

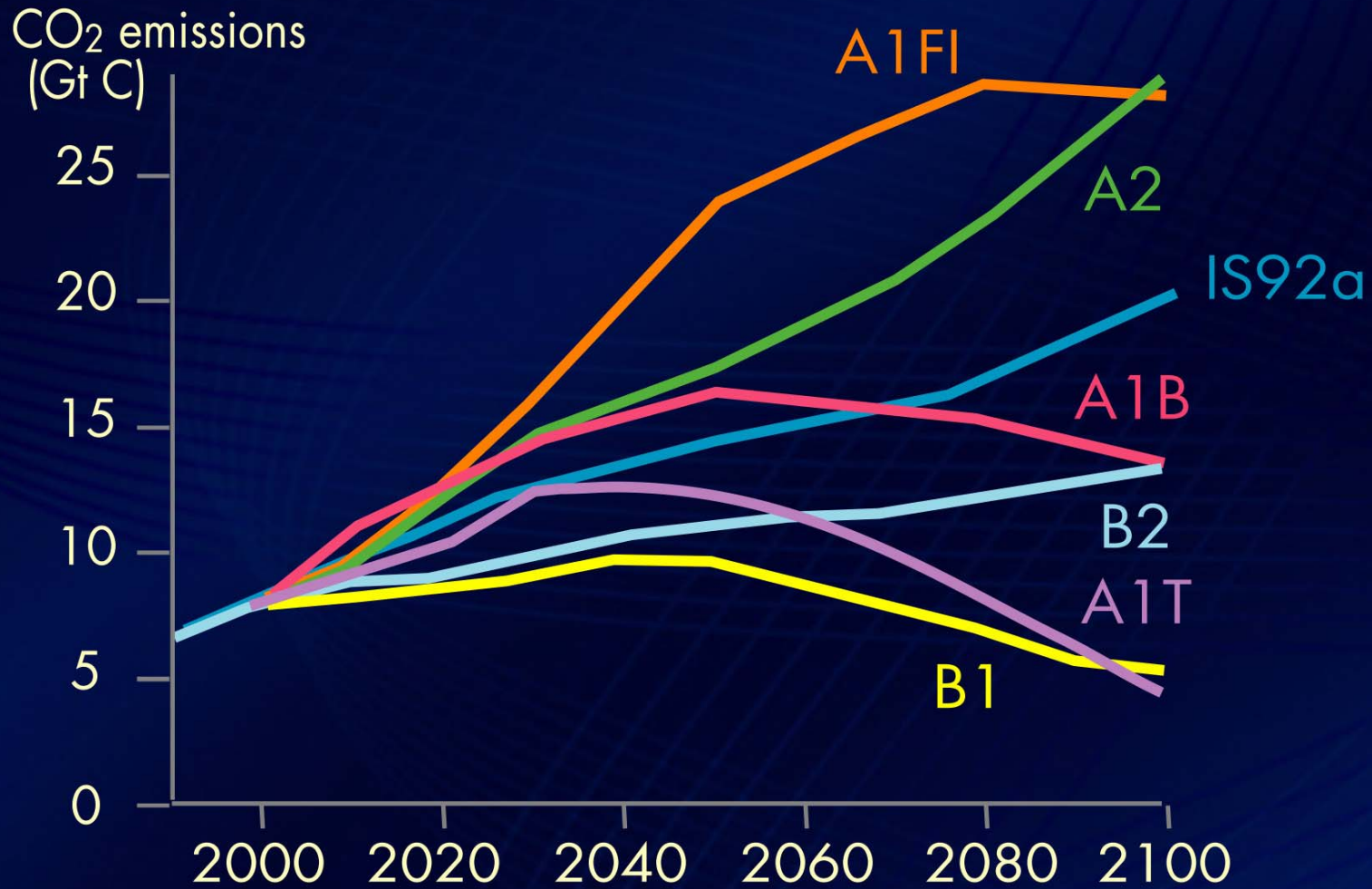
Carbon Sequestration Leadership Forum
Second Ministerial Meeting
Melbourne, 13-15 September 2004

Near Zero Emissions Technologies

Dr Brian Fisher
Executive Director

abare

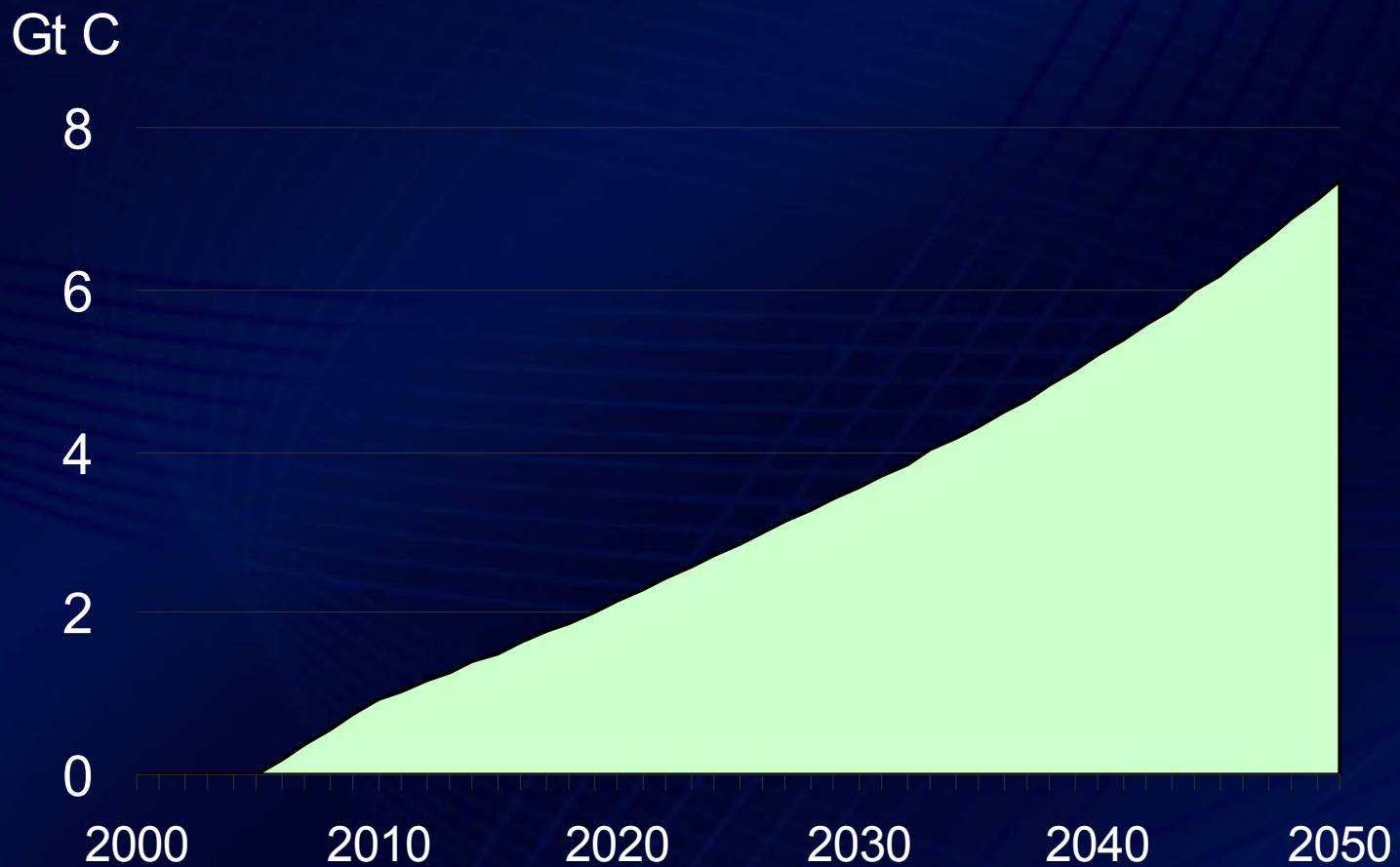
SRES scenario range



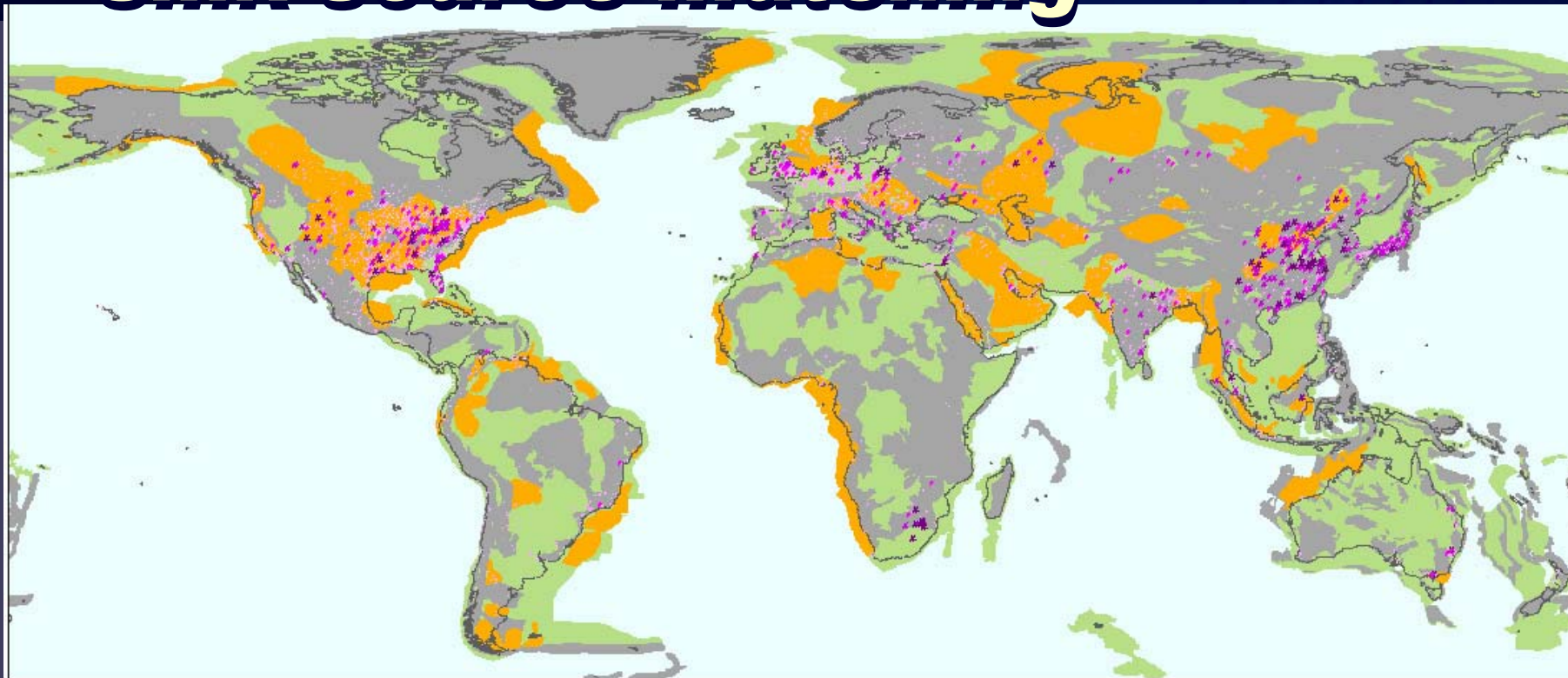
SRES storylines

A1FI	Rapid economic growth with significant regional convergence of per capita incomes; low population growth; rapid technological innovation with continued reliance on fossil fuels; low levels of land use change
A2	Moderate economic growth featuring less convergence between developed and developing regions; high population growth; slow technological change; moderate land use change
B1	High economic growth and low population growth; change in economic structure toward service economies; introduction of clean, resource efficient technologies

Abatement task



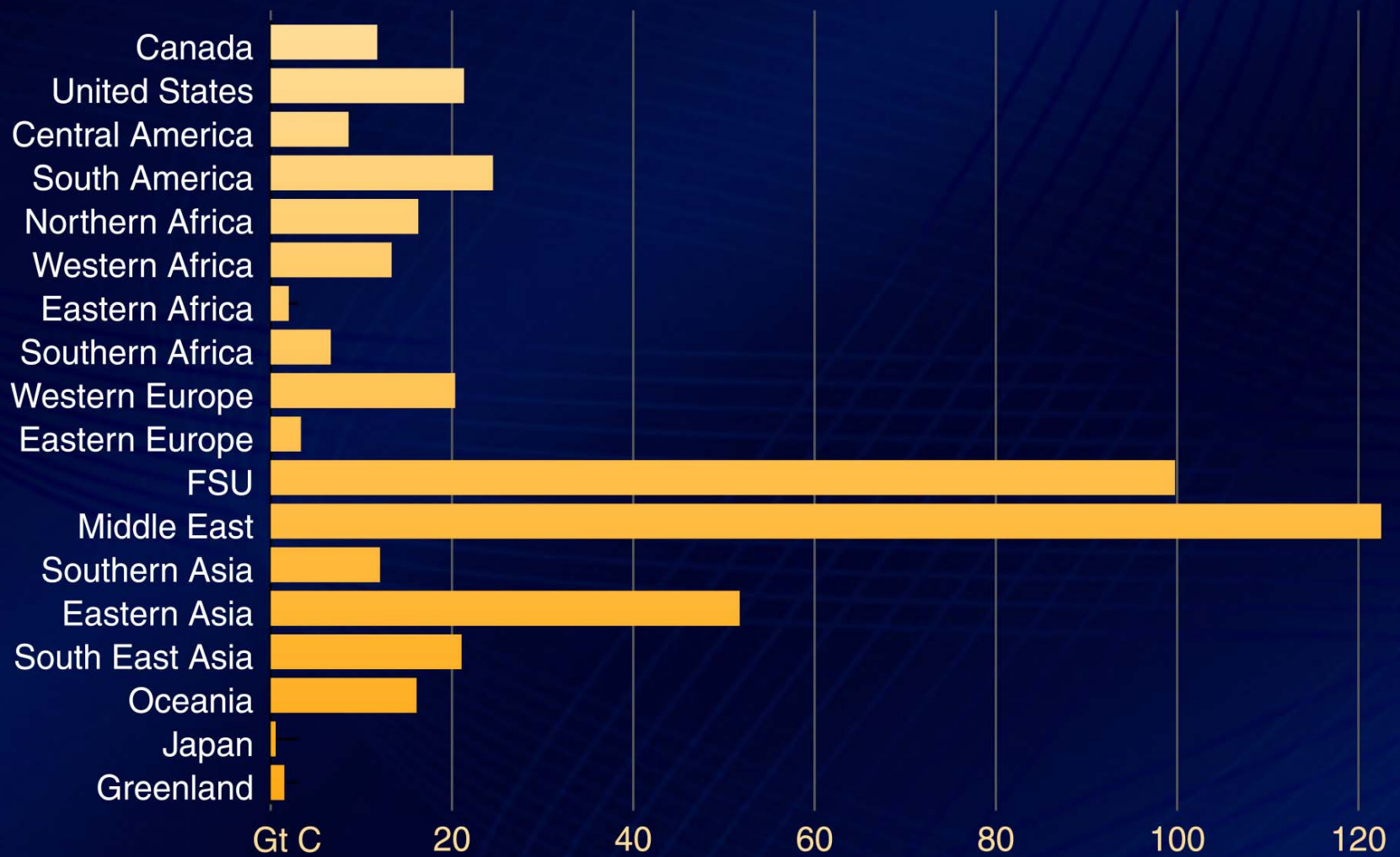
Sink-source matching



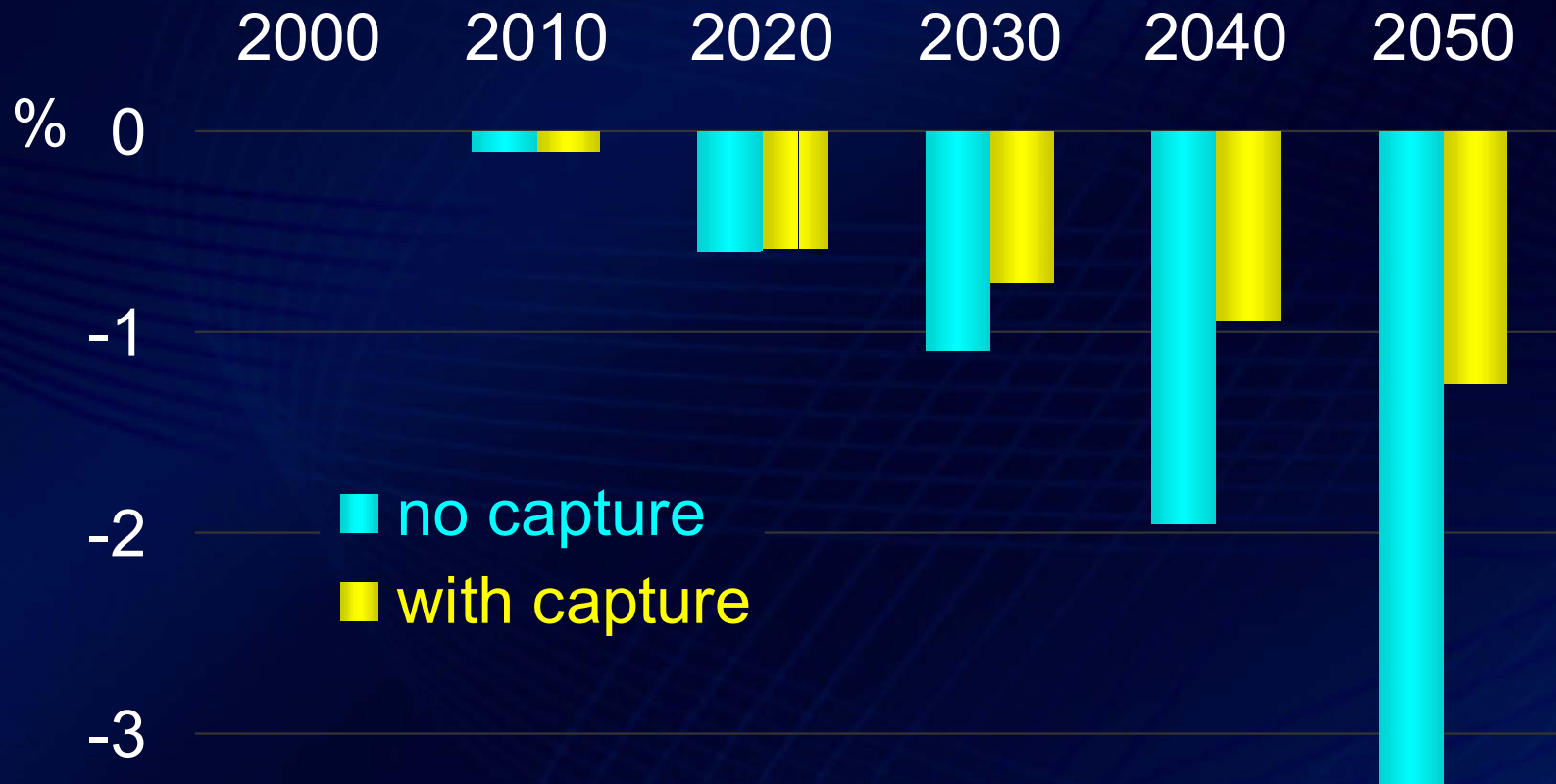
- Highly prospective areas
- Prospective areas
- Non prospective areas

Emission locations	kt CO ₂ / year
	1 - 1000
	1000 - 5000
	5000 - 10000
	10000 - 15000
	15000 - 50000

Global carbon storage potential



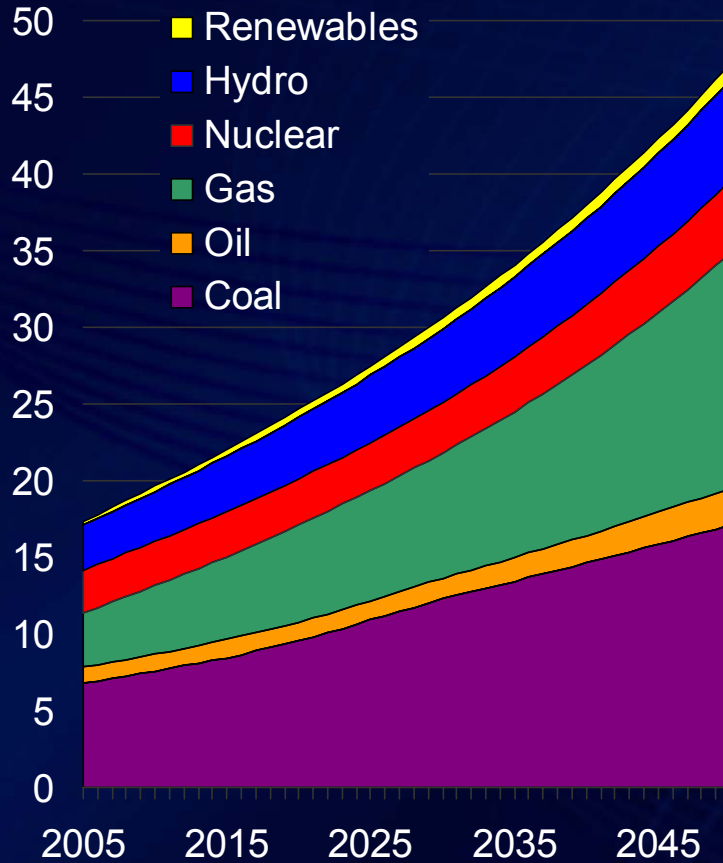
Loss in world GDP compared with the reference case



World electricity fuel mix

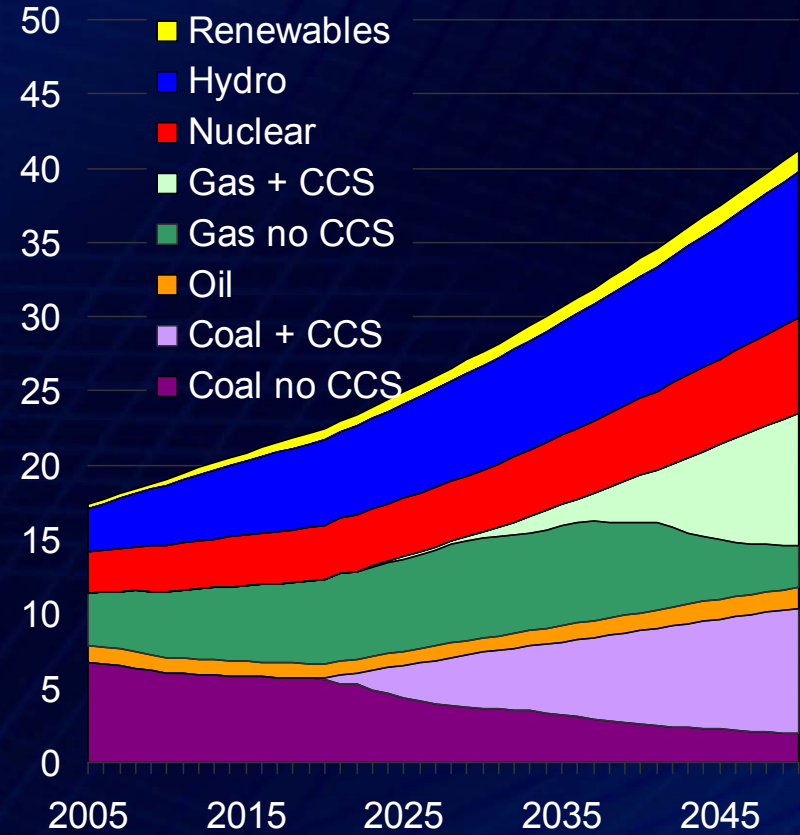
Reference case

'000 TWh

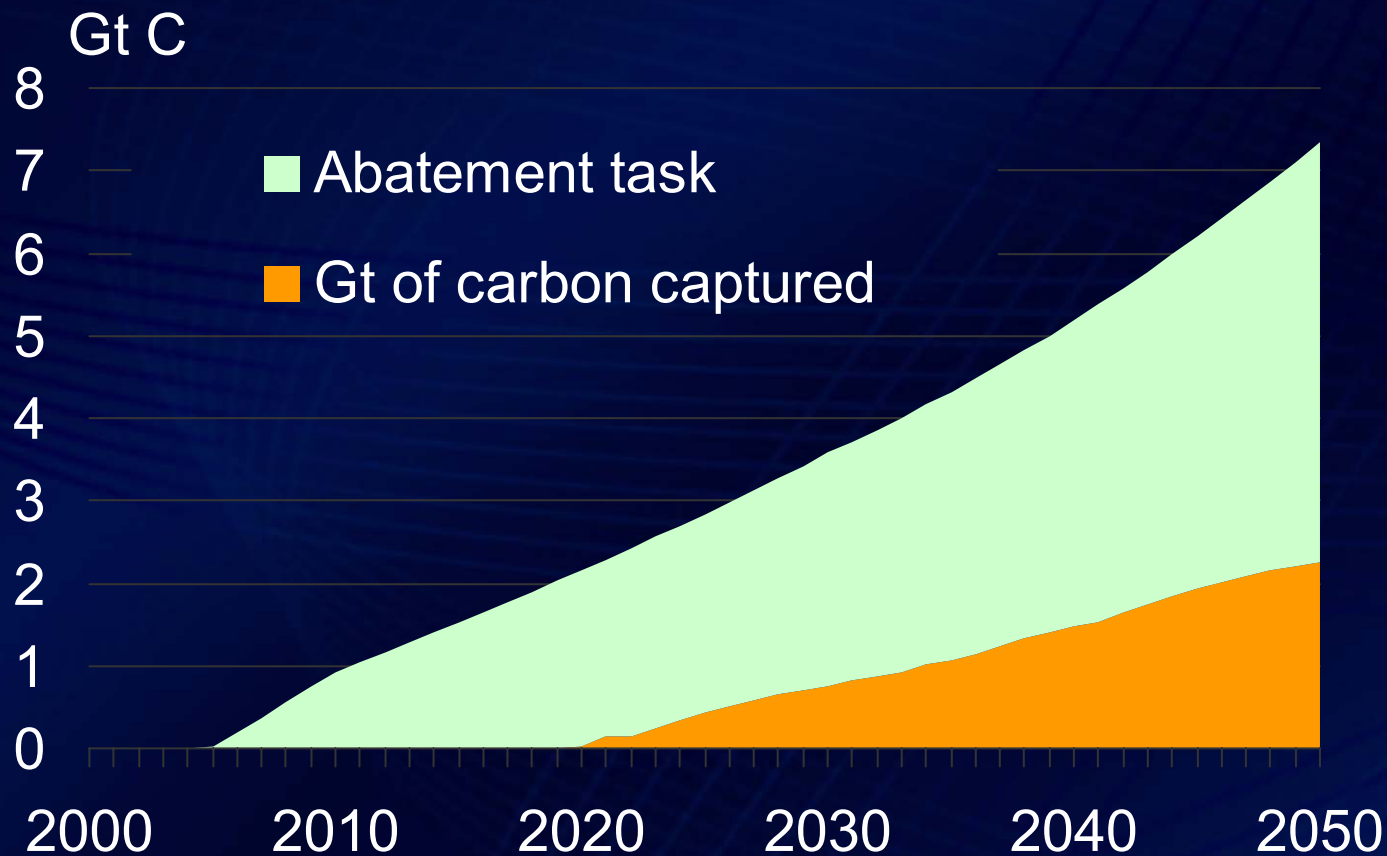


Carbon tax, with capture

'000 TWh

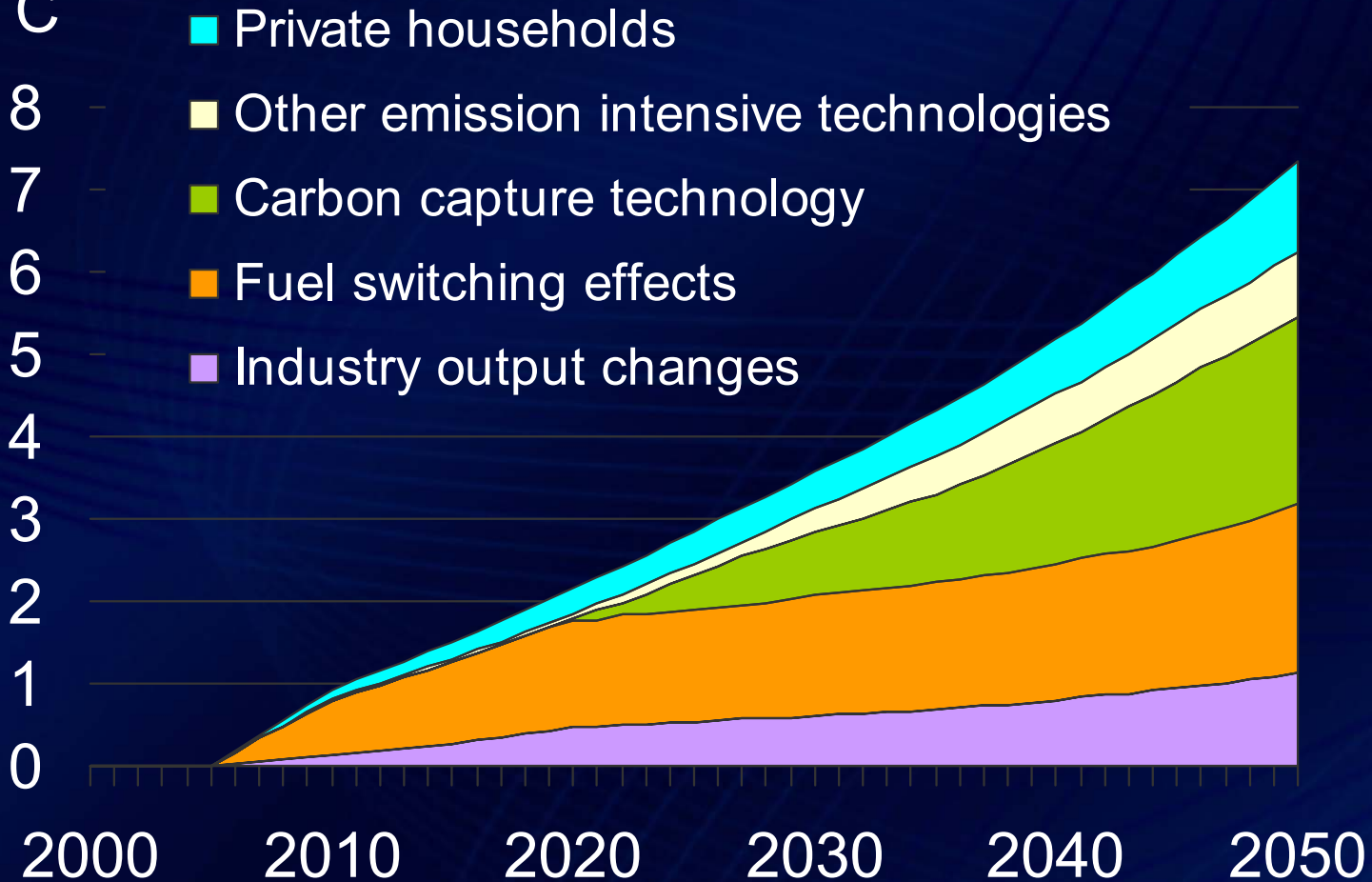


Abatement achieved using CCS



Sources of abatement by sector

Gt C



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