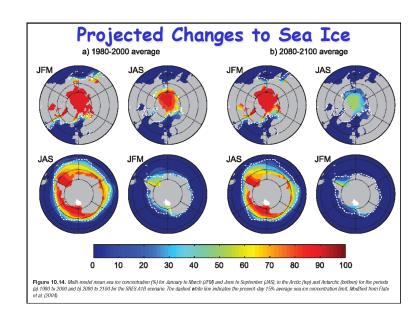
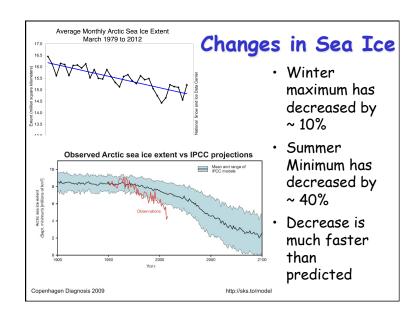
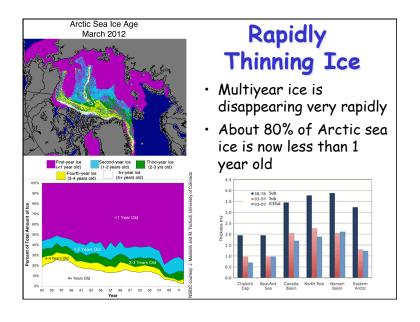
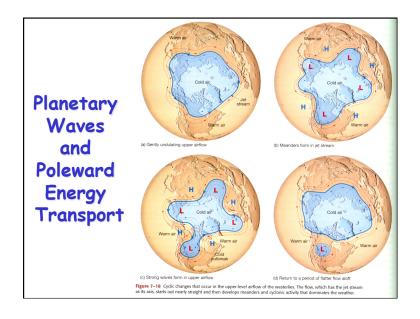
# Climate Change Impacts

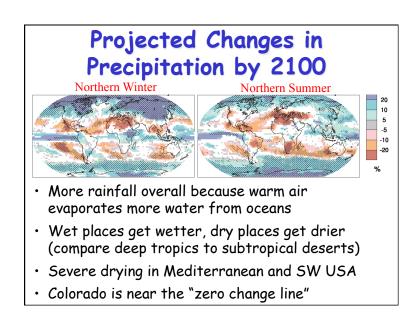


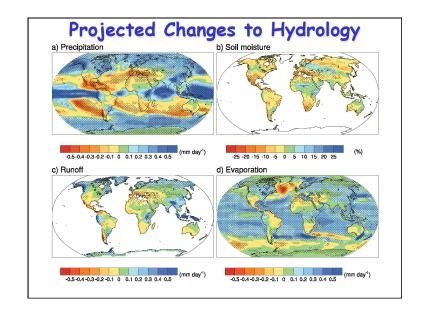


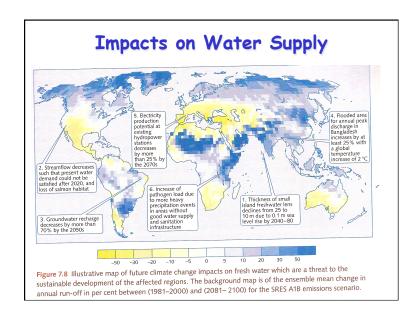


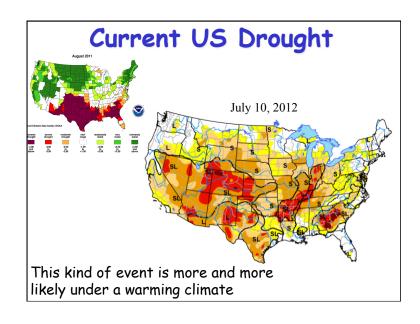


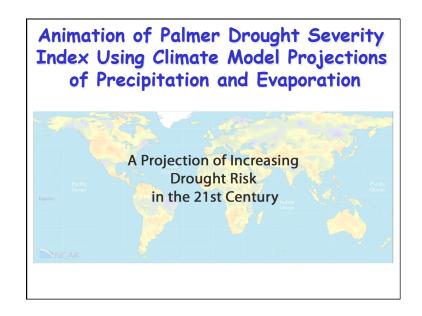
## Drought and Water Stress

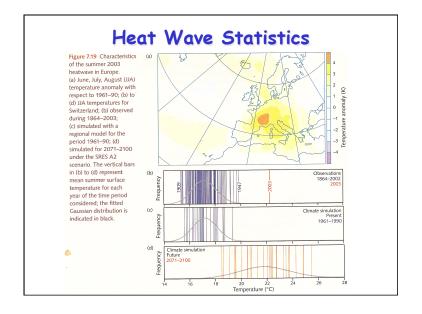


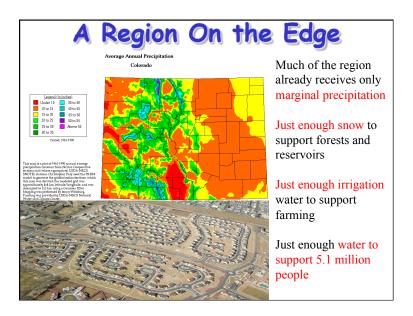








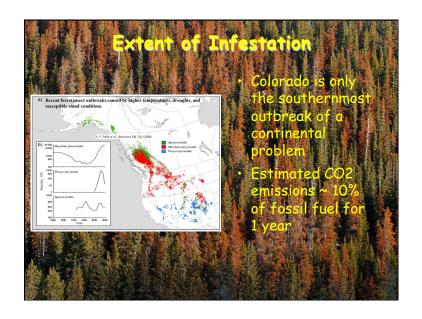




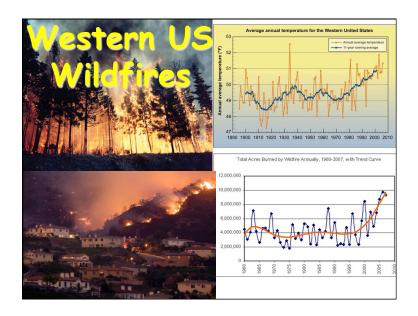






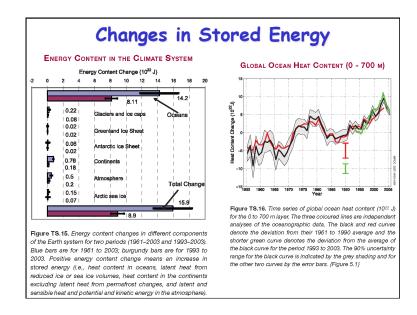


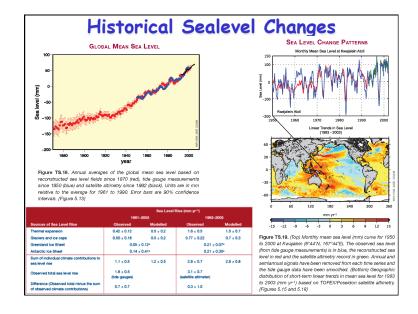


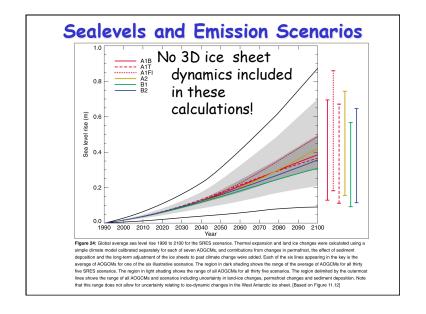


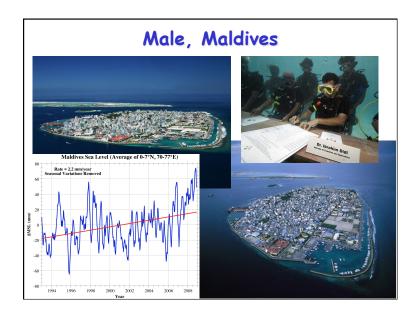


## Sea Level & Coastal Flooding

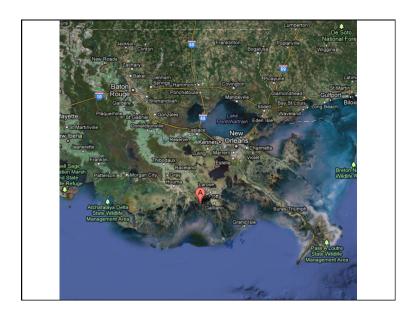












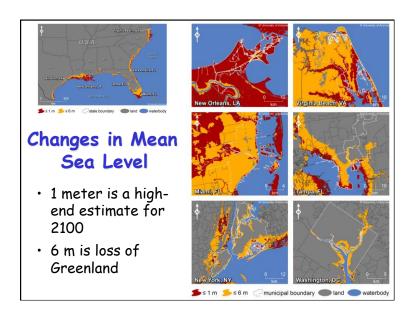


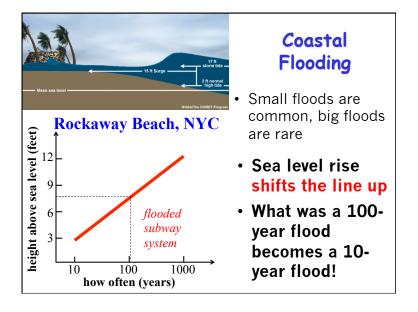




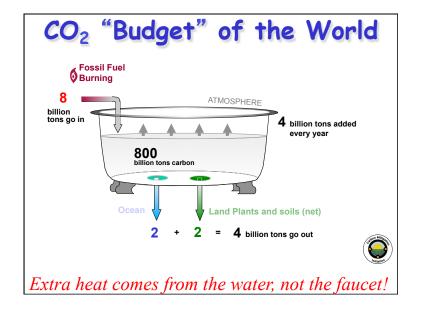


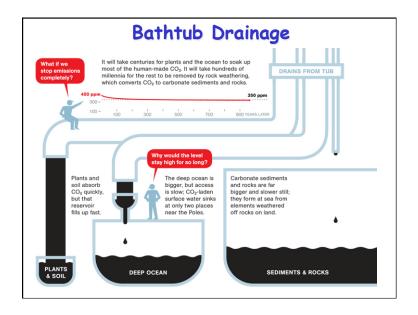


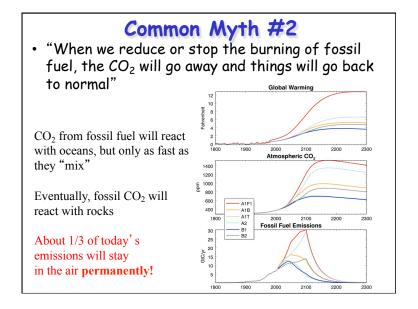


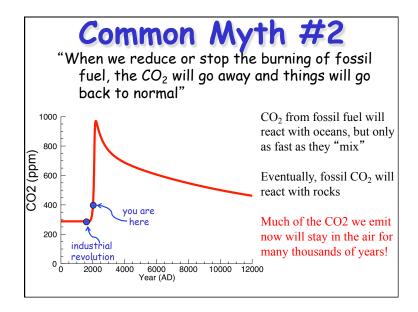


Distant Future

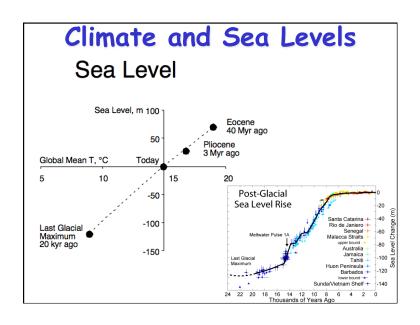


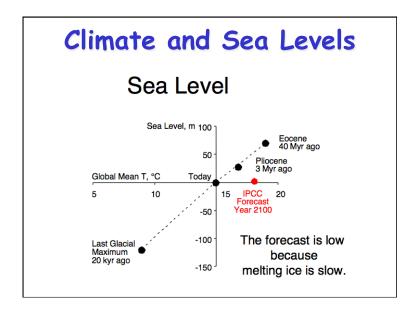


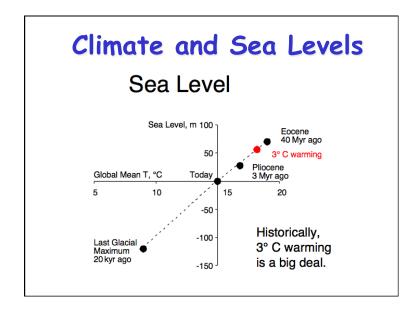












#### What we Know for Sure

- CO<sub>2</sub> molecules absorb & re-emit thermal radiation (Tyndall, 1863)
- Doubling the number of CO<sub>2</sub> molecules would add 4 W m<sup>-2</sup> to the surface 24/7 (Arrhenius, 1896)
- If China and India industrialize with coal, CO<sub>2</sub> will approach 400% preindustrial by 2100
- Additional CO<sub>2</sub> will continue adding heat to Earth's surface for thousands of years

#### What We're Not So Sure About

- When and in precisely what ways the climate will change, especially locally
- The economic, political, and social consequences of these changes
- · What to do about all of this