



Burying Carbon Dioxide

One possible way (along with improving energy efficiency and finding alternate fuels) to deal with the huge amount of carbon dioxide going into the atmosphere is *carbon sequestration*: burying CO₂ thousands of feet underground in old or unusable reservoirs, before it is emitted. Naturally geology is involved, but so too is mathematics. Linear algebra, numerical analysis, and partial differential equations underlie the models that combine with small-scale experiments to predict the extent of underground leakage and help determine the feasibility of carbon sequestration.

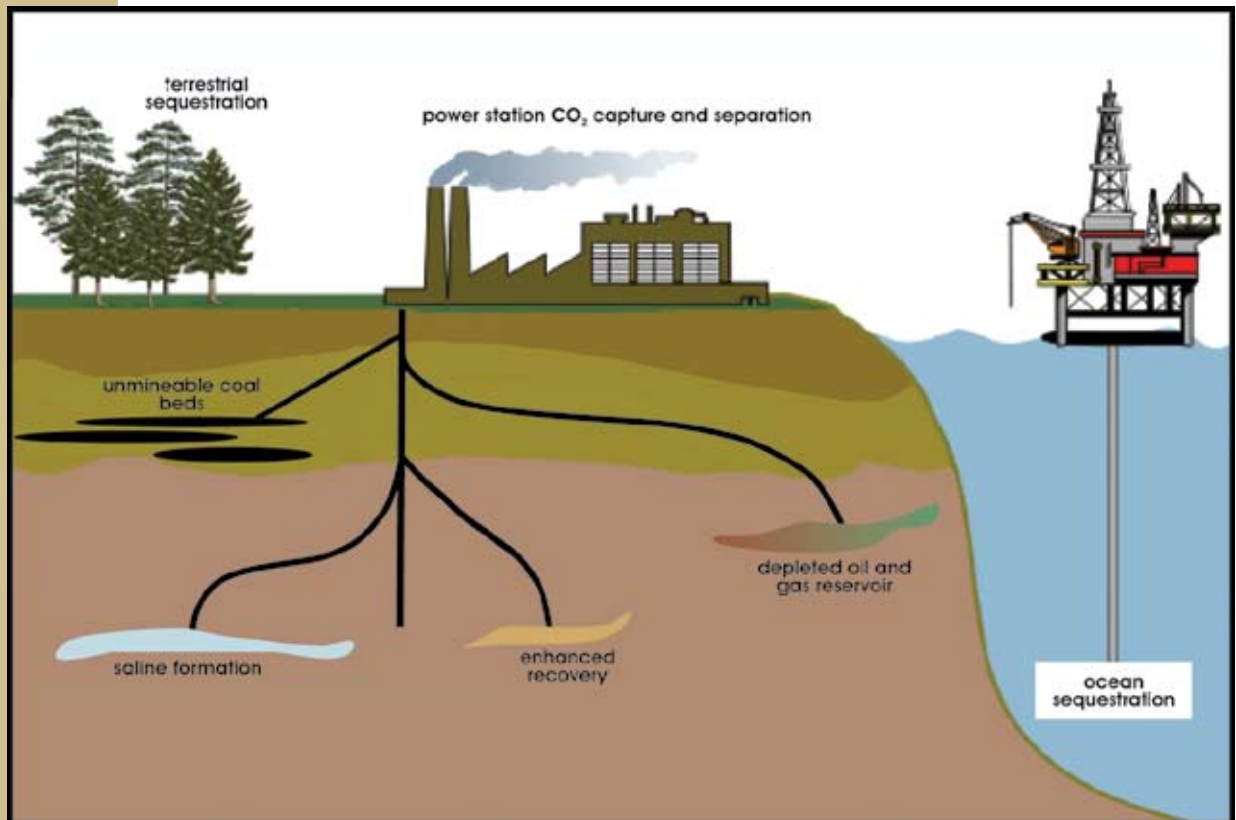


Image: Courtesy of the Energy Information Administration, <http://www.eia.doe.gov/kids>.



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