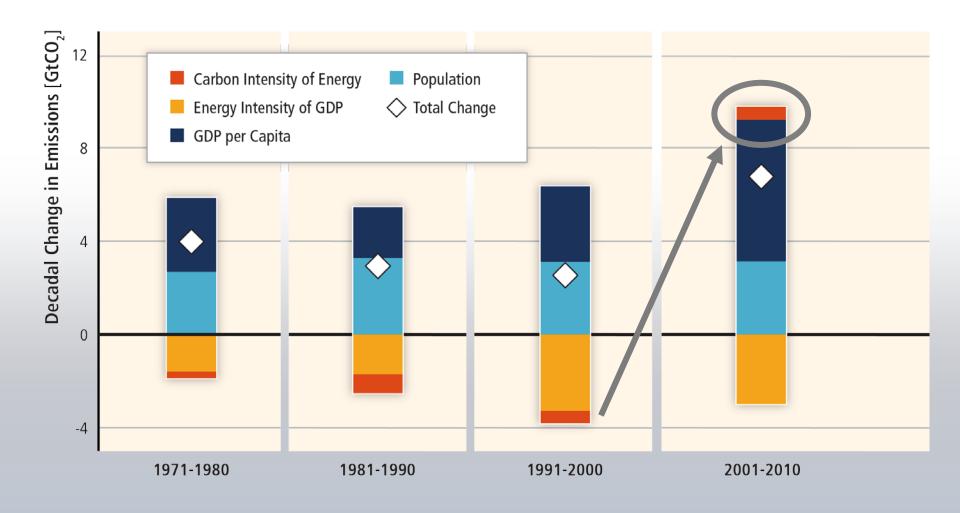


Most of the recent GHG emission growth has been driven by growth in economic activitiy.





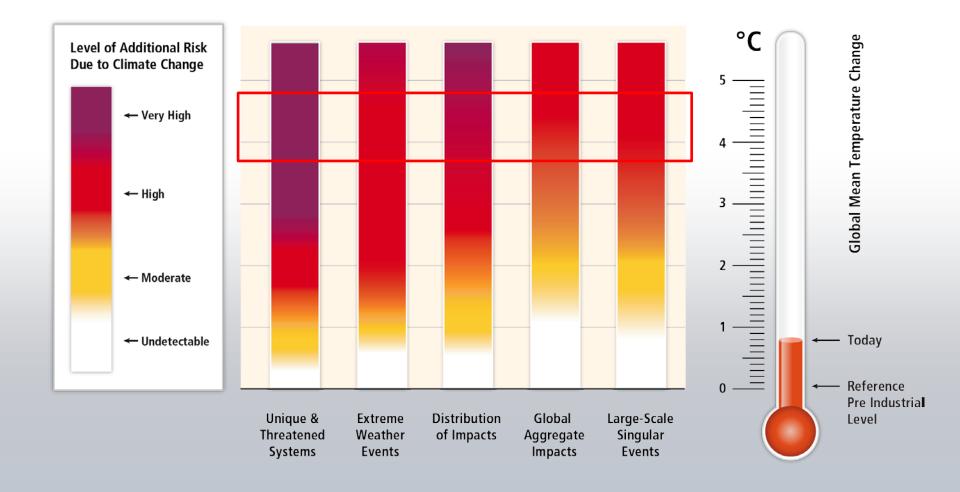
The long-standing trend of gradual decarbonisation of energy has reversed recently.







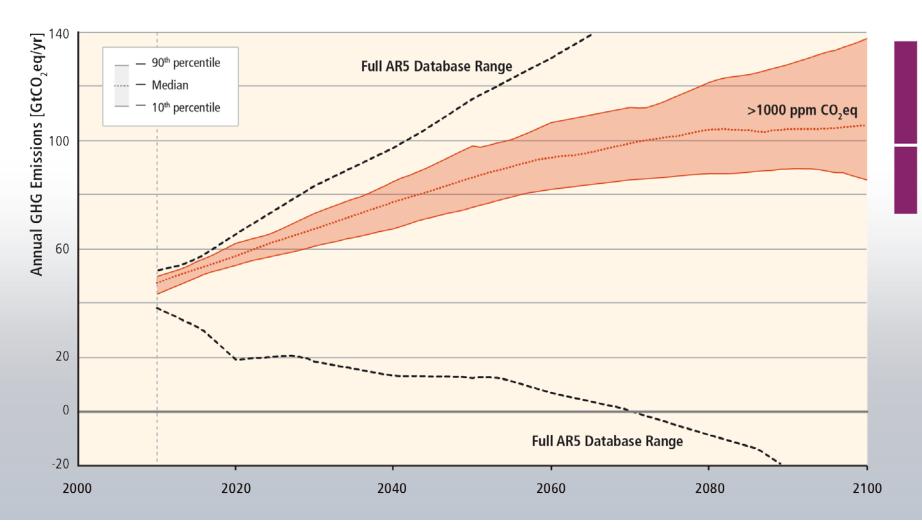
Without additional mitigation, global mean surface temperature is projected to increase by 3.7 to 4.8°C (2.5 - 7.8 °C) over the 21st century.





Baseline

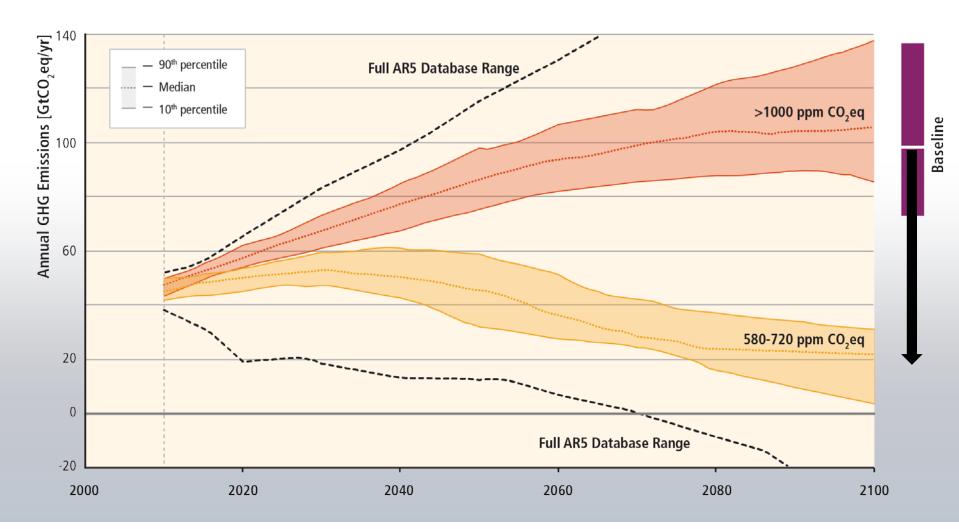
Stabilization of atmospheric concentrations requires moving away from the basline - regardless of the mitigation goal.







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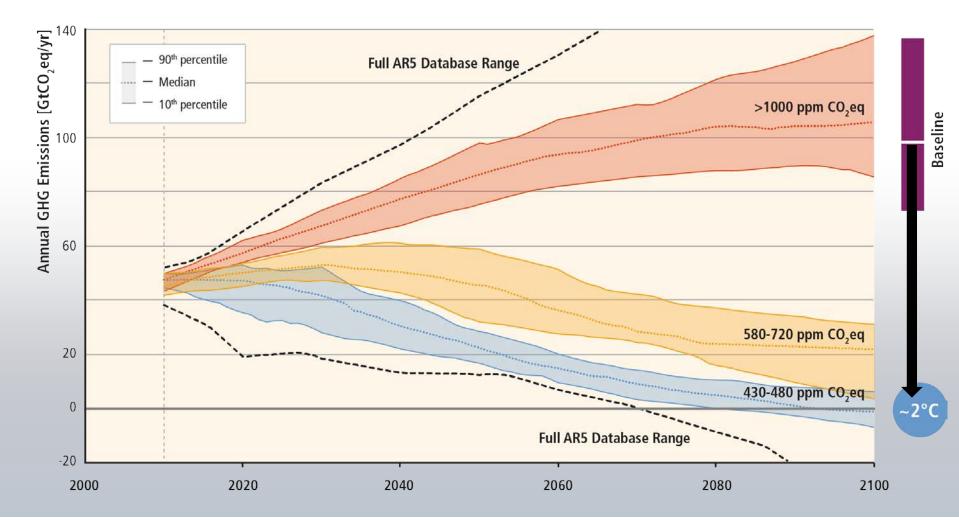




Working Group III contribution to the

IPCC Fifth Assessment Report

Stabilization of atmospheric concentrations requires moving away from the basline - regardless of the mitigation goal.



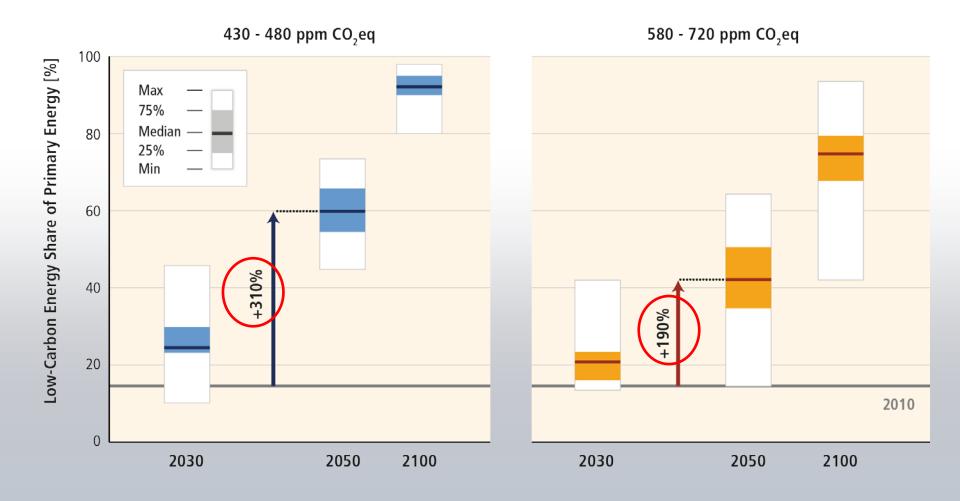




Working Group III contribution to the

IPCC Fifth Assessment Report

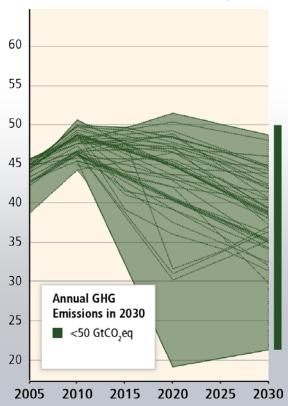
Mitigation involves substantial upscaling of low carbon energy.



Delaying mitigation increases the difficulty and narrows the options for limiting warming to 2°C.

Before 2030

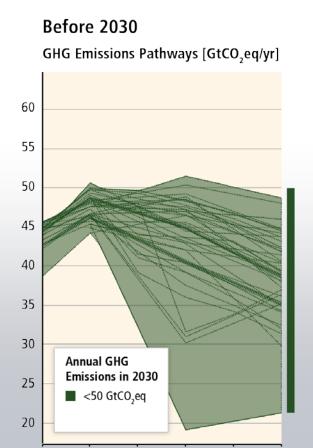


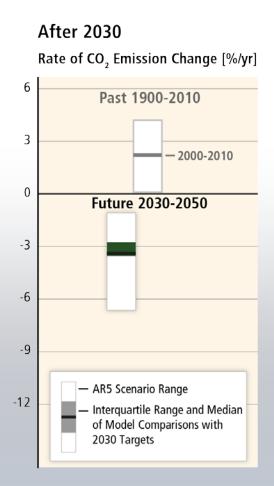


"immediate action"



Delaying mitigation increases the difficulty and narrows the options for limiting warming to 2°C.







2015

2020

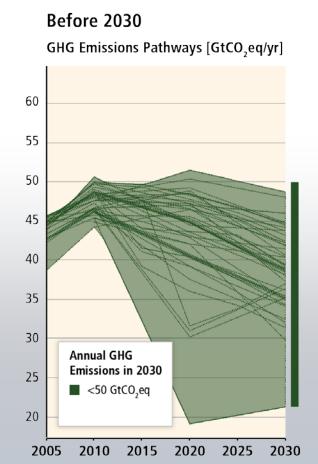
2025

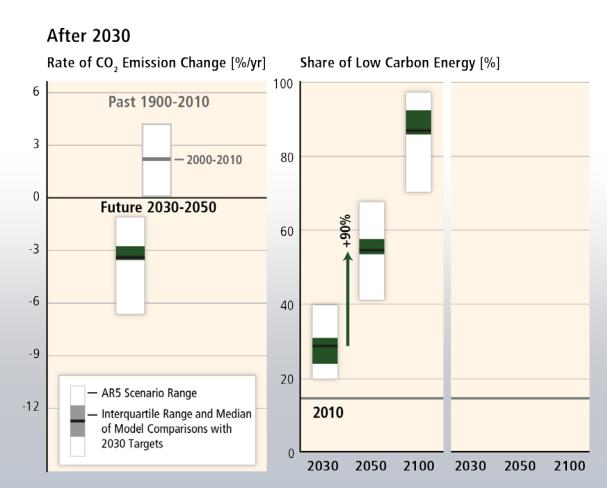
2030

2005

2010

Delaying mitigation increases the difficulty and narrows the options for limiting warming to 2°C.

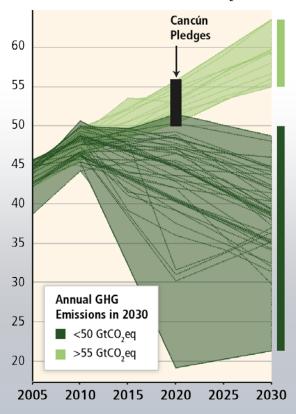






Delaying mitigation is estimated to increase the difficulty and narrow the options for limiting warming to 2°C.

Before 2030
GHG Emissions Pathways [GtCO,eq/yr]

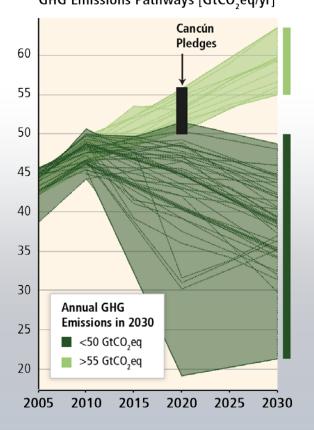


"delayed mitigation"

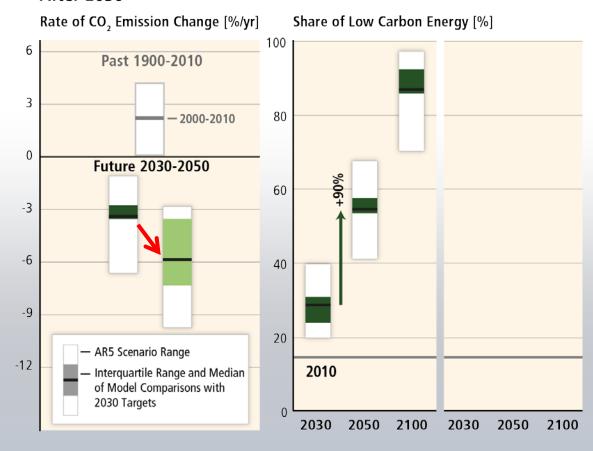
"immediate action"

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Before 2030 GHG Emissions Pathways [GtCO₃eq/yr]

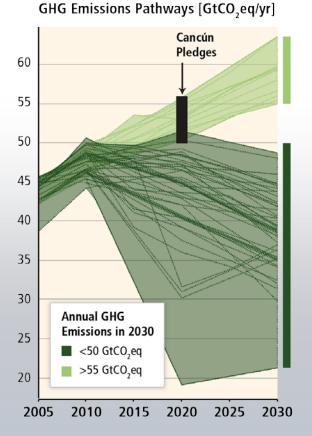


After 2030

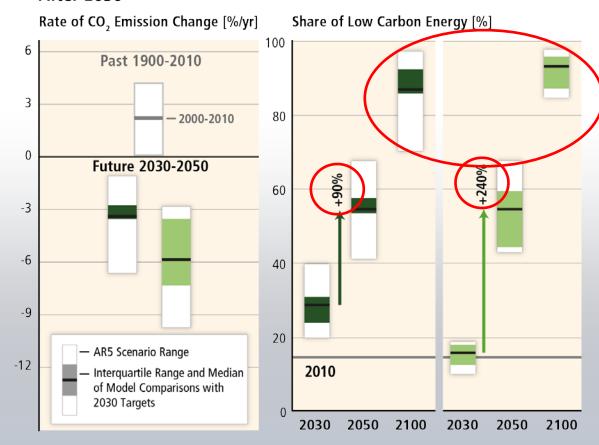


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Before 2030

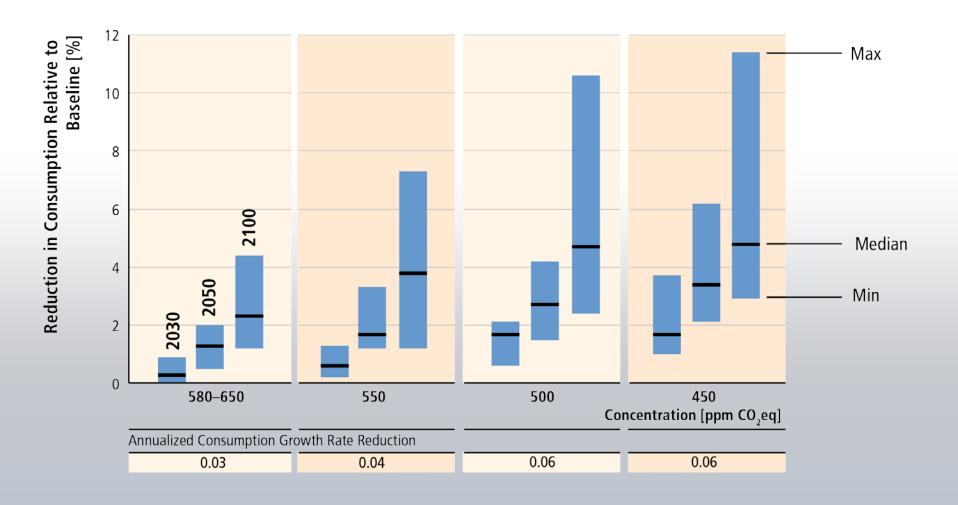


After 2030



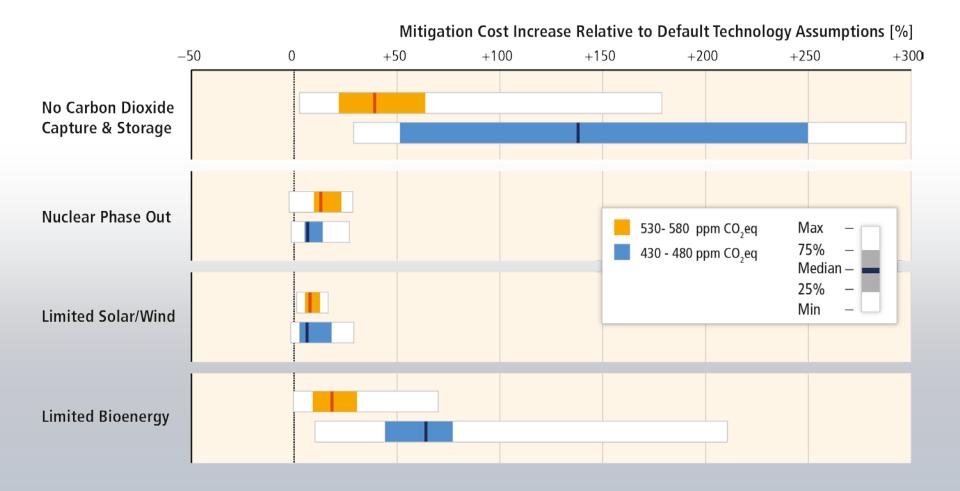


Global costs rise with ambition of mitigation goal



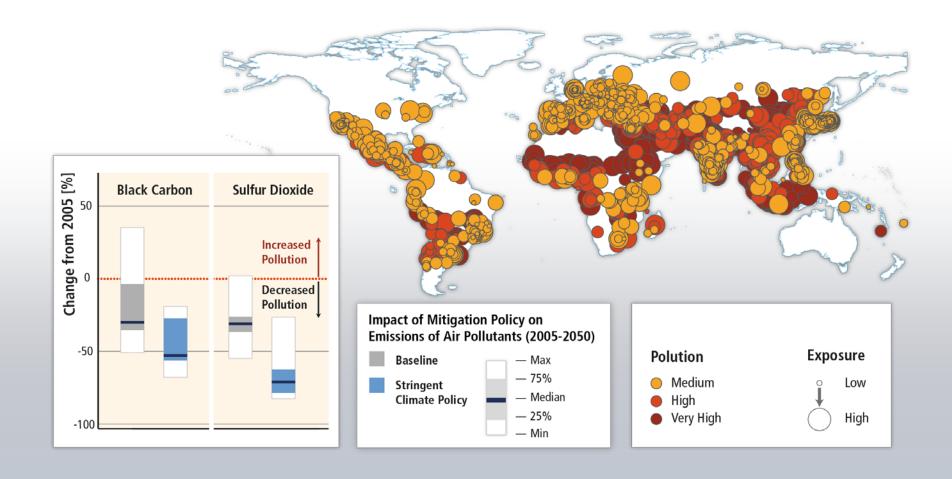


Limited availability of technologies can greatly increase mitigation costs.





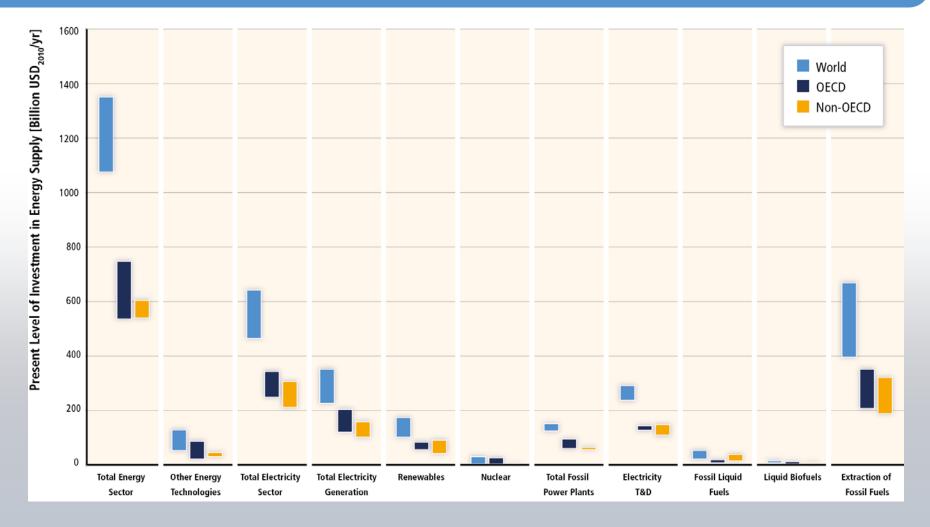
Mitigation can result in large co-benefits for human health and other societal goals.







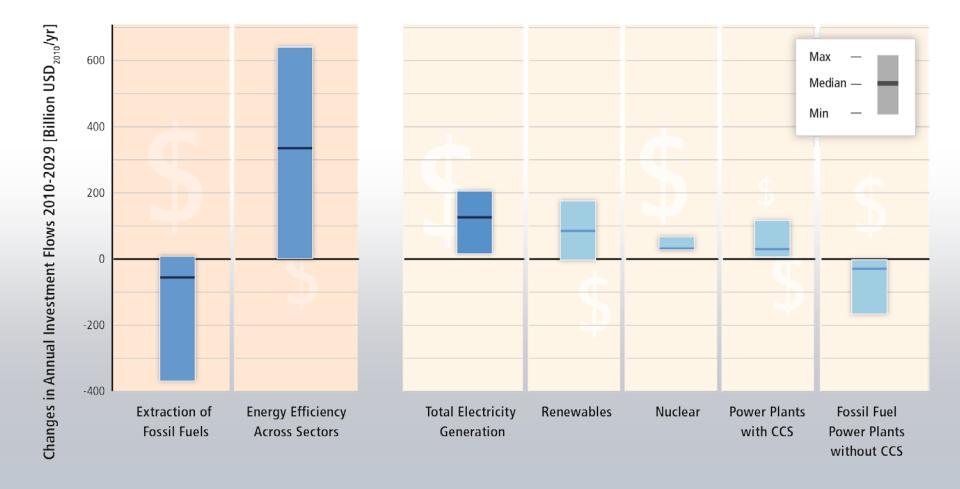
Current investment in the energy system totals about USD 1200 billion per year.







Substantial reductions in emissions would require large changes in investment patterns.



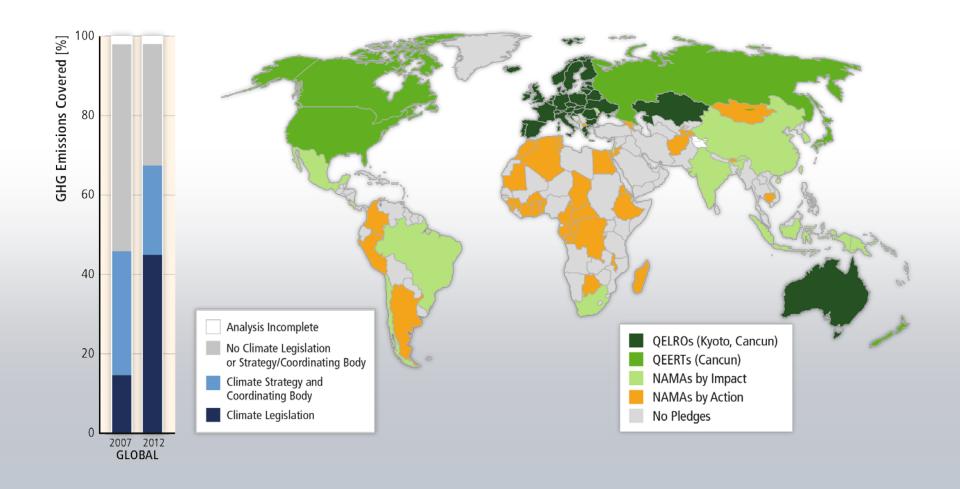


Within an appropriate enabling environment, the private sector can help to mitigate climate change.





A growing number of climate change policies at the national and international level





Since AR4, there has been an increased focus on policies designed to integrate multiple objectives, increase co-benefits and reduce adverse side-effects

Option Specific

Government
Provision of Public
Goods or Services

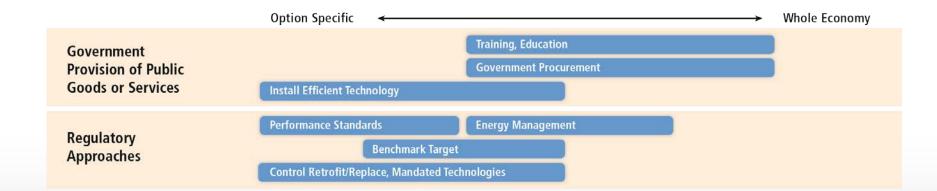
Option Specific

Training, Education
Government Procurement

Government Procurement



Since AR4, there has been an increased focus on policies designed to integrate multiple objectives, increase co-benefits and reduce adverse side-effects

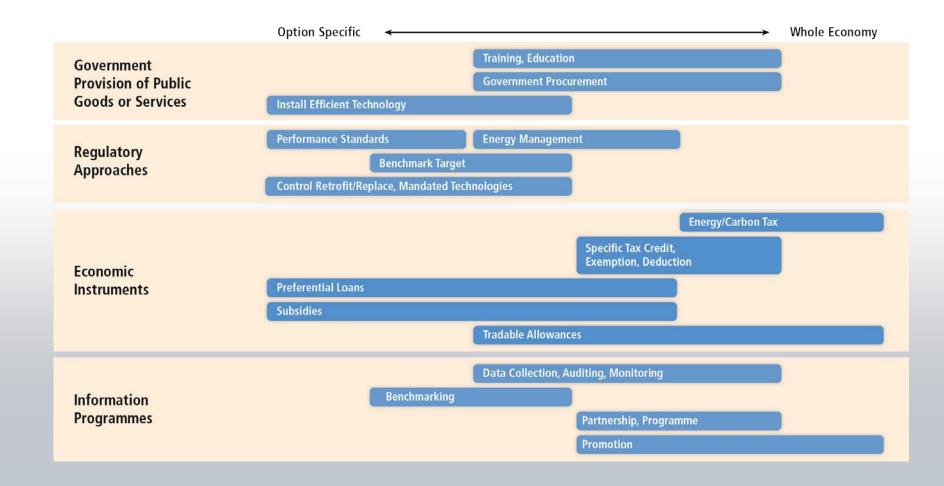




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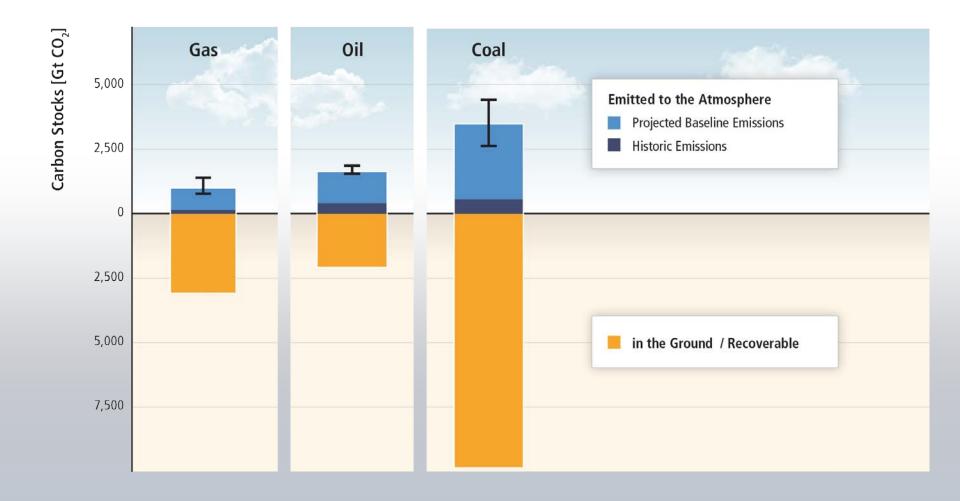


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There is far more carbon in the ground than emitted in any baseline scenario.





INTERGOVERNMENTAL PANEL ON Climate change

CLIMATE CHANGE 2014

Mitigation of Climate Change





Example for a Bullet List

- First level bulletpoint
- First level bulletpoint
 - Second level bulletpoint
 - Second level bulletpoint
 - Third level bulletpoint
 - Third level bulletpoint
 - Fourth level bulletpoint
 - Fourth level bulletpoint
 - » Fifth level bulletpoint
 - » Fifth level bulletpoint





Example for a Text Page

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Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem.

Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi.

