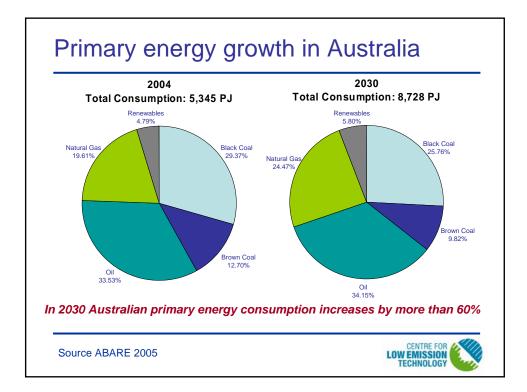
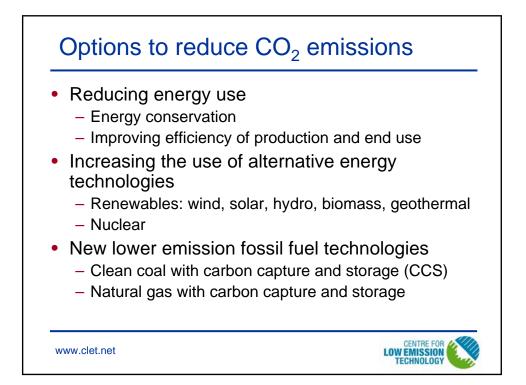


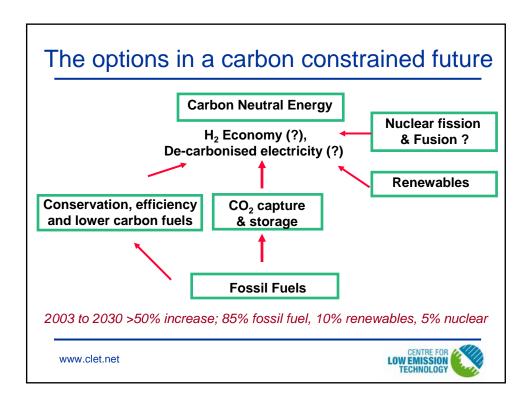
The carbon - lock in

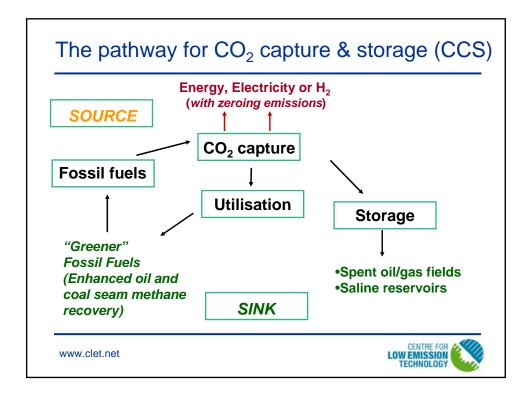
New and replacement fossil fuel power generation capacity (GWe)

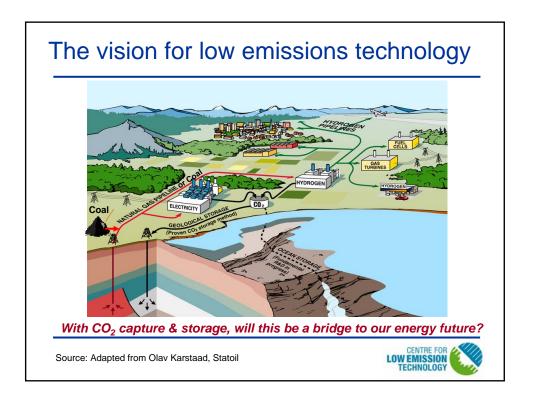
	2010	2020	2030
World	520	967	1205
OECD	160	309	363
Developing Countries	343	587	750
Transition Economies	16	72	90
European Union (25)	39	105	132
North America	83	141	171
China	162	210	260
India	24	66	97
Russia	5	27	34
A rapid anticipated the bulk of the inc		generation to 2030, n developing count	
Source IEA Clean Coal Centre			

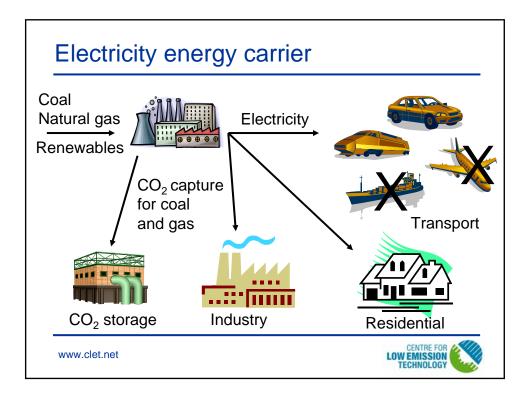


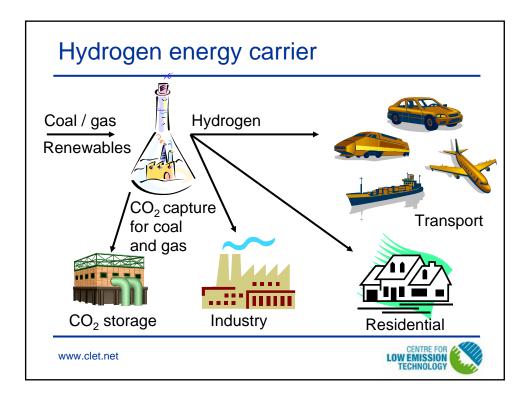


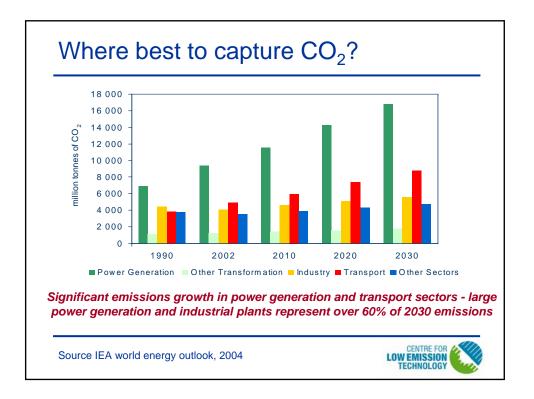


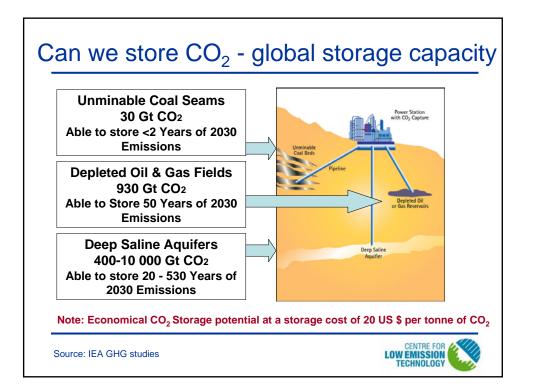


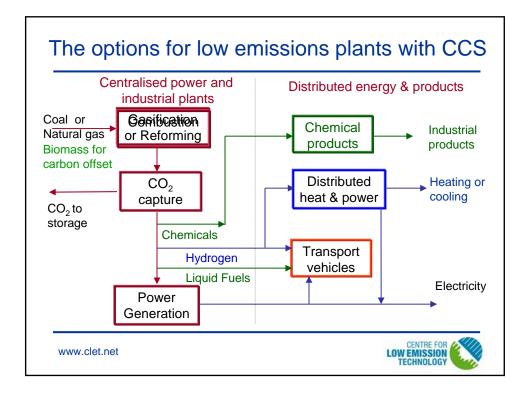


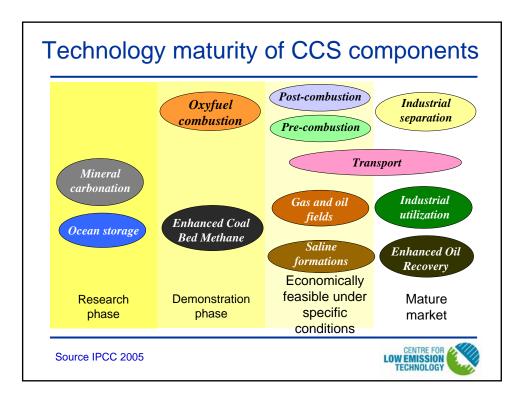


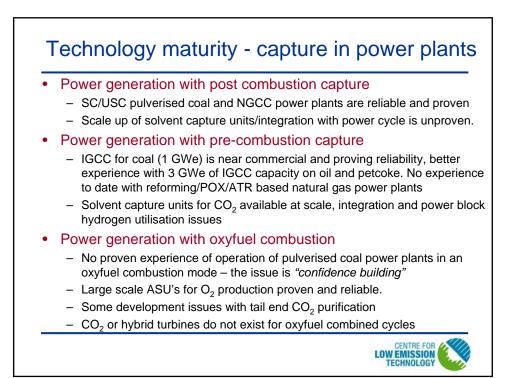






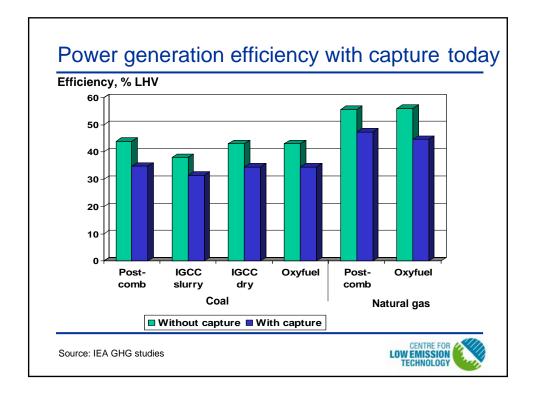


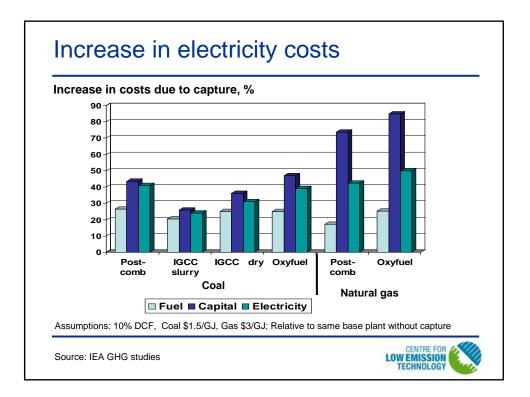


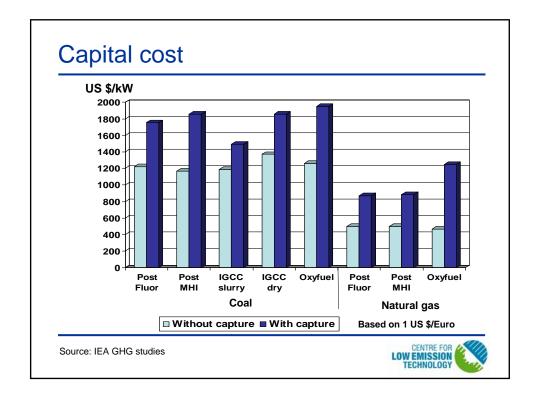


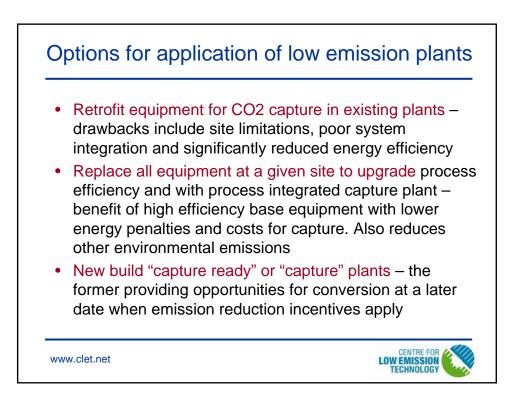
	Natural gas CC	Pulverised coal	IGCC	Hydrogen Plant
% increase in cost of electricity or hydrogen with capture and geosequestration	38-54	46-90	34-49	17-44
Cost of CO ₂ avoided with geosequestration, US\$/t	38-91	30-71	14-53	3-75
% increase in cost of electricity or hydrogen with capture and EOR	19-40	14-56	0-23	0-29
Cost of CO ₂ avoided with EOR US\$/t	19-68	9-44	(-7)-31	(-14)-49

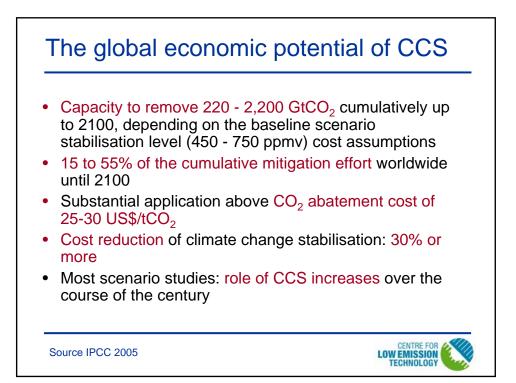


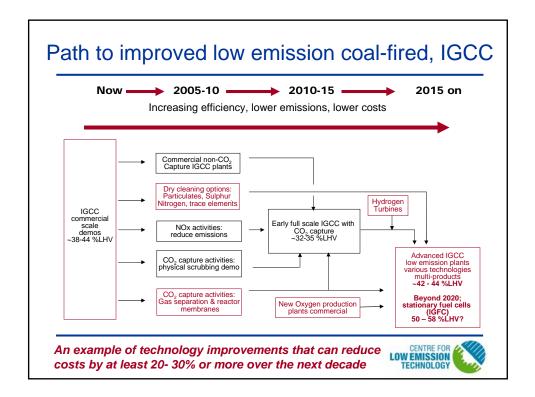


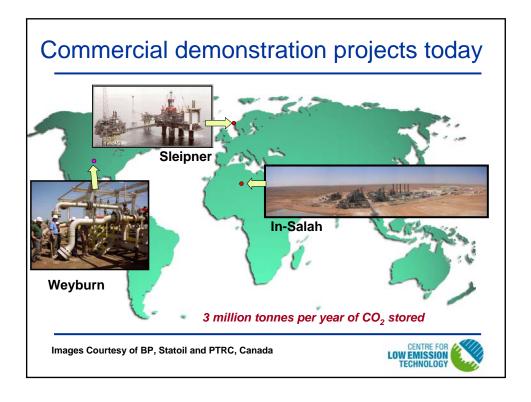


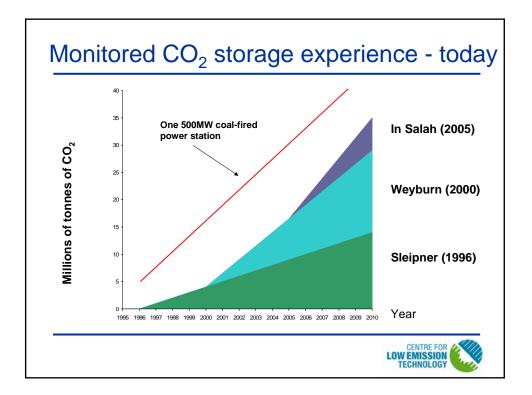


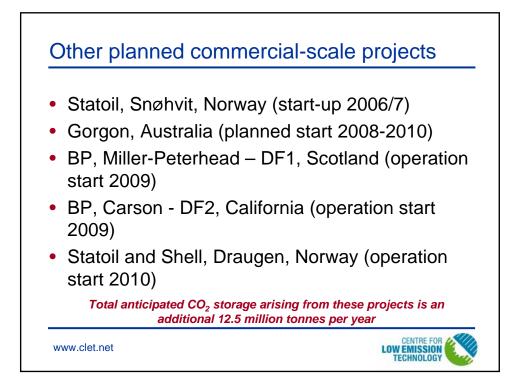


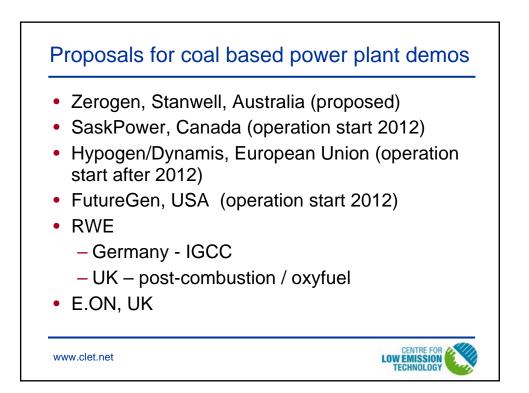


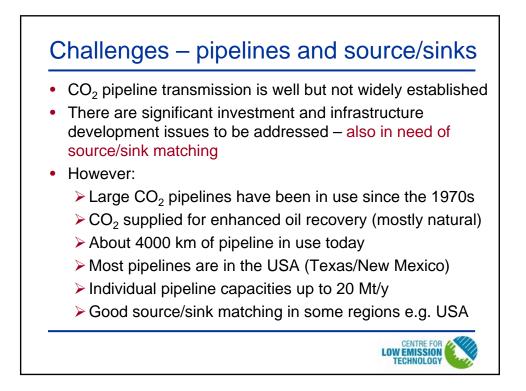


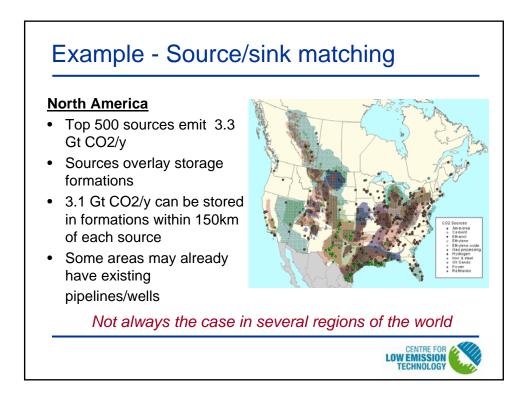














- Rules and standards
 - Current regulatory practises relevant to CCS
 - Experience in related industries
 - Natural gas storage/ Acid Gas injection/ EOR
 - Other underground injection control programs

CENTRE FOR LOW EMISSION TECHNOLOGY

- Permitting/Licensing issues
- Long term liability
- Environmental Impact Assessment
- Monitoring requirements
- Remediation practices

