



Climate Change – assessing the problem Current CO₂ concentrations are 370 ppm Increasing at ~2 ppm yr¹ Compared to 265 ppm the existed prior to global industrialization (mid-1800s) Additional CO₂ is emitted at about 7 Gton per year Roughly half of this remains in the atmosphere... Observed warming to date – roughly 0.6 deg C Will continue to rise – reaching ~2 deg C even under the best case scenarios...









































Some Alternative HH fuels

"Cane-coal" – bagasse based charcoal briquettes (costs competitive with traditional charcoal) but with controlled production emissions.





Gel-fuel: Ethanol fuel made from sugar cane (cost about 30% higher than kerosene)





For more information

ERG:

http://socrates.berkeley.edu/erg

Renewable & Appropriate Energy Laboratory http://socrates.berkeley.edu/~rael http://socrates.berkeley.edu/~dkammen