



Marine Resources

Dr. M. Srinivasan



Classes of Marine Resources

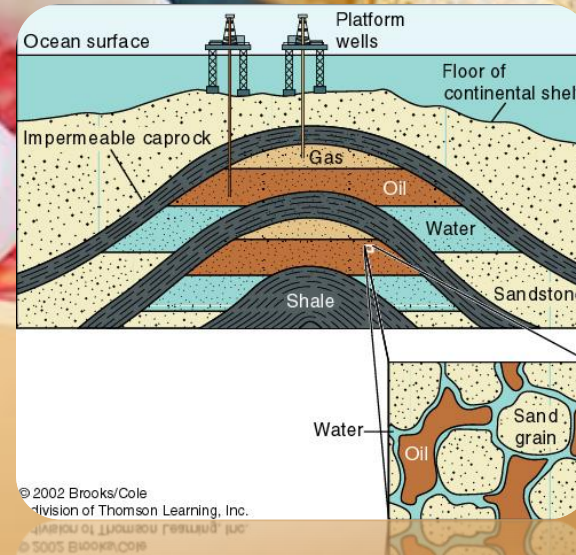
Physical resources

Salts, Mineral deposits, Manganese nodules, Silica, petroleum, natural gas, etc.

Biological resources

Microbes, Plants and animals (Fin fish, Shell fish and sea weed resources)

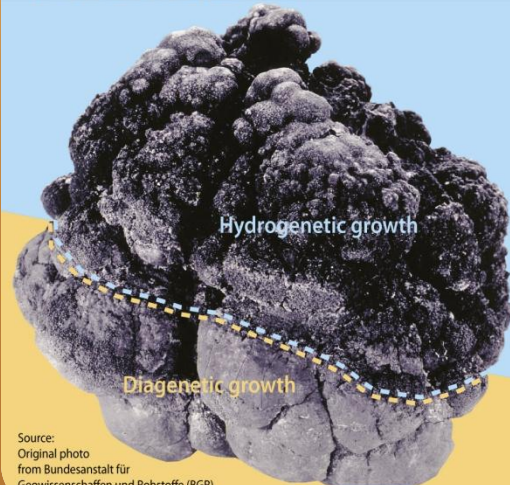
Petroleum and Natural Gas



Manganese nodule

A mixed manganese nodule

- Differences in surface texture



Salts and Minerals

Biological resources



Pelagic fin fish Resource

❖ Oil sardine



❖ Mackerel



❖ Flying fish



❖ Carangid



❖ Tuna



Demersal fin fish Resource

- ❖ Flat fishes
- ❖ Sharks
- ❖ Skates and Rays
- ❖ Molluscs (Bivalves & Gastropods)



Molluscs

Bivalves Oysters

- Edible Oysters
- Pearl Oysters



Gastropod Chunks



Seaweed Resources

- ❖ Gracilaria
- ❖ Sargassum
- ❖ Ulva
- ❖ Kappaphycus



Other Resources



- ☐ Sea cucumber
- ☐ Brittle Star
- ☐ Sea horse





- ☐ Whales
- ☐ Dolphins
- ☐ Penguins
- ☐ Walrus





Conservation

- Exclusive Economic Zone
- Government Agencies
 1. Central Marine Fisheries Research Institute (CMFRI)
 2. Zoological Survey of India (ZSI)
 3. Marine Products Export Development Authority (MPEDA)
 4. Department of Biotechnology(DBT)
 5. Department of Science and Technology (DST)
 6. Ministry of Environment and Forest (MoEF)
- Universities
- Non-governmental Organizations, etc.



Thank You