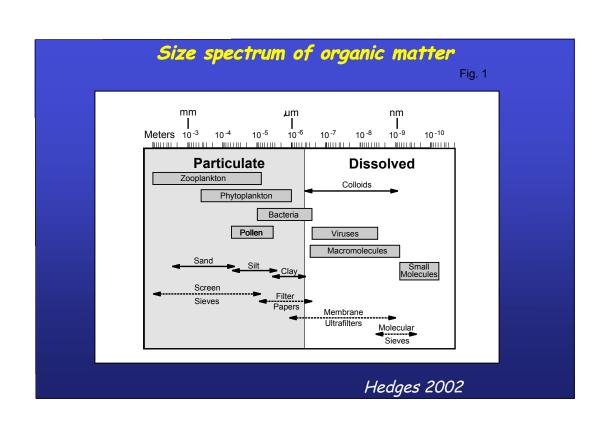
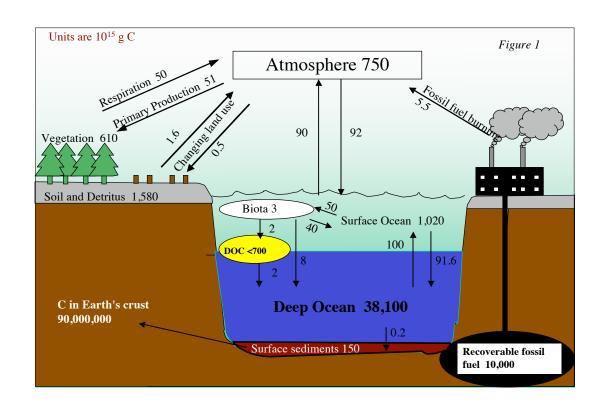
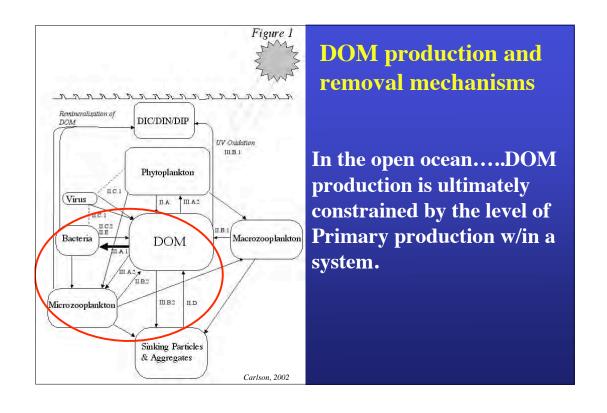
An Intro to Oceanic Dissolved Organic Carbon

Outline:

- · DOC how we define it and its relevance in the C-cycle
- · A brief history of the measurement and the controversy
- Partitioning the bulk pool into broad pools of lability and look at ways to assess their turnover







Brief History and the Controversy of DOC measurements

- 1909 Pütter developed first wet chemical combustion technique with chromic acid ...problems with chlorine interference
- 1934 Krogh and Keys- removed chlorine ...first reliable estimates of DOC
- 1950s Soviets started trying high temperature combustion
- 1961 Duursma wet oxidation and coulometric titration
- 1964- Menzel and Vaccaro wet persulfate oxidation
- 1966 Armstrong UV oxidation
- 1970's Sharp revisited the HTC method

