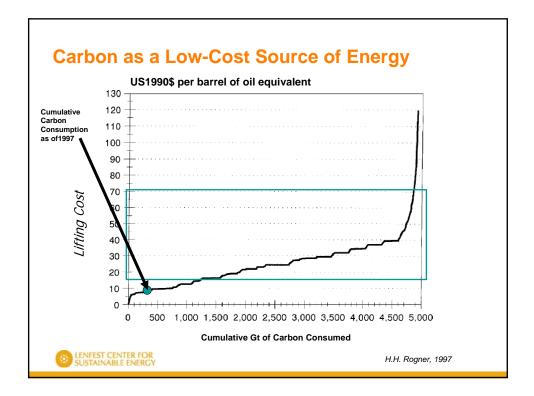
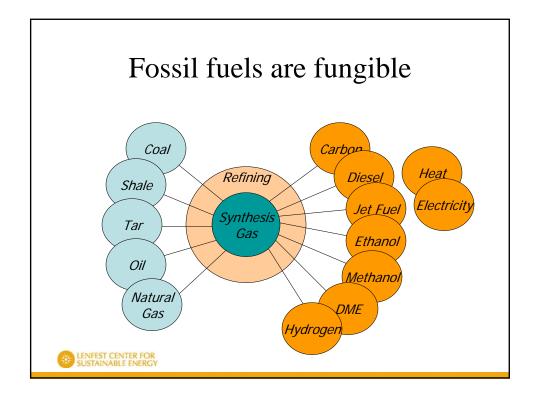


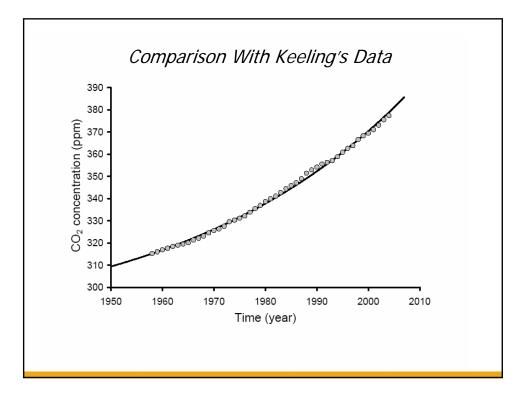
## **Resource Estimates**

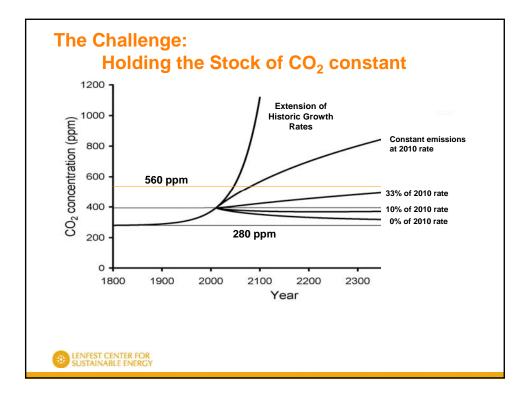
Table 9 Aggregation of global fossil energy sources-all occurrences, in Gtoe<sup>a</sup>

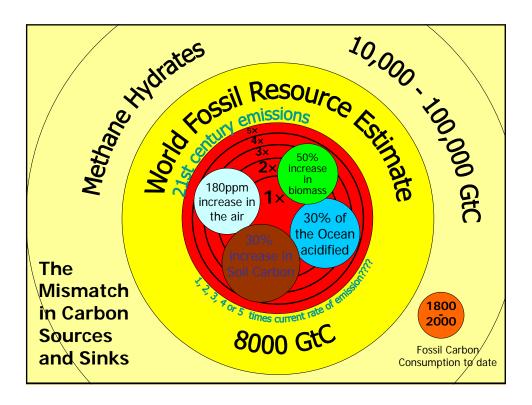
|  | Consumption   |           |               |                        | Resource      | Additional    |
|--|---|-----------|---------------|------------------------|---------------|---------------|
|  | 1860-1994   | 1994      | Reserves      | Resources <sup>b</sup> | basec         | occurrences   |
| Oil  |   |           |               |                        |               |               |
| Conventional   | 103   | 3.21      | 150           | 145                    | 295           |               |
| Unconventional   | 6   | 0.16      | 183           | 336                    | 519           | 1,824         |
| Natural gas  |   |           |               |                        |               |               |
| Conventionald  | 48  | 1.87      | 141           | 279                    | 420           |               |
| Unconventional   | _   | _         | 192           | 258                    | 450           | 387           |
| Clathrates   | _   | _         | -             |                        | _             | 18,759        |
| Coal   | 134   | 2.16      | 1,003         | 2,397                  | 3,400         | 2,846         |
| Total fossil<br>occurrences                                    | 291   | 7.40      | 1,669         | 3,415                  | 5,084         | 23,815        |
| <sup>a</sup> Sources: Histori                                  | al consumptio   | n (46). 1 | Reserves, res | ources, and oc         | currences, se | ee Tables 2–8 |
| — = negligible vol   | umes.   |           |               |                        |               |               |
| <sup>b</sup> Reserves to be d                                  |   |           |               |                        |               |               |
| <sup>c</sup> Resource base is<br><sup>d</sup> Includes natural | e is the sum of reserves and resources.<br>ral gas liquids. |           |               | H.H. Rogner, 1997      |               |               |
| USTAINABLE ENERGY  | 0   |           |               |                        |               |               |
| USTAINABLE ENERGY  |   |           |               |                        |               |               |

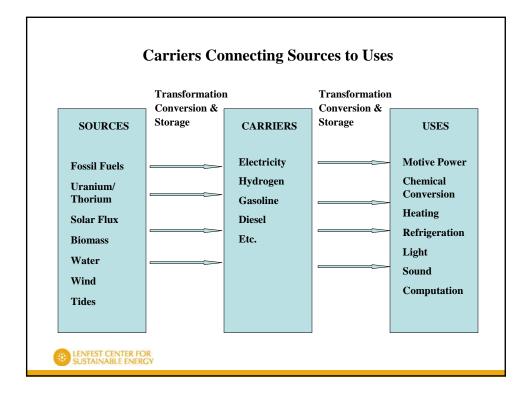


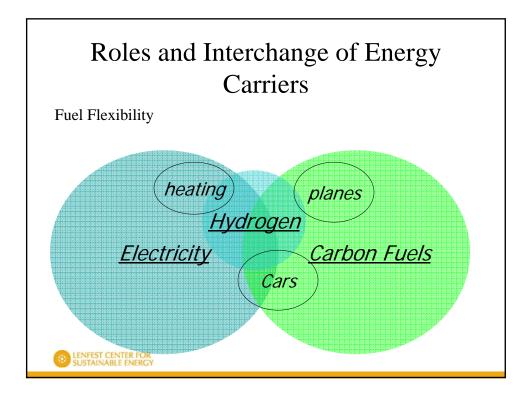












## A Triad of Large Scale Options

- Solar
  - Cost reduction and mass-manufacture
- Nuclear
  - Cost, waste, safety and security
- Fossil Energy
  - Zero emission, carbon storage and interconvertibility

Markets will drive efficiency, conservation and alternative energy

SUSTAINABLE ENERGY

