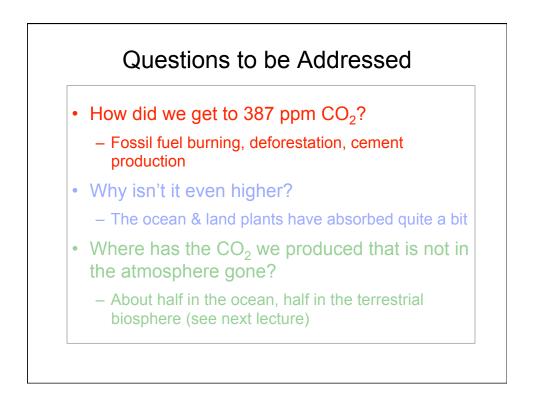
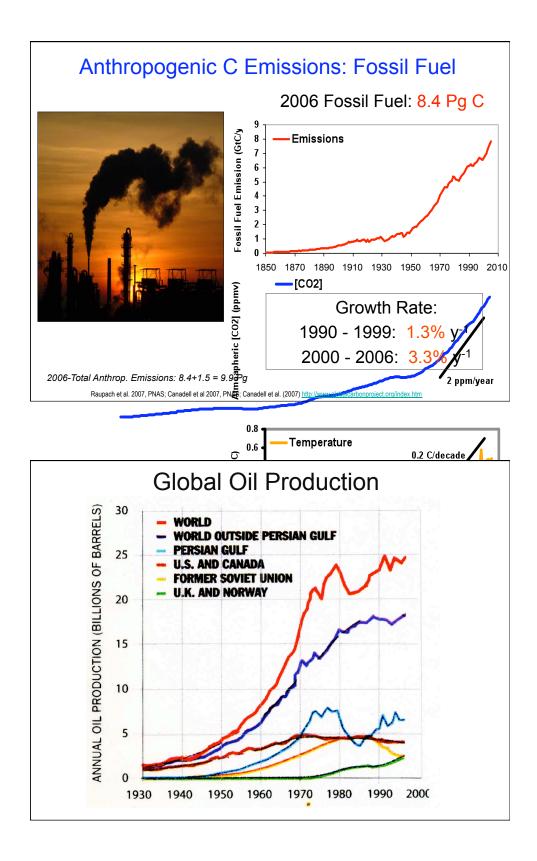
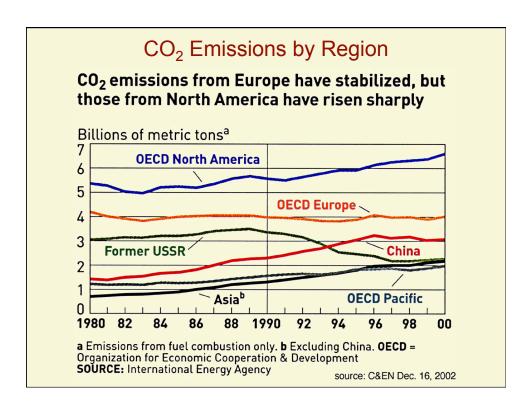
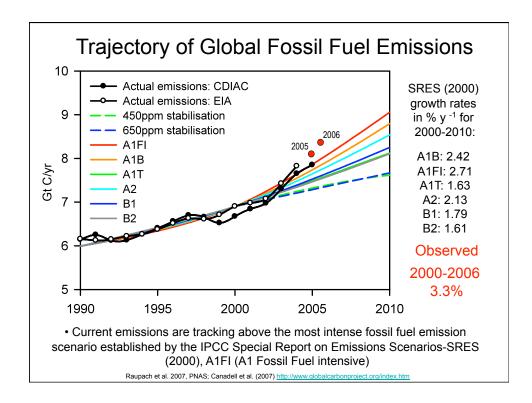


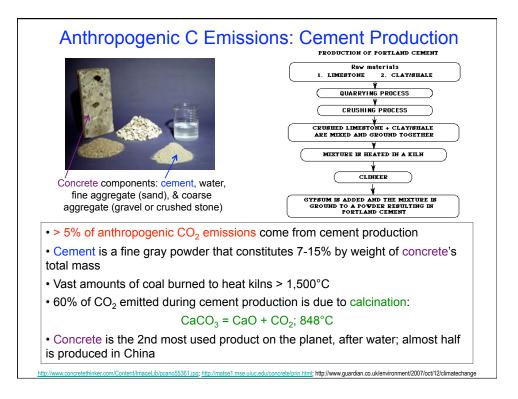
Reservoirs (Pg):		
Atmosphere: CO2 (288 ppm in 1850)	612	Clobal
(369 ppm in 2000)	784	Global
Oceans: Biota	1-2	Carbara
DOC	700	Carbon
Org C in sediments (1 meter)	1,000	
DIC	38,000	Fluxes &
Terrestrial: Biota	600	T TUNCS &
Soil Humus (1 meter)	1,500	Decervoire
Fossil Fuels (identified reserves), gas	44	Reservoirs
oil	90	
coal, oil sand & shale	3440	– Details
Fluxes (Pg yr <sup>-1</sup> ):		Detaile
Atmosphere-Ocean exchange	90	
Gross Primary Production Ocean	100	
Land	120	
Net Primary Production Ocean	45	
Land	60	
Net C export from the surface ocean	8-15 0.2	
Sedimentation of Org. C. in the ocean	0.2	
Anthropogenic Changes (Pg or Pg yr <sup>-1</sup> ):		
Cumulative Changes (Pg): (1800-1994)		
Fossil Fuels Burnt & Cement Prod.	244	
Atmospheric Increase	165	
Storage in the Ocean Inferred Terrestrial Change	118	
interred refrestrat Change	-39	
Partitioning of Anthropogenic Fluxes (1990s) (Pg yr <sup>-1</sup> )		
Fossil Fuel and Cement Production	$6.3 \pm 0.4$	Pq, petagram = $10^{15}$ g = Gt, gigator
Atmosphere Accumulation Uptake by Terrestrial Biosphere	$3.2 \pm 0.1$ -1 4±0 7	3, p 3 · · · · · · · · · · · · · · · ·
Ocean Uptake	-1.4±0.7 -1.7±0.5	

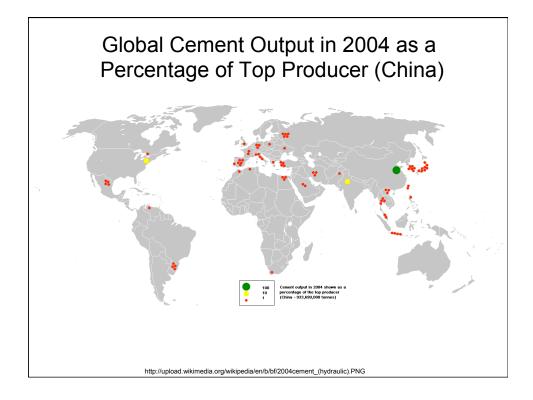


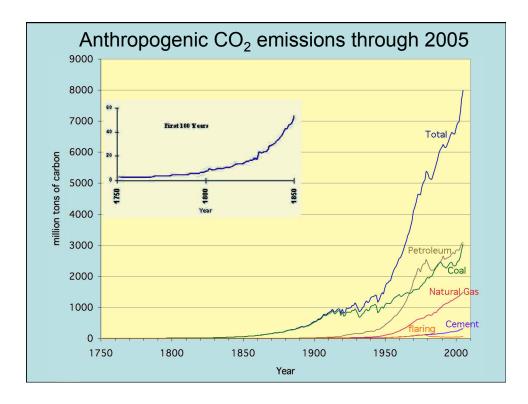


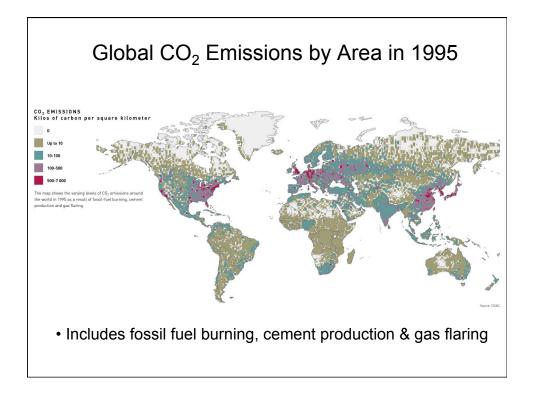


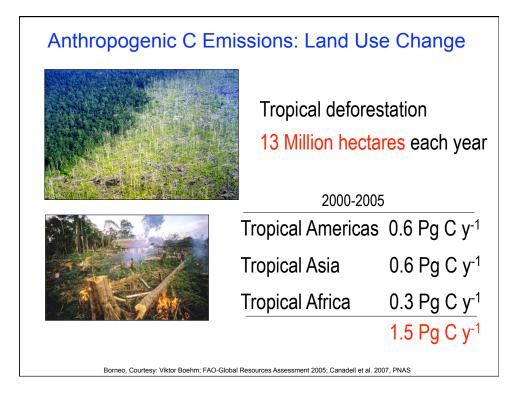


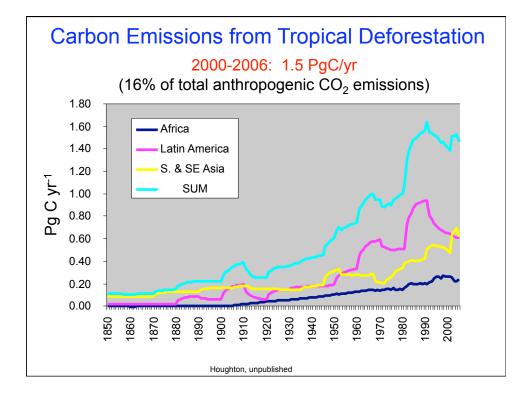


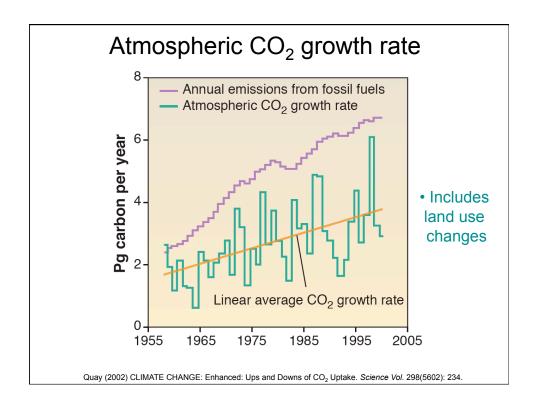


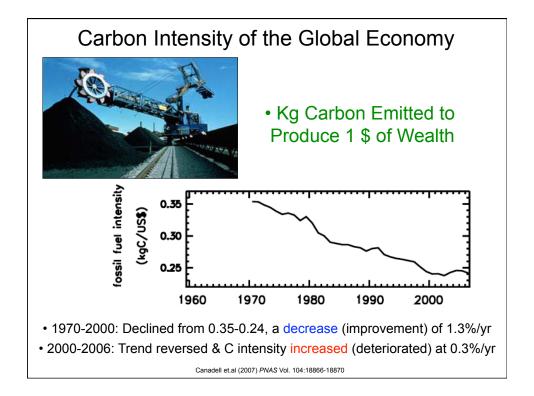


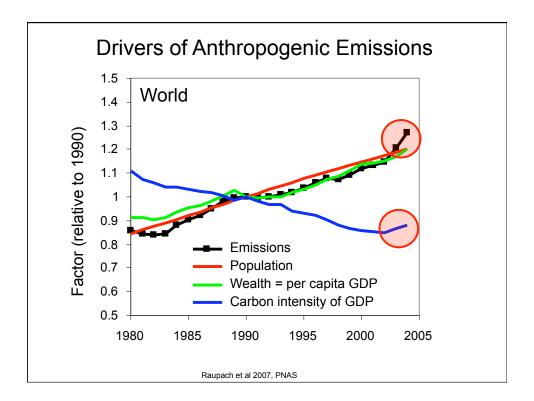


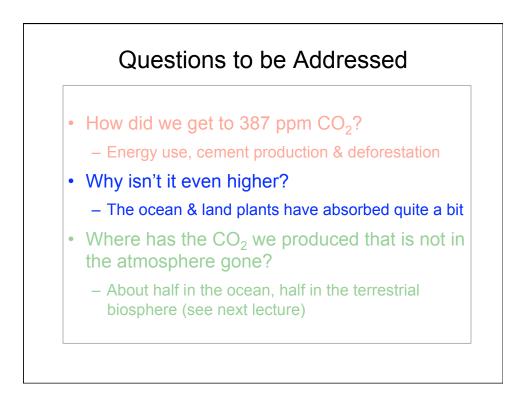


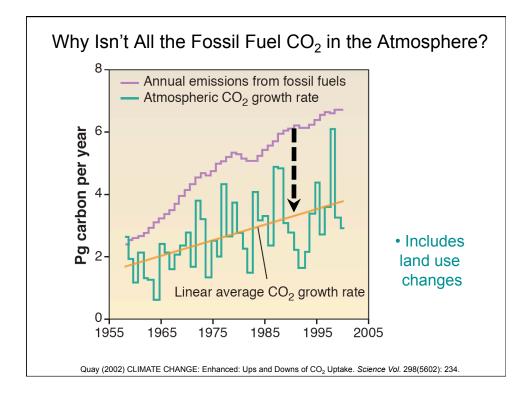


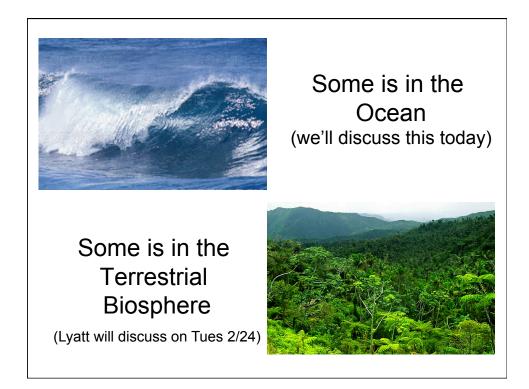


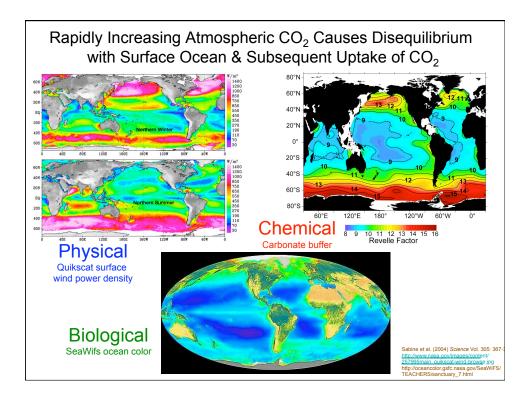


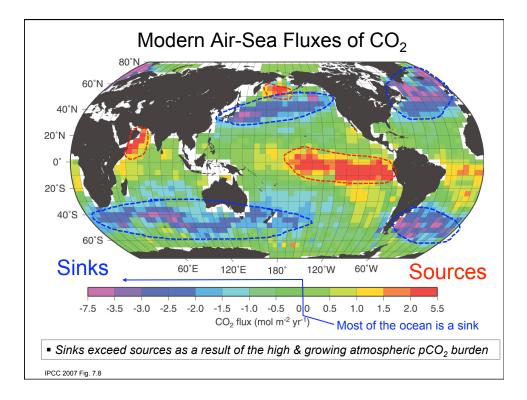


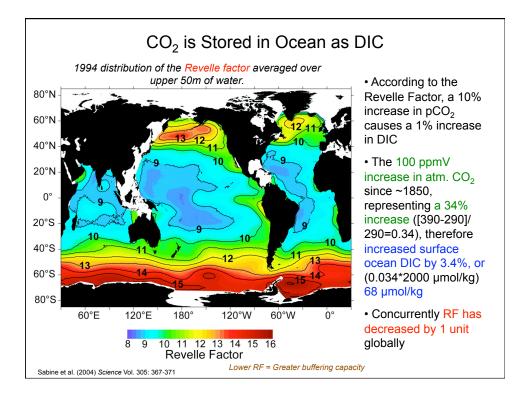


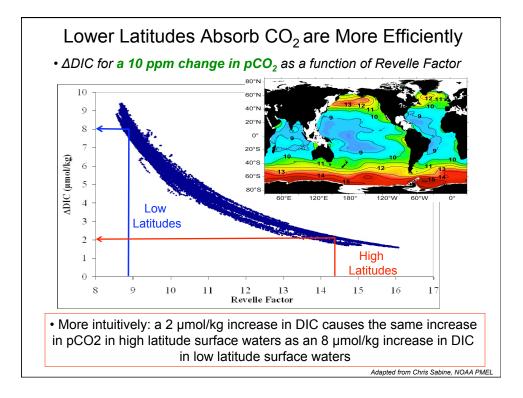


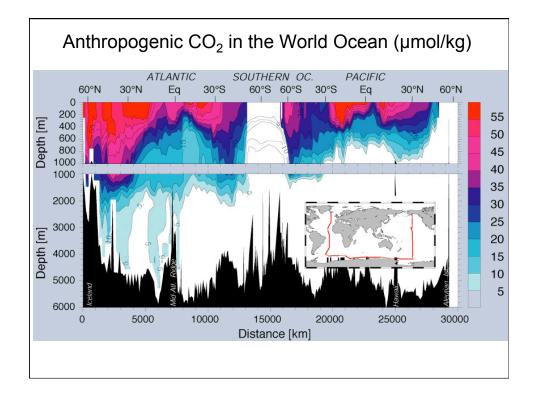


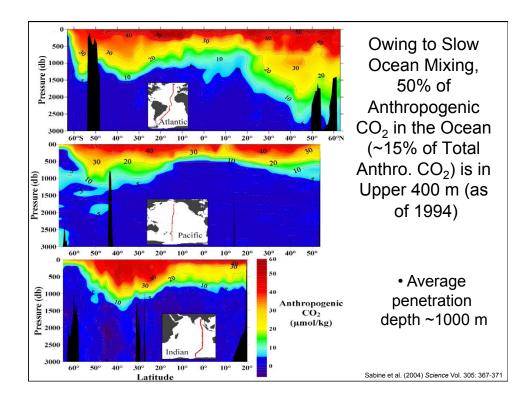


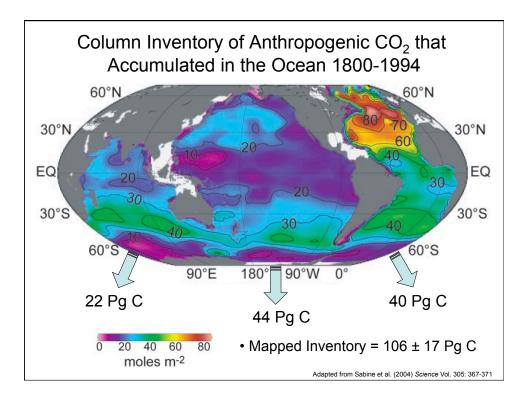


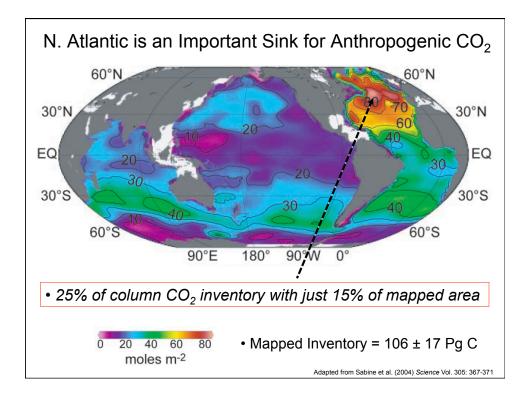


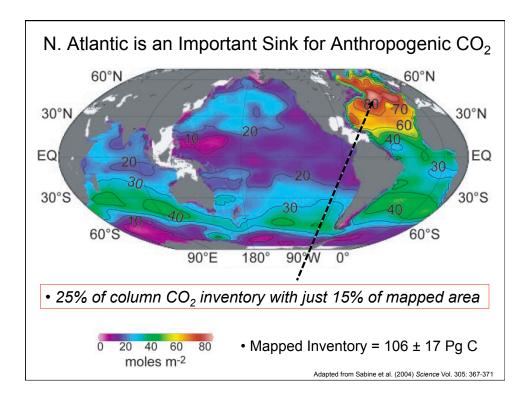


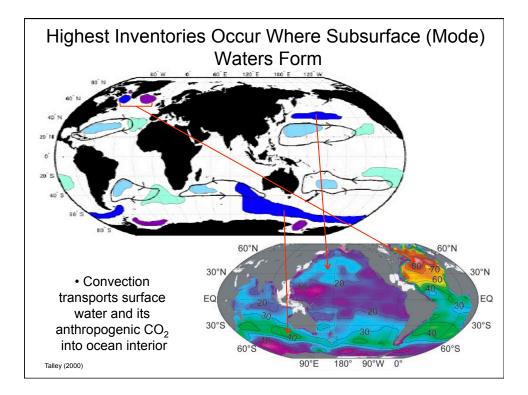


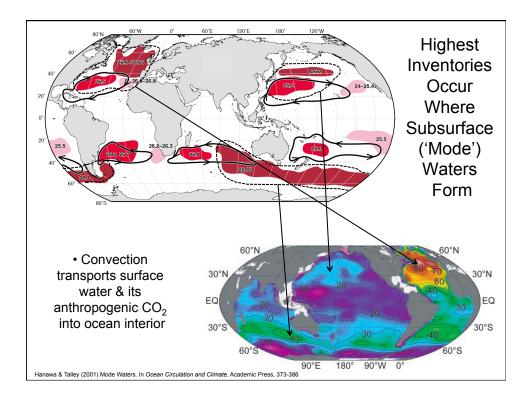


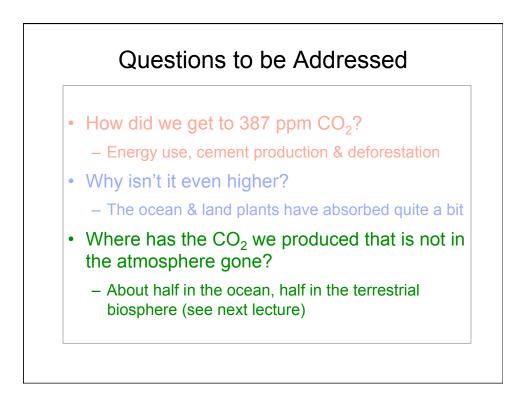


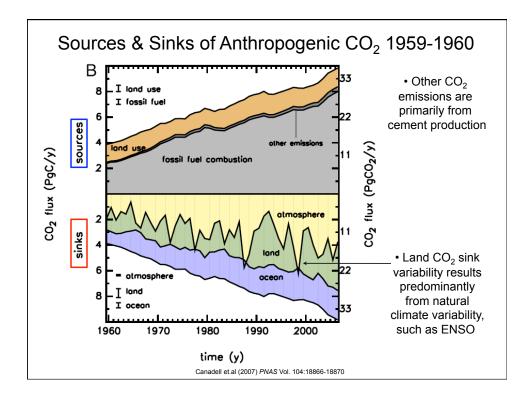


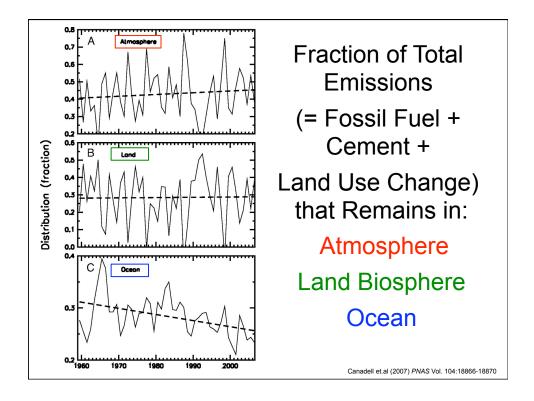












1959–2006
-1.18†
2.12
0.21
1.71
1.89
1.25
1.87
0.25 ± 0.21
-0.42
0.06
)

