

Lecture 3:
We Don't Tenure Mother Teresa

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- 1. The climate crisis reinvented** (3.28.2016)
Klein, chapters 1 & 2 | Optional: Dove & Kammen, chapter 1
- 2. Our mistrust of the future makes it hard to give up the past** (4.4.16)
Klein, chapters 3 | Optional: Dove & Kammen, chapter 5
- 3. We don't tenure Mother Teresa** (4.11.2016)
Klein, chapter 9 | Optional: Dove & Kammen, chapter 2
- 4. What are the barriers to action?** (4.18.2016)
Klein, chapter 6 - 8 |
- 5. A new economics of the planet** (4.25.2016)
Klein, chapter 4 | Optional: Dove & Kammen, chapter 3; Klein 12
- 6. Pasteur's Quadrant** (5.2.2016)
Klein, chapter 7, 11 | Optional: Dove & Kammen, chapter 4

Homework #1: Due in class for L#3
List one item raised by Klein
in Chapters 1 – 3 where you:

- a) want more information
- b) have a strong factual agreement or disagreement
- c) have a strong visceral agreement or disagreement

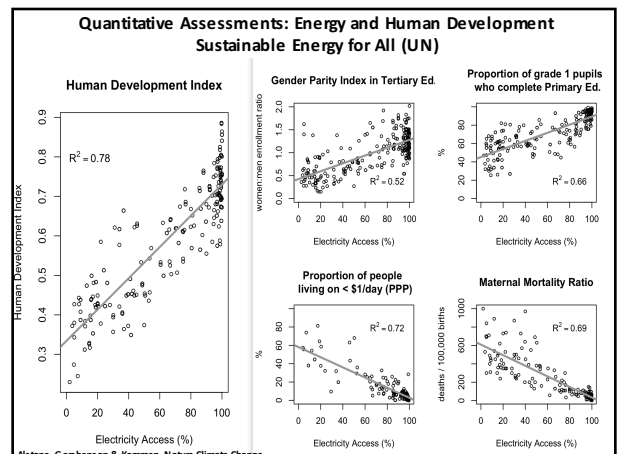
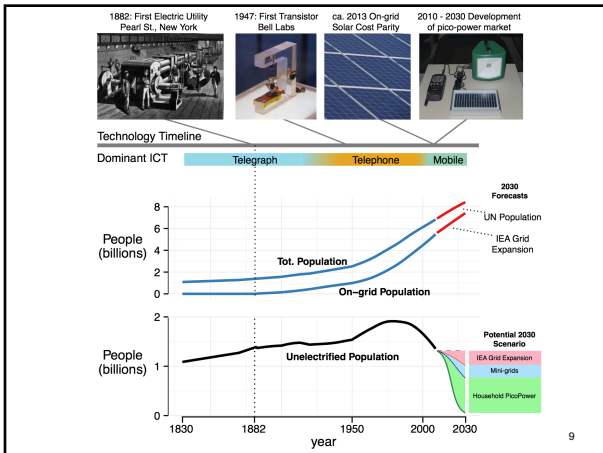
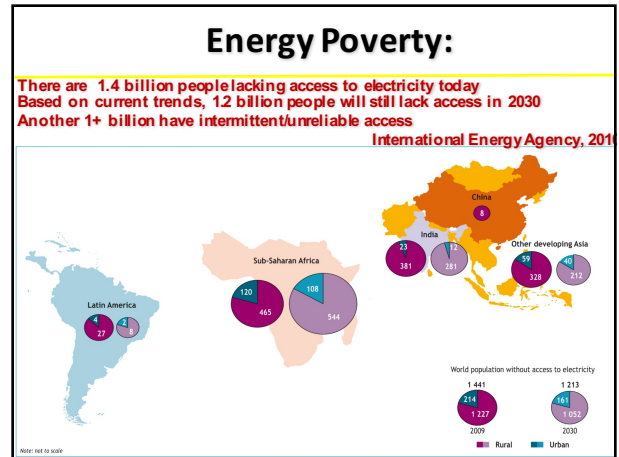
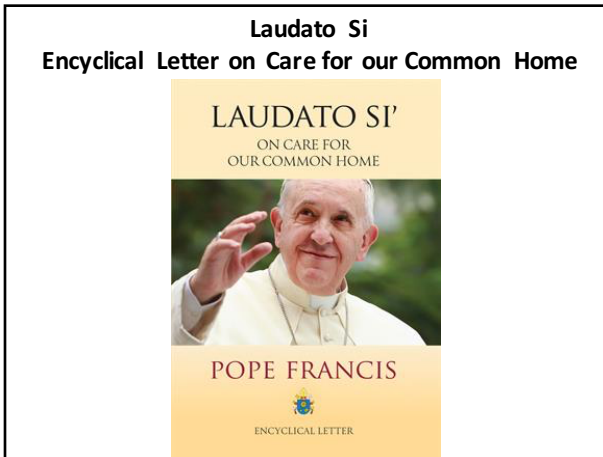
(b) is optional

Resources:

Website: <http://rael.berkeley.edu>

Twitter: [@dan_kammen](https://twitter.com/dan_kammen)





Biomass Resources and Use



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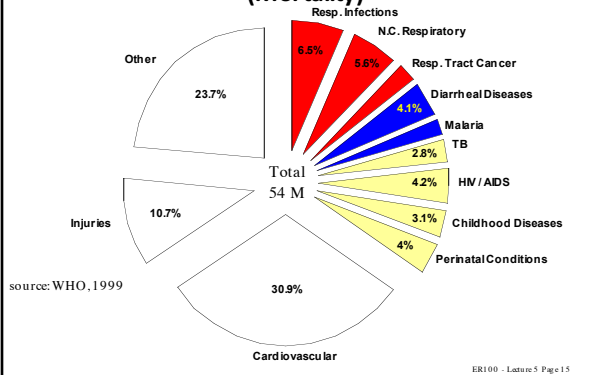
Other approaches



Sp. 'Global approach' - a pilot project in Guatemala develops the bio-process with locally available...

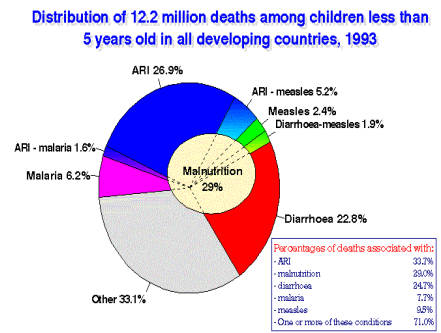
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The Global Distribution of Disease (Mortality)



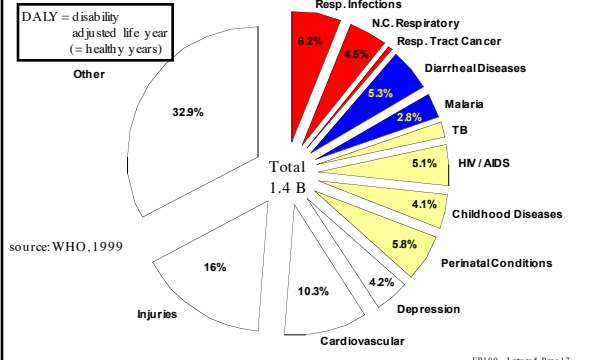
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Global Distribution of Disease: Mortality

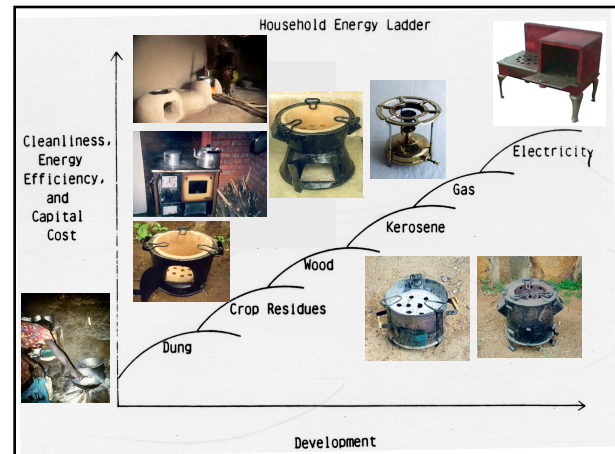


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The Global Distribution of Disease (DALY)



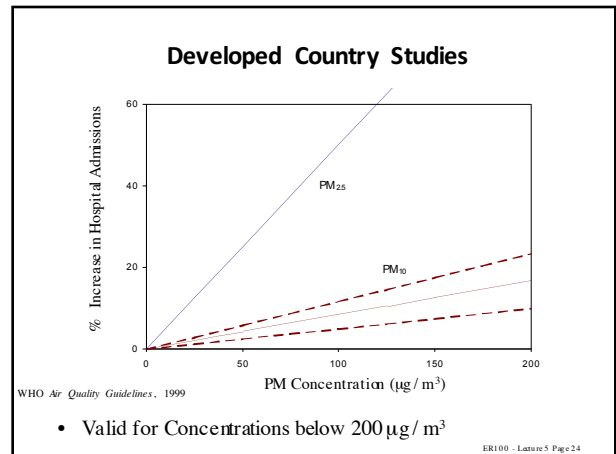
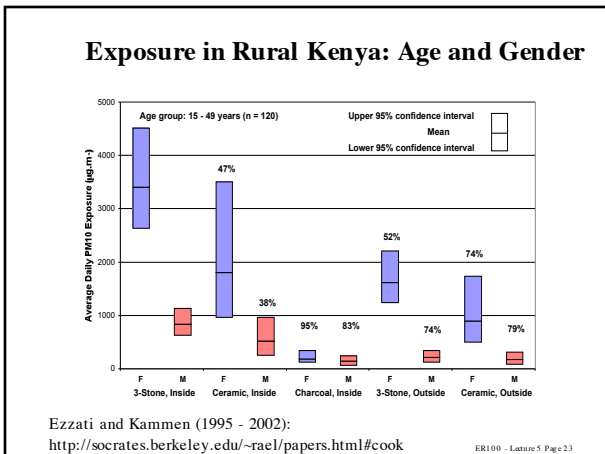
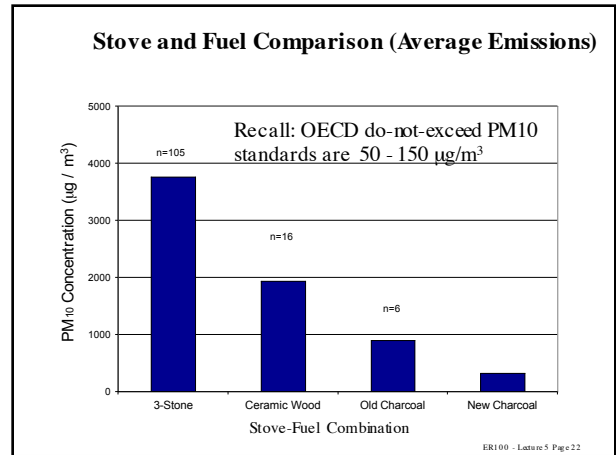
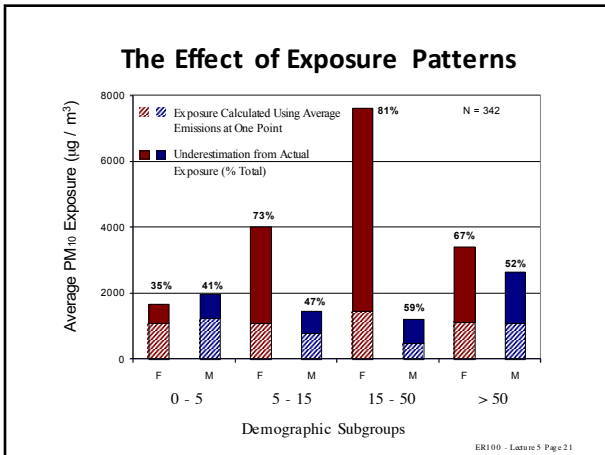
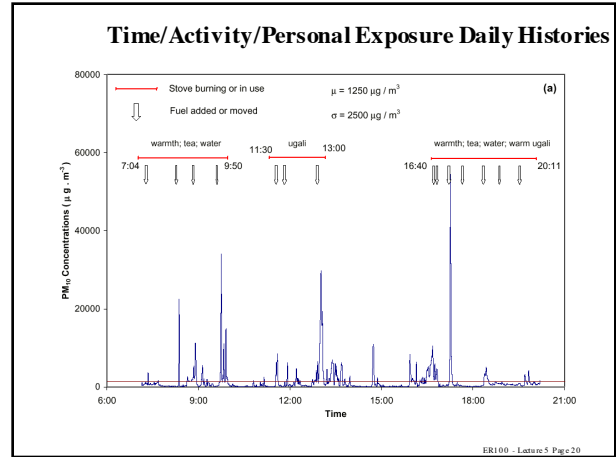
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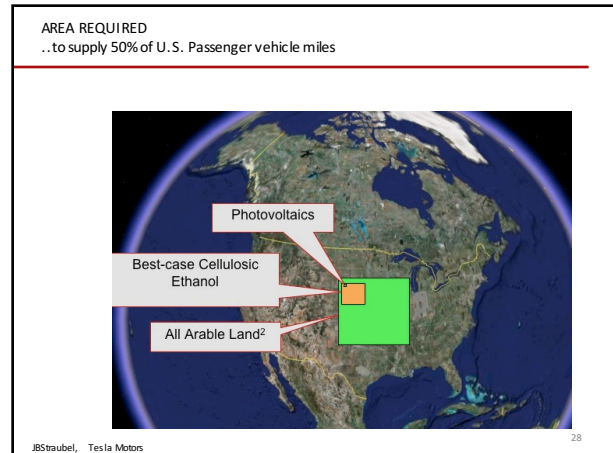
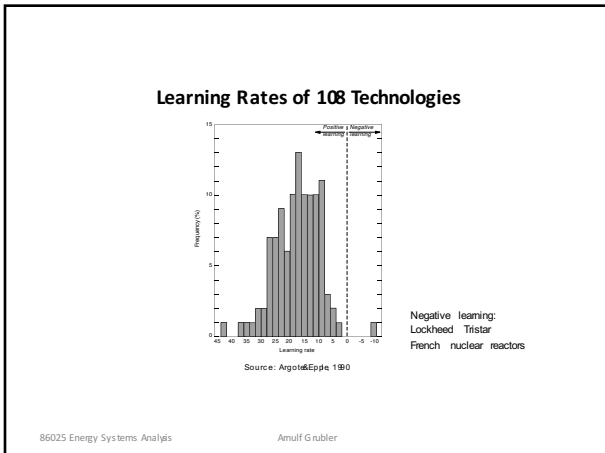
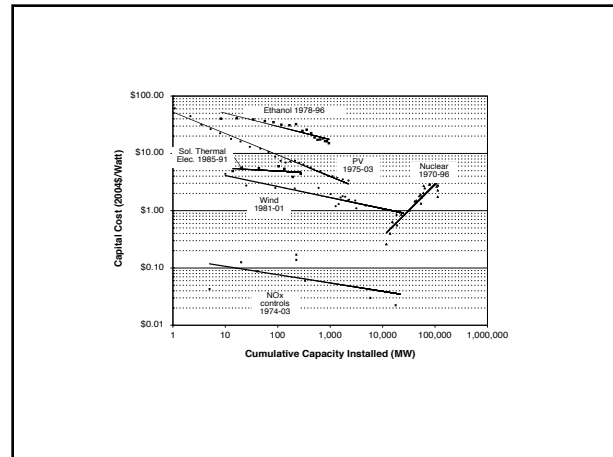
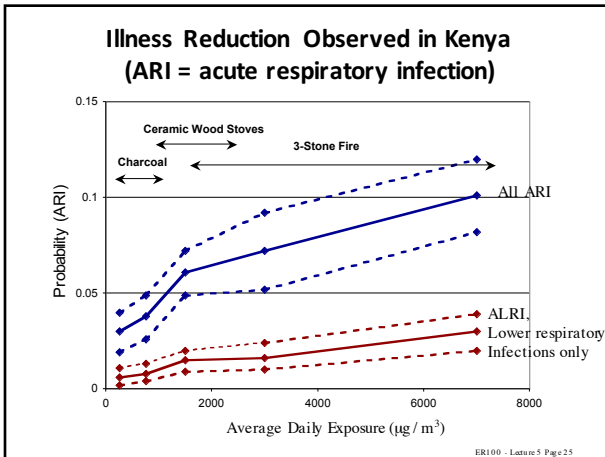


Hot Topic: Kerosene for Lighting

- Warming of 1 kg of BC = 700 kg of CO2 over 100 years
- Low organic carbon emissions (OC)
- Lung function, asthma, cancer risks

Source: Lam et al., *EST* (2012)





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