Gas Hydrate: Future Ocean Resource



United Nations Open-ended Consultative Process on Law of the Sea - 2004

Presented by Edith Allison June 9, 2004

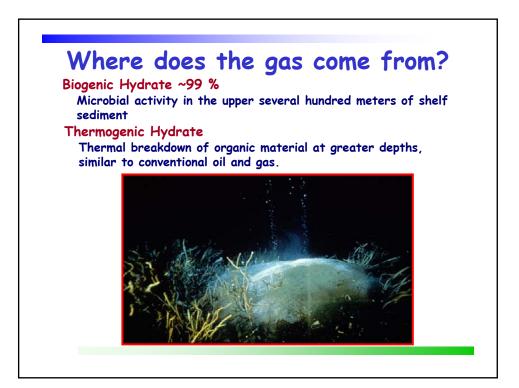
Introduction to Gas Hydrates What are they and how are they formed? Where are they found? How much may exist? Why hydrate is significant Energy Resource Seafloor Stability Specialized Biota Global Climate Change Fresh Water Next Steps

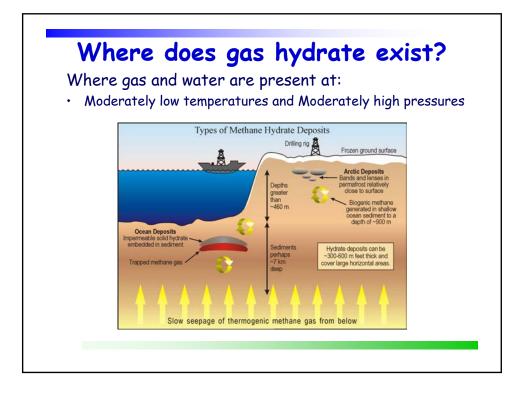
What is Gas Hydrate?

Hydrate is a crystalline solid consisting of gas molecules, usually methane, each surrounded by a cage of water molecules

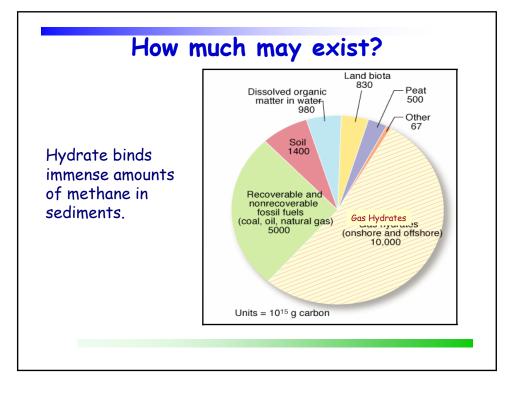
Each volume of hydrate contains up to 160 volumes of methane (natural gas)



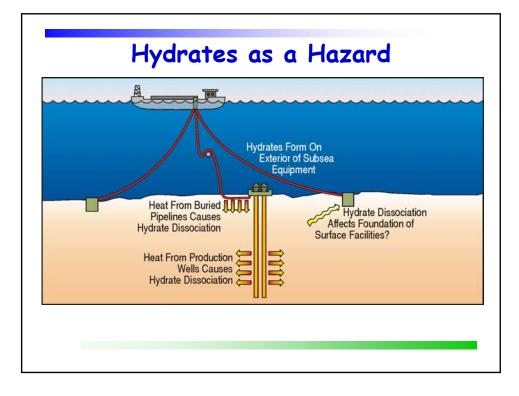


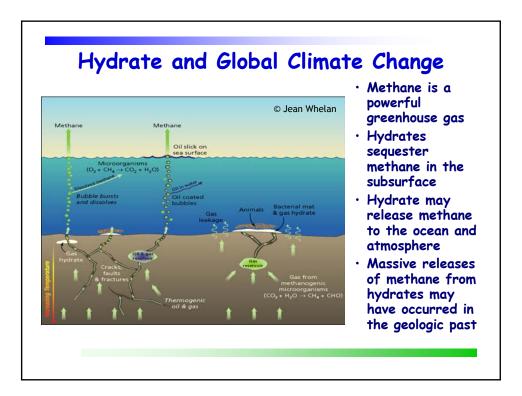












Unique Biological Communities at Hydrate Mounds and Methane Seeps



Community on a hydrate mound.



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Mussels at Blake Ridge the size of American footballs

