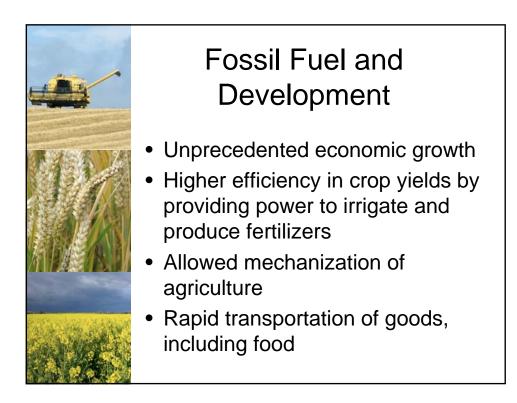
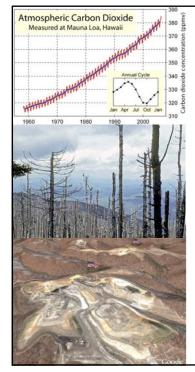
Breakthrough Technologies for Prevention of Acidification of Soils and Water

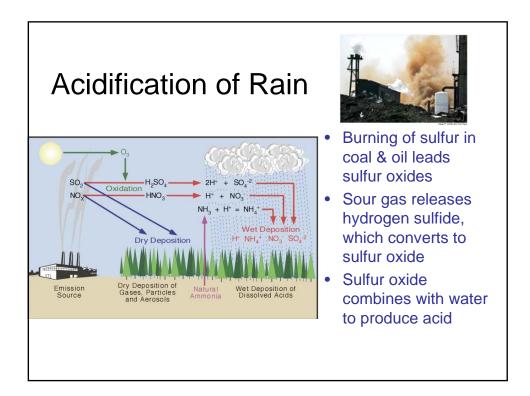
> Martin Schoonen Professor of Geochemistry and Interim Dean Stony Brook Southampton

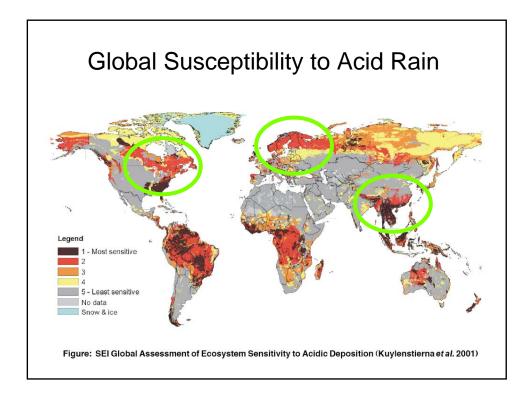


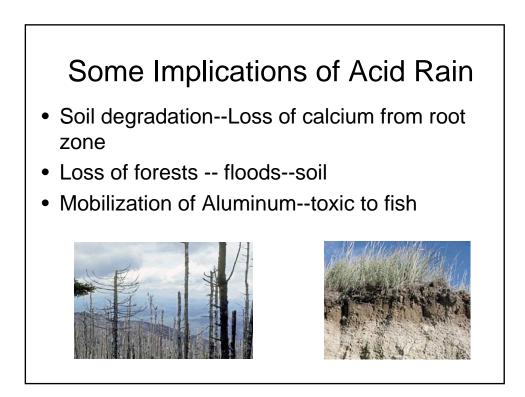


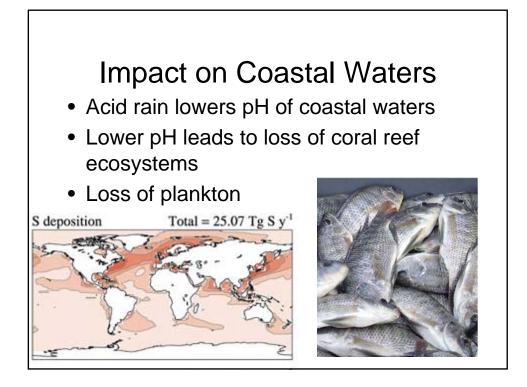
## Environmental Impact

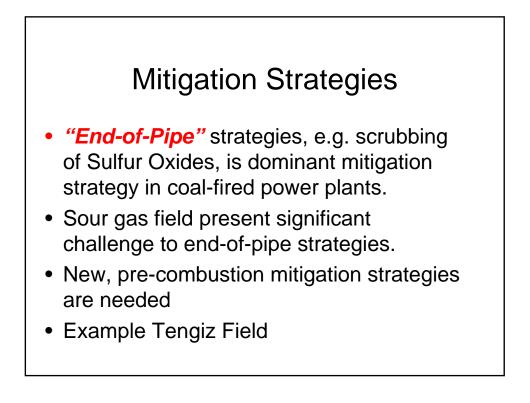
- Extraction and combustion of fossil fuels (coal, gas, oil) contributes to global, regional, and local environmental problems:
  - >Rise of carbon dioxide
    >Acidification of rain
    >Contamination of waters and soil by mine waste

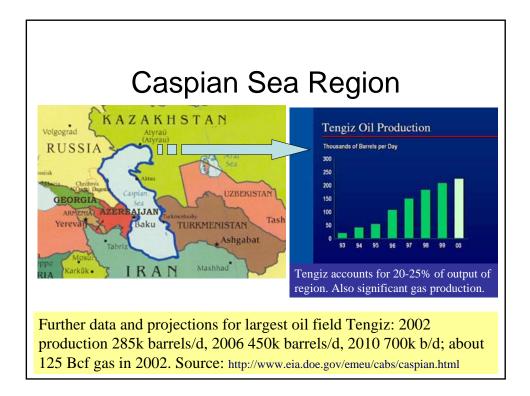


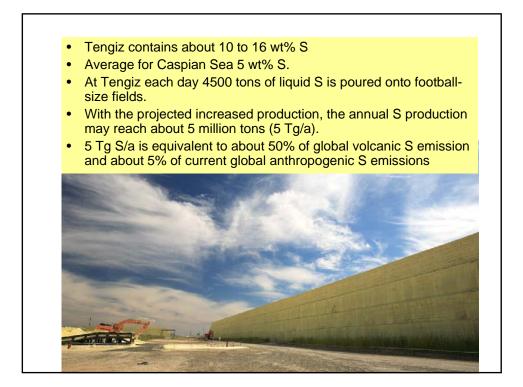


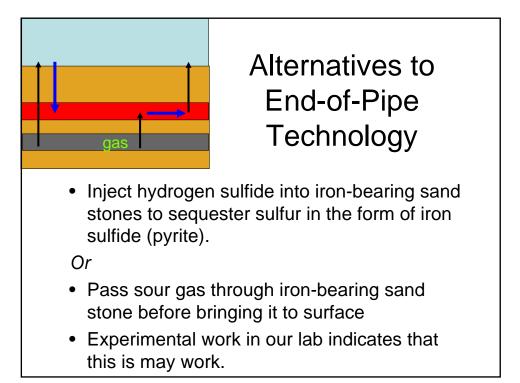


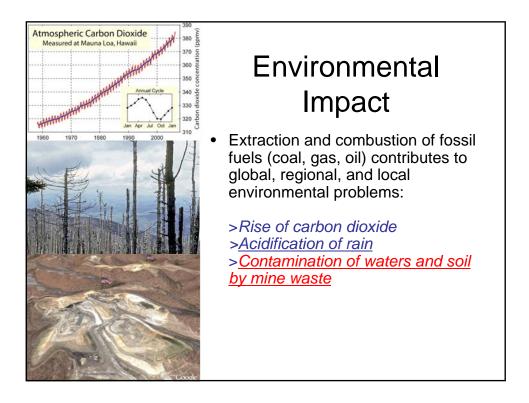


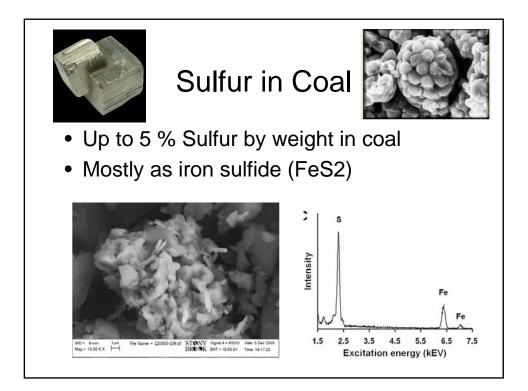


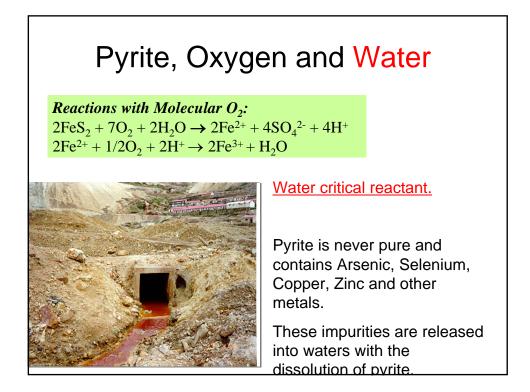


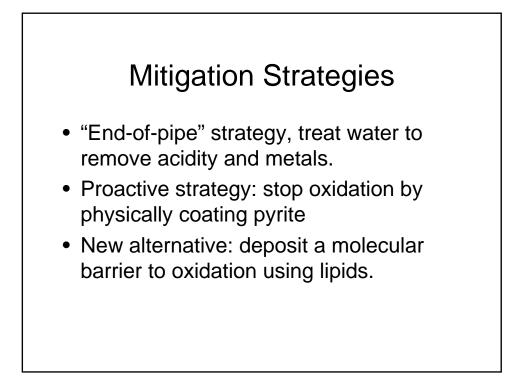


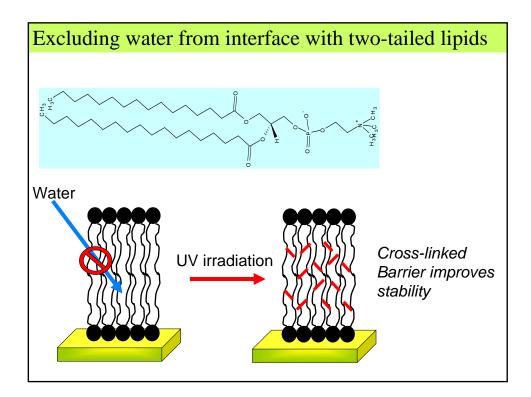


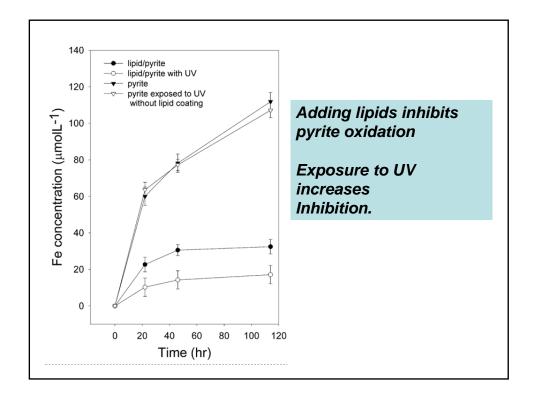


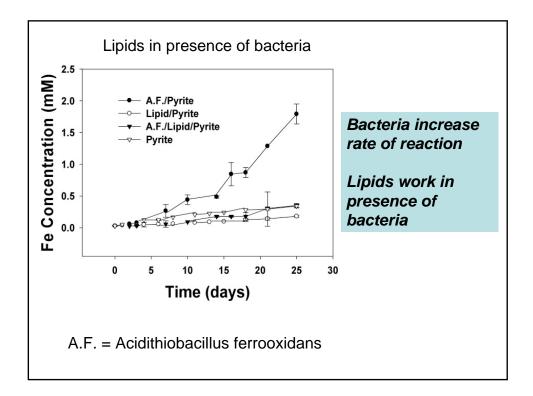


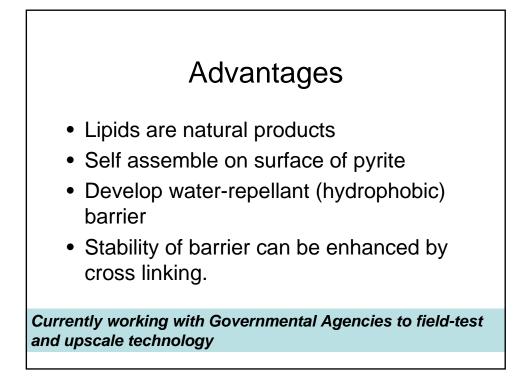


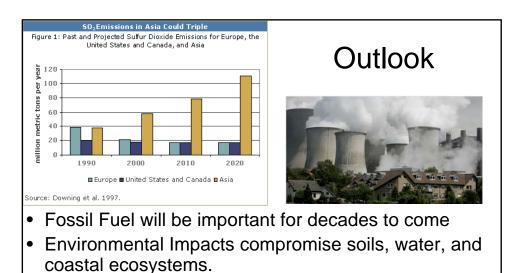












- "end-of-pipe" technology needs to be replaced by precombustion technology
- New technologies are available but need to be field-tested.

