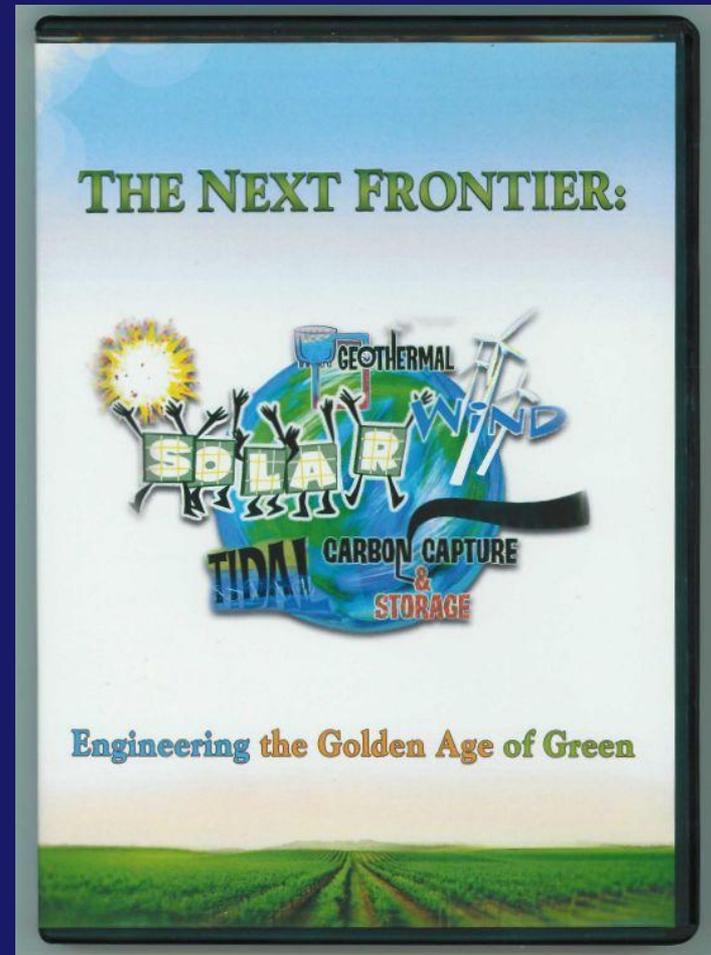


TOPIC #16 CLIMATE CHANGE ADAPTATION & MITIGATION SOLUTIONS II (cont.)

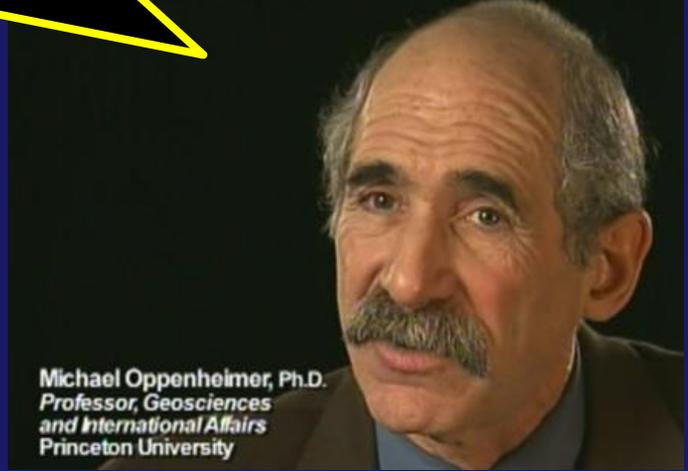
TODAY:
More Mitigation Solutions!

We'll start by watching the next segment of . . .



Remember
to count
the “Flowers”

“Let a thousand
flowers bloom”.

A portrait of Michael Oppenheimer, a man with a mustache, wearing a dark suit jacket over a blue shirt. He is looking slightly to the left of the camera.

Michael Oppenheimer, Ph.D.
Professor, Geosciences
and International Affairs
Princeton University

When we finish the film
You will be asked **HOW MANY
DIFFERENT SOLUTIONS WERE
DISCUSSED IN IT** and to give a few
examples.

EXAMPLES (in the film and elsewhere . . .)

(See p 93 in Class Notes)

Conservation

Energy efficiency

Alternative energy

(solar, wind, geothermal, hydropower, nuclear, etc. etc. , , ,)

Green economy

Geoengineering

Footprint reduction

Management solutions

Forest stewardship / certification

International agreements on emissions targets e.g., **Kyoto**

Treaty or a modification – **In progress now!**

National policies (cap & trade, carbon tax) **Tough sell!** p 122

Local initiatives (rainwater harvesting in Tucson, many more!)

Sustainable lifestyles . . . (you and me!)



The climate news is bad, but prospects for climate talks may be worse

UN-sponsored climate talks opened Monday in South Africa amid grim news on global warming and deeply divisive questions over how, or whether, to expand or extend the Kyoto Protocol.

By Pete Spotts, Staff writer / November 28, 2011



Executive Secretary of the United Nations Framework Convention on Climate Change Christiana Figueres speaks during a news conference at the conference at the Conference of the Parties of the United Nations Climate Change Conference in Durban, South Africa, Monday. Almost 200 nations began global climate talks on Monday with time running out to save the Kyoto Protocol aimed at cutting the greenhouse gas emissions.

Rogan Ward/Reuters

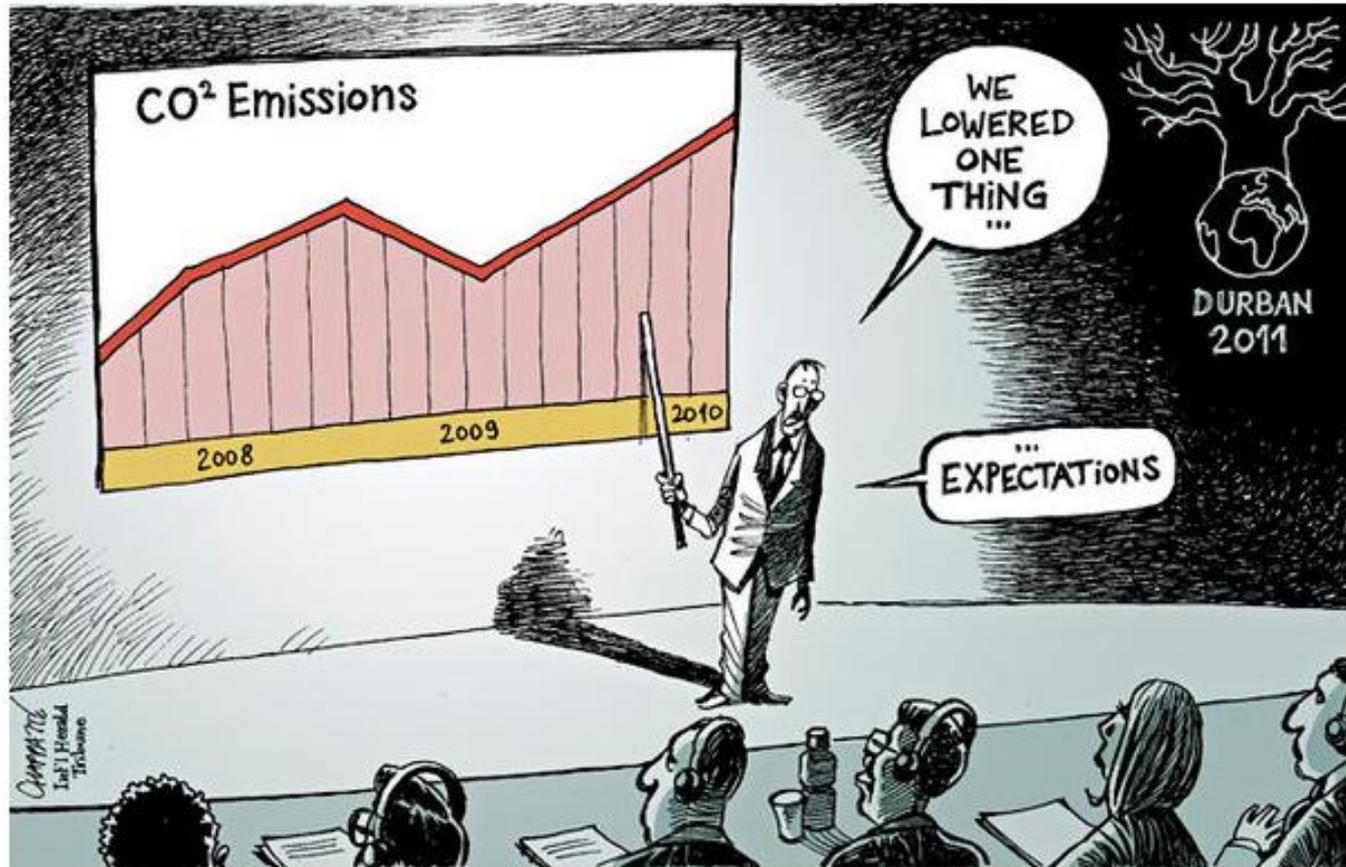
[+ Enlarge](#)

<http://www.csmonitor.com/Environment/2011/1128/The-climate-news-is-bad-but-prospects-for-climate-talks-may-be-worse>

New York Times cartoon:

PATRICK CHAPPATTE

Climate Change



Published: November 29, 2011

On the meeting Durban, South Africa, about the world's response to climate change.

 RECOMMEND

 TWITTER

G-6 ECOLOGICAL FOOTPRINTS & GLOBAL CHANGE



Global Footprint Network
Advancing the Science of Sustainability

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Footprint Calculator

How much land area does it take to support your lifestyle? Take this quiz to find out your Ecological Footprint, discover your biggest areas of resource consumption, and learn what you can do to tread more lightly on the earth.



reset quiz

74% complete

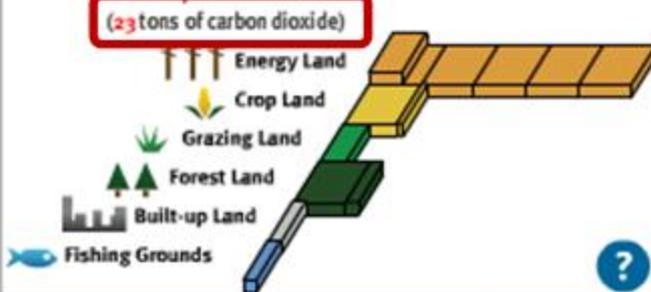


USA AVERAGE Ecological Footprint (based on 2008 data)

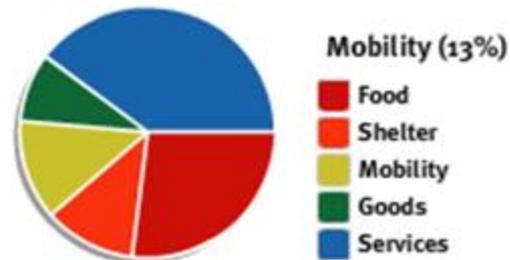
Many activities impact our Footprint. If everyone lived like you, we'd need **5 Planet Earths** to provide enough resources.



To support your lifestyle, it takes **22.1 global acres** of the Earth's productive area.



Here is how your Ecological Footprint breaks down:



Can you reduce your Ecological Footprint?

edit your footprint

go back and retake parts of the quiz

explore scenarios

explore simple actions to change your Footprint

continue

continue without exploring

The Ecological Footprint calculator “represents the amount of land and sea area needed to provide the resources a person needs (food, shelter, etc.), and absorb the wastes they create (including carbon dioxide)”

SOURCE: http://www.footprintnetwork.org/en/index.php/GFN/page/footprint_calculator_frequently_asked_questions/

See you on MONDAY for:

FINAL EXAM REVIEW QUIZ!!

Atmospheric Structure and Composition	Radiation Laws	Matter & Thermo- dynamics	Laws of Motion	Odds & Ends
<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>	<u>100</u>
<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>	<u>200</u>
<u>300</u>	<u>300</u>	<u>300</u>	<u>300</u>	<u>300</u>
<u>400</u>	<u>400</u>	<u>400</u>	<u>400</u>	<u>400</u>
<u>500</u>	<u>500</u>	<u>500</u>	<u>500</u>	<u>500</u>