

Carbon Capture and Storage A Way Forward for Cleaner Fossil Fuels

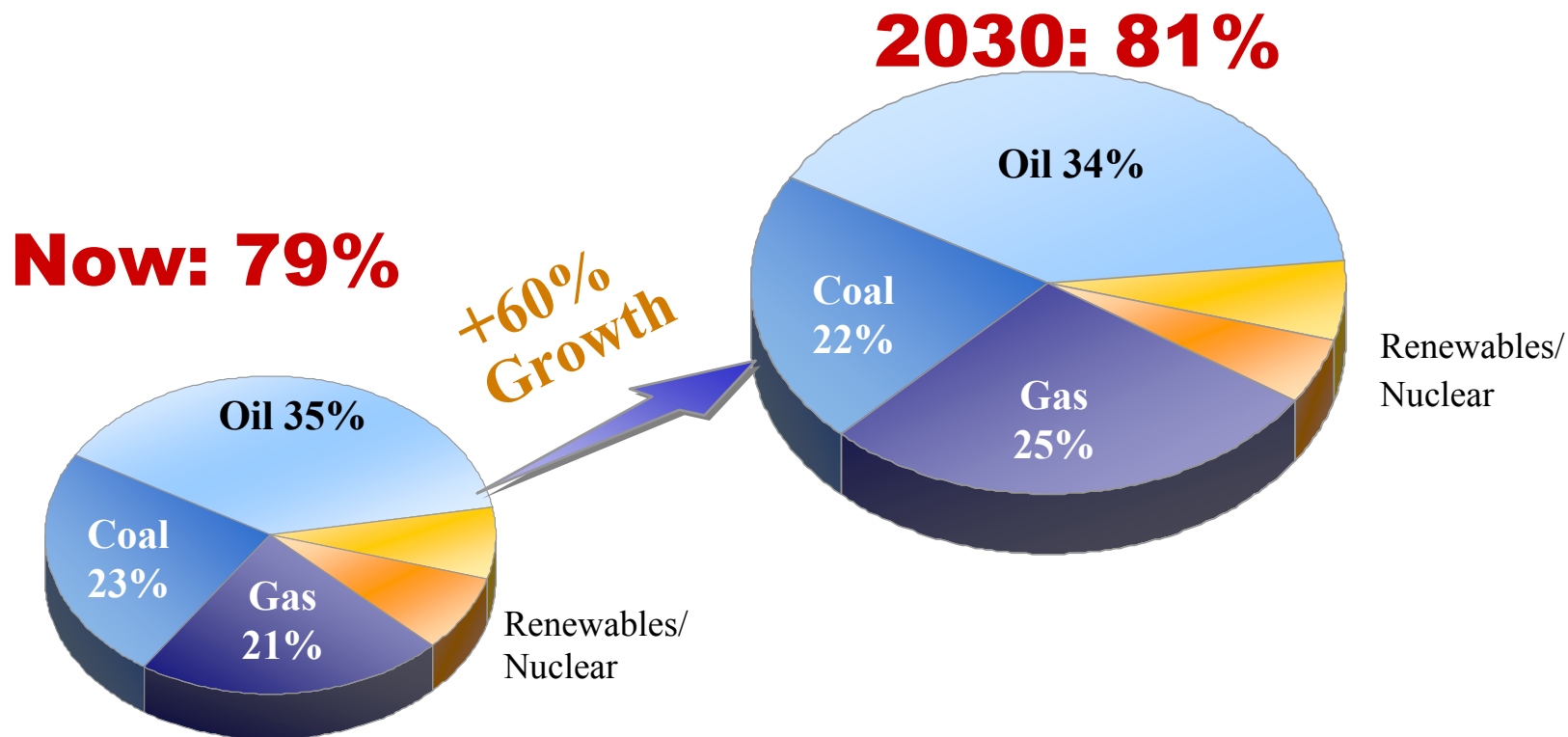
Barbara N. McKee
Chairman

World Energy Council Cleaner Fossil Fuels System Committee

Workshop with the
World Federation of Scientists

August 24, 2005
Erice, Sicily

Challenge: Cleaner Fossil Fuels in the Global Energy Picture



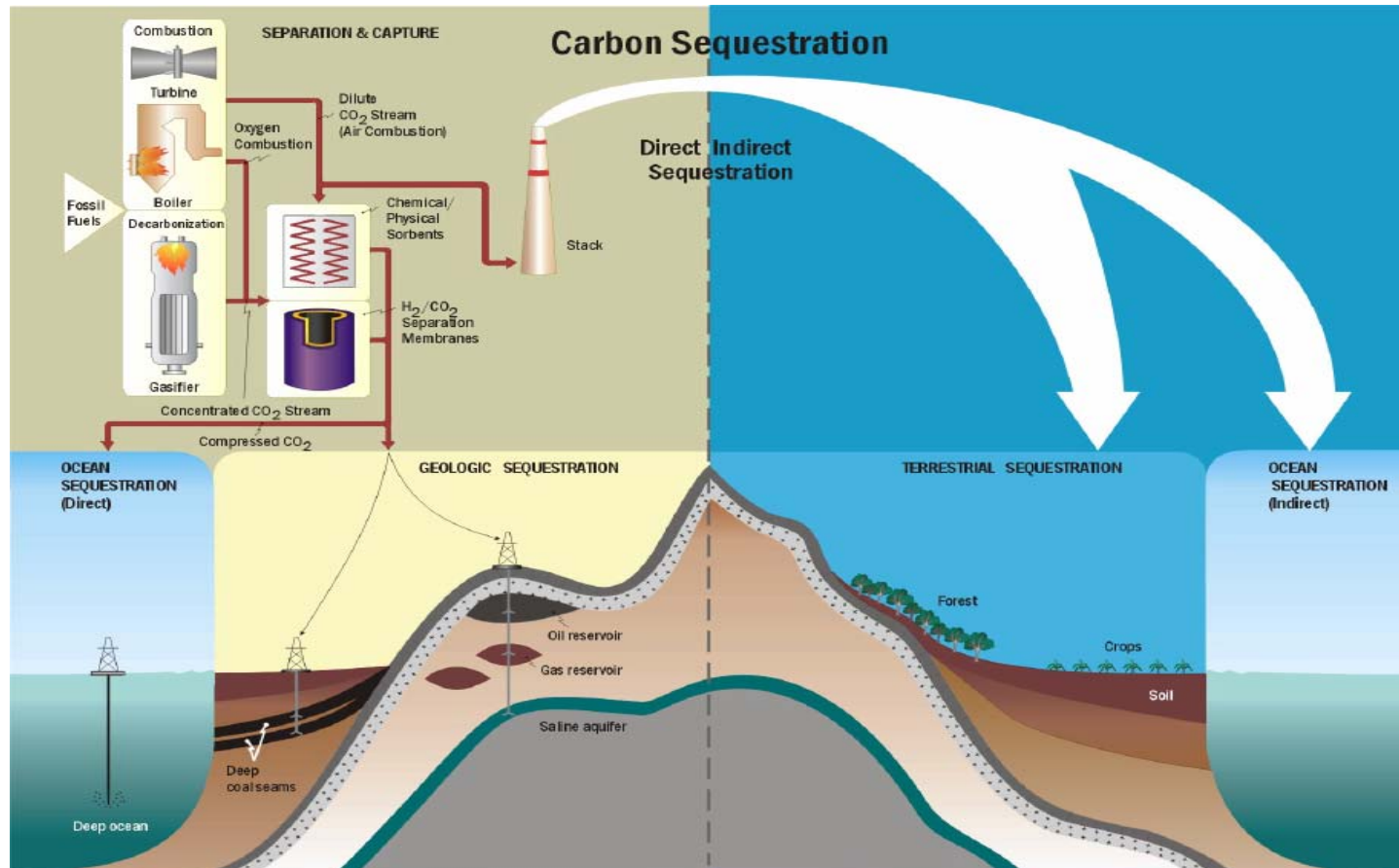
Source: [IEA World Energy Outlook](#)

Challenge: Develop New Technology



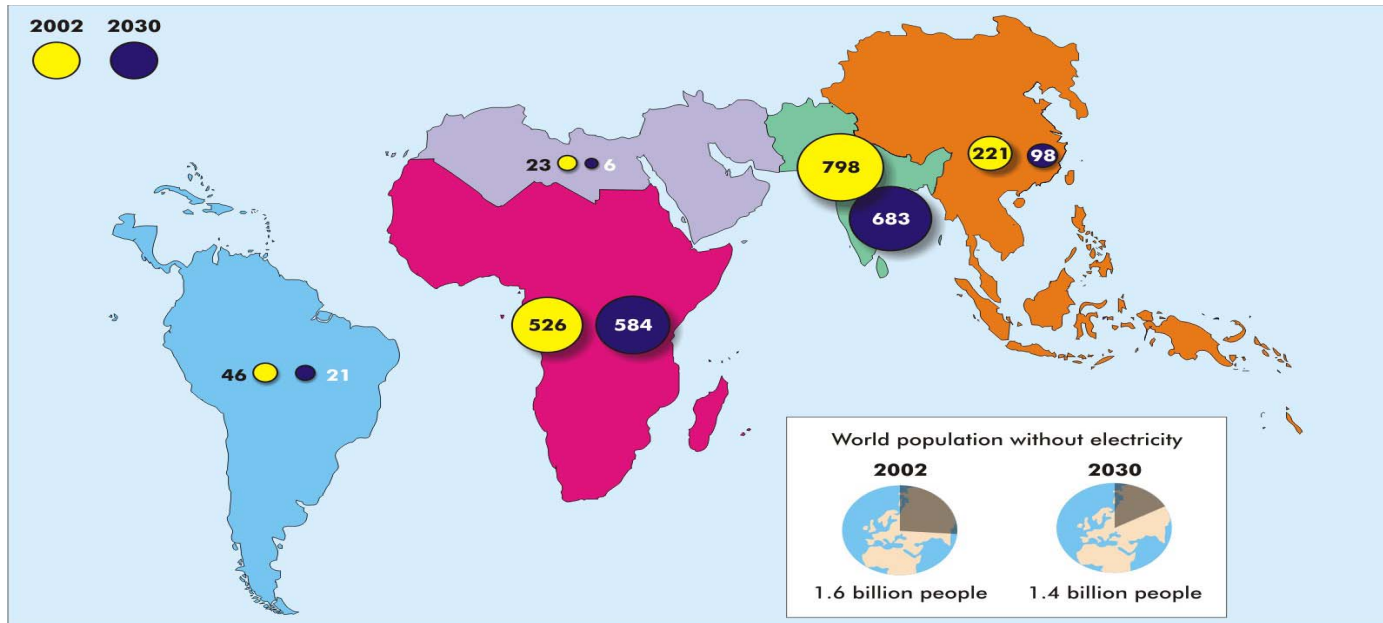
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Challenge: Carbon Capture and Storage: The Opportunities



Source: US Department of Energy

Challenge: Meeting Human Needs



Indicator of Human Welfare	Commercial Share of Total Energy		
	0-20 %	21-40 %	41-100 %
Life Expectancy (Years)	59.8	69.0	69.5
Probability of not surviving to 40	21.7	9.4	9.1
School Enrollment (%)	52.4	65.4	76.9
Children Underweight (%)	40.9	15.1	11.9
No Access to Clean Water (%)	20.9	22.8	12.8

Source: IEA World Energy Outlook