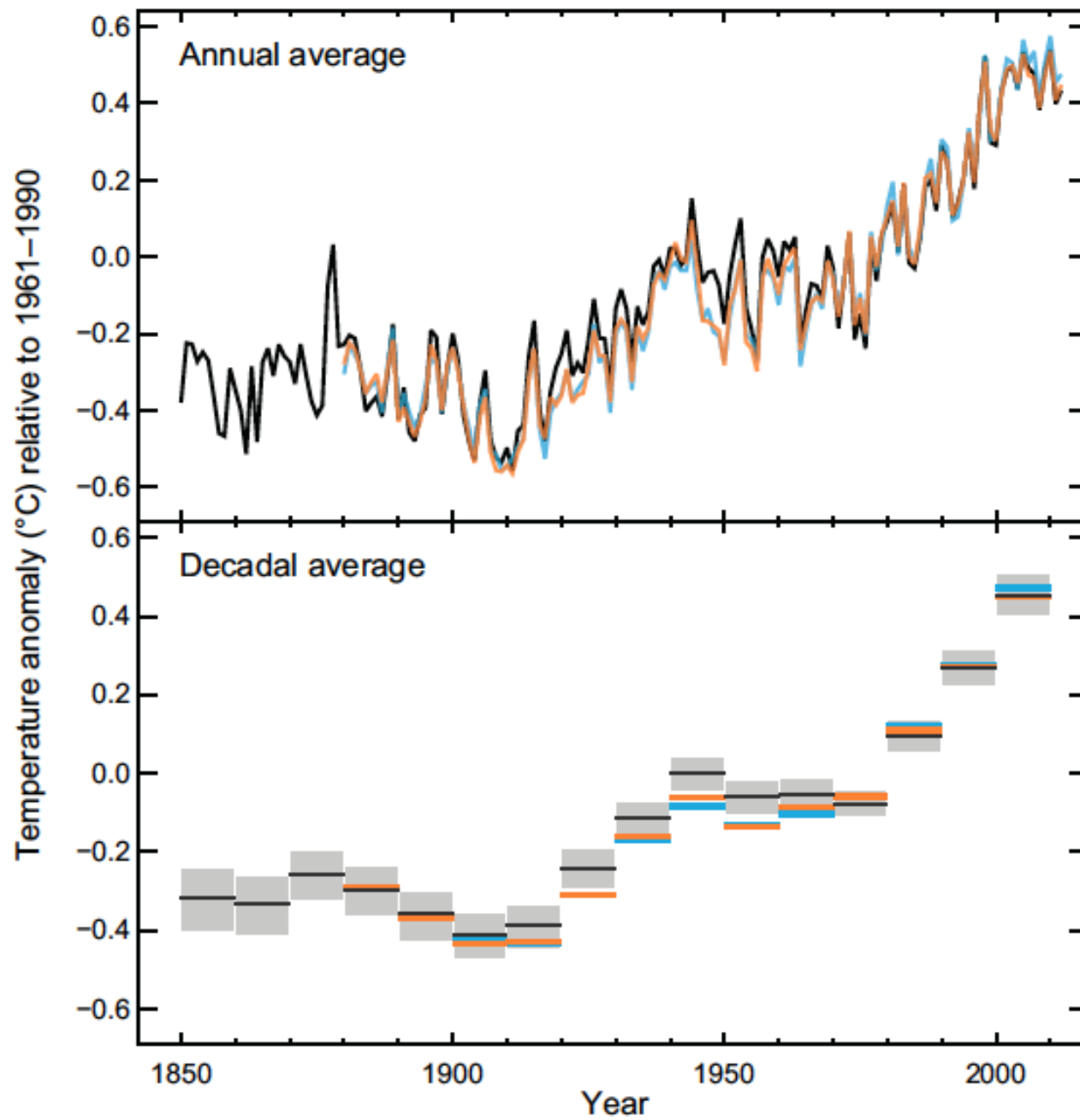
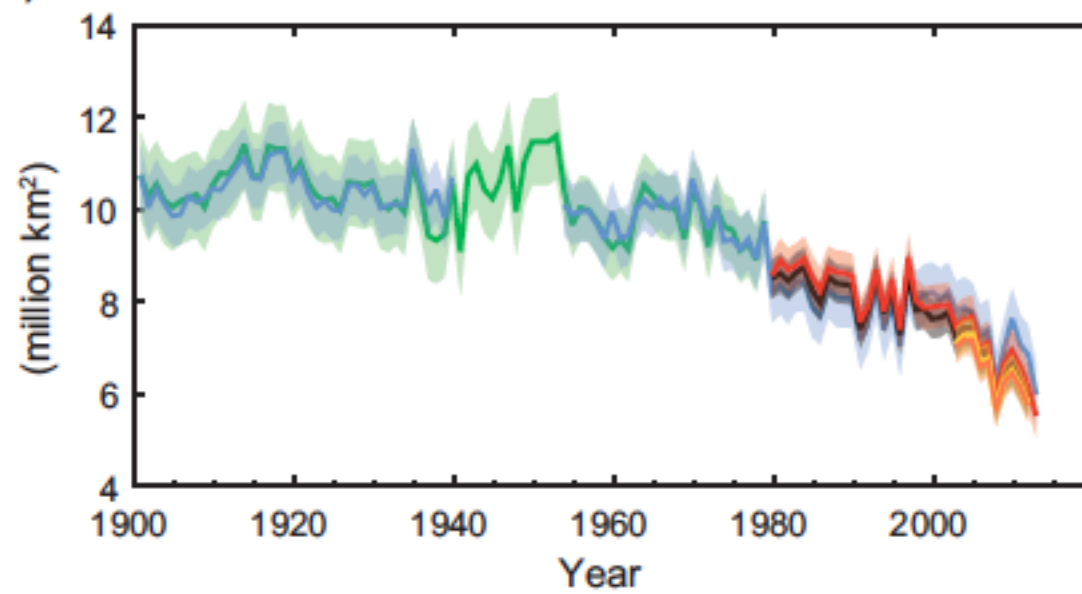


(a) Observed globally averaged combined land and ocean surface temperature anomaly 1850–2012

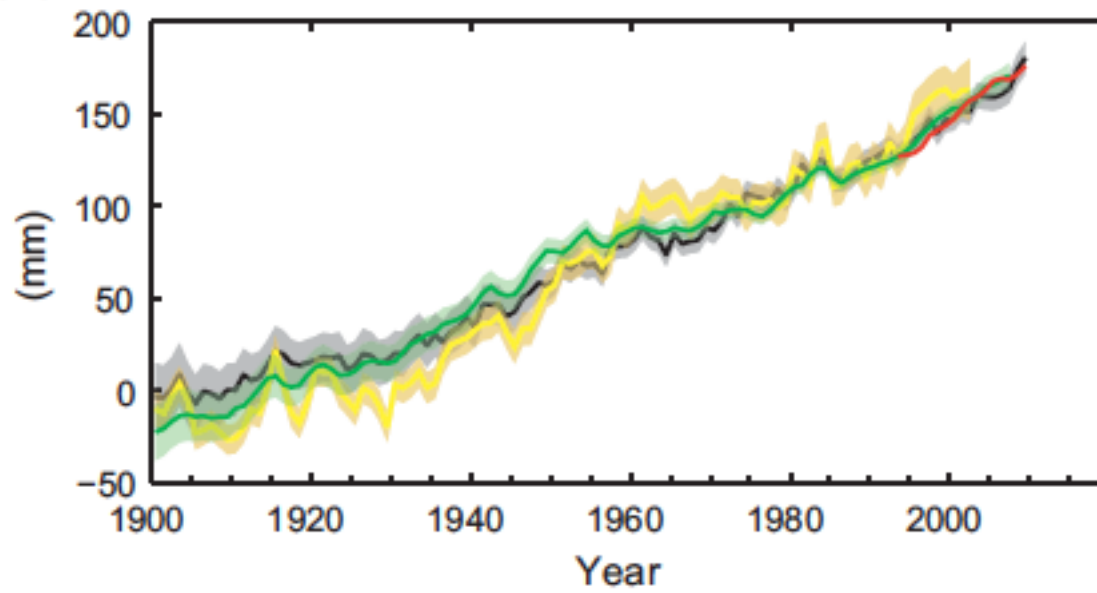


(b)

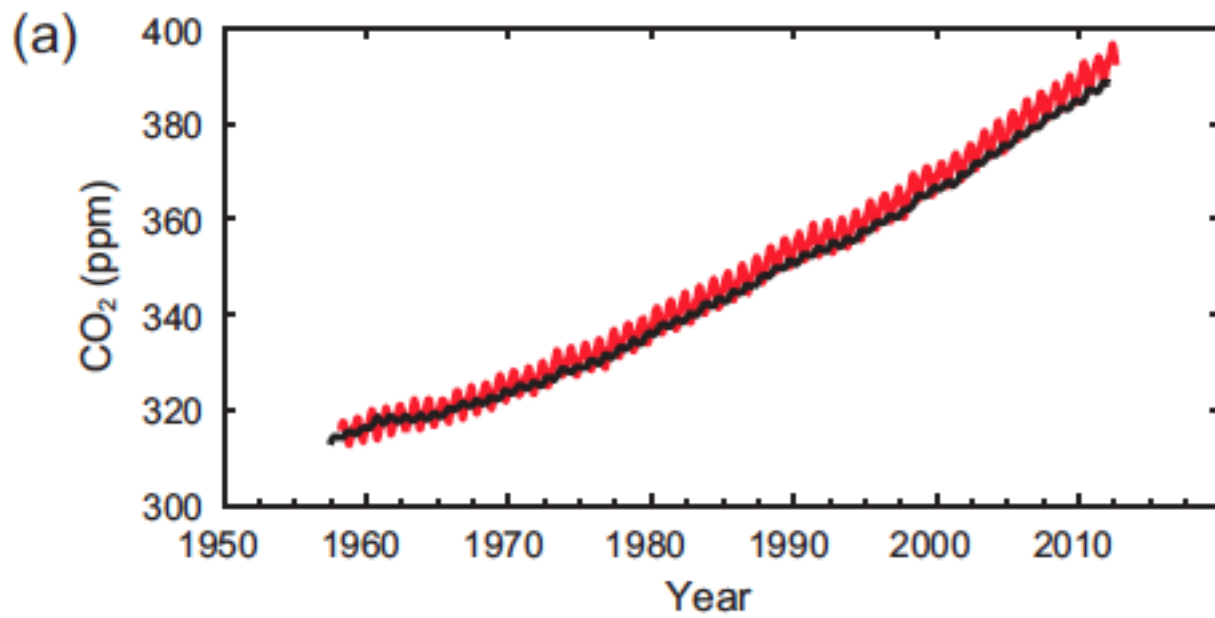
Arctic summer sea ice extent

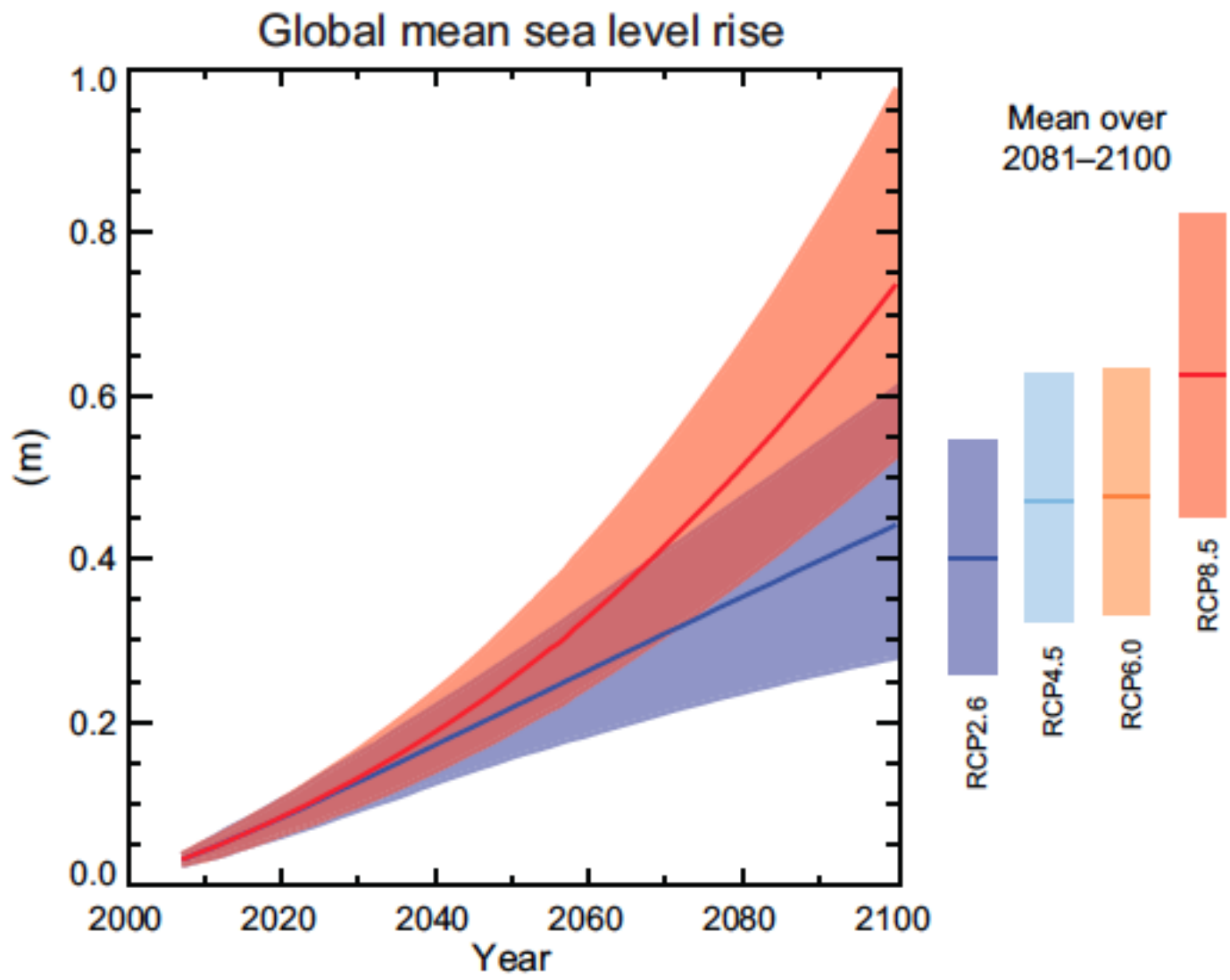


(d) Global average sea level change



### Atmospheric CO<sub>2</sub>





# Surging Seas

Sea level rise analysis by CLIMATE CENTRAL

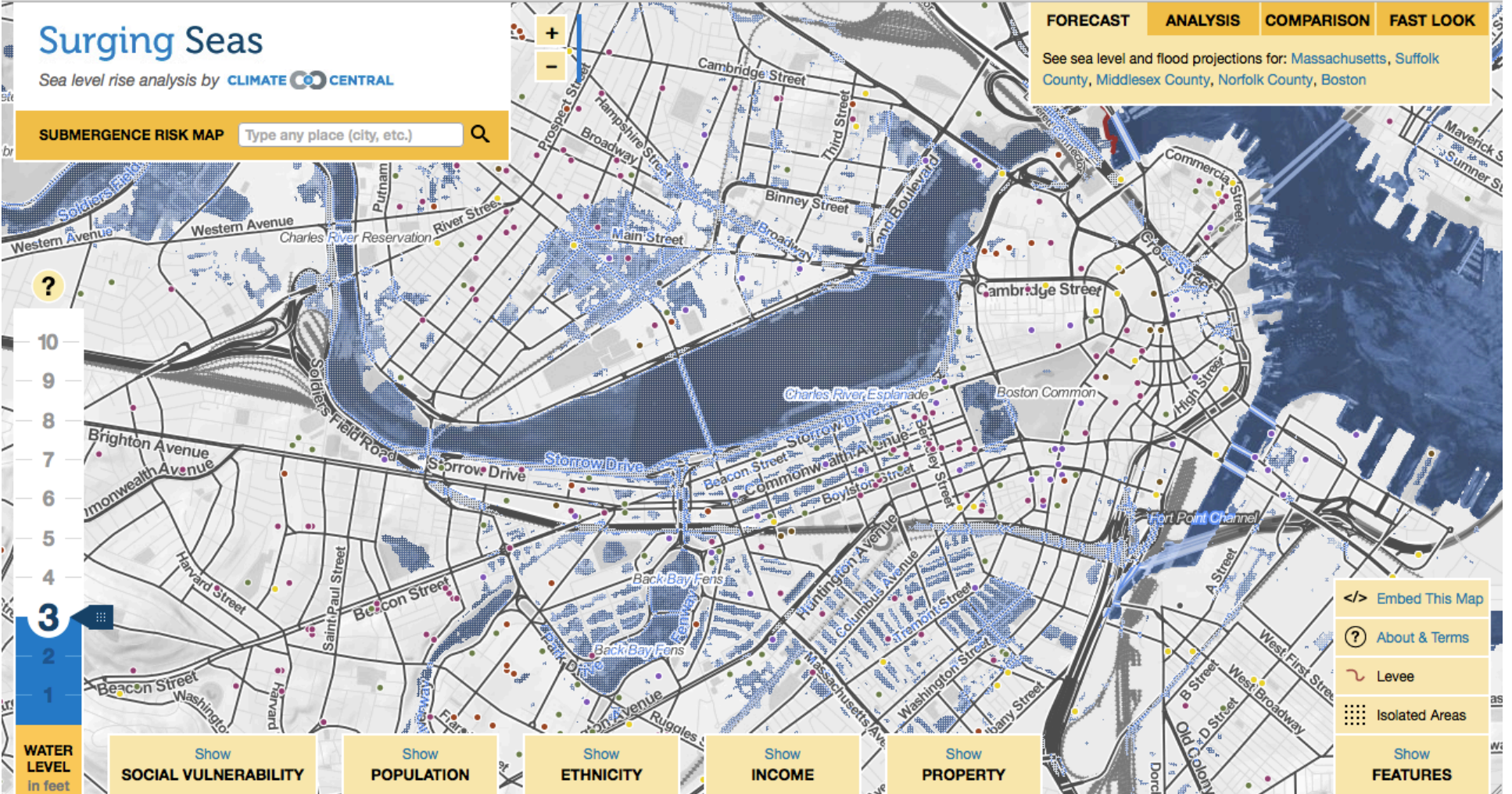
SUBMERGENCE RISK MAP

Type any place (city, etc.)



FORECAST ANALYSIS COMPARISON FAST LOOK

See sea level and flood projections for: Massachusetts, Suffolk County, Middlesex County, Norfolk County, Boston



?

10

9

8

7

6

5

4

3

2

1

WATER LEVEL in feet

Show SOCIAL VULNERABILITY

Show POPULATION

Show ETHNICITY

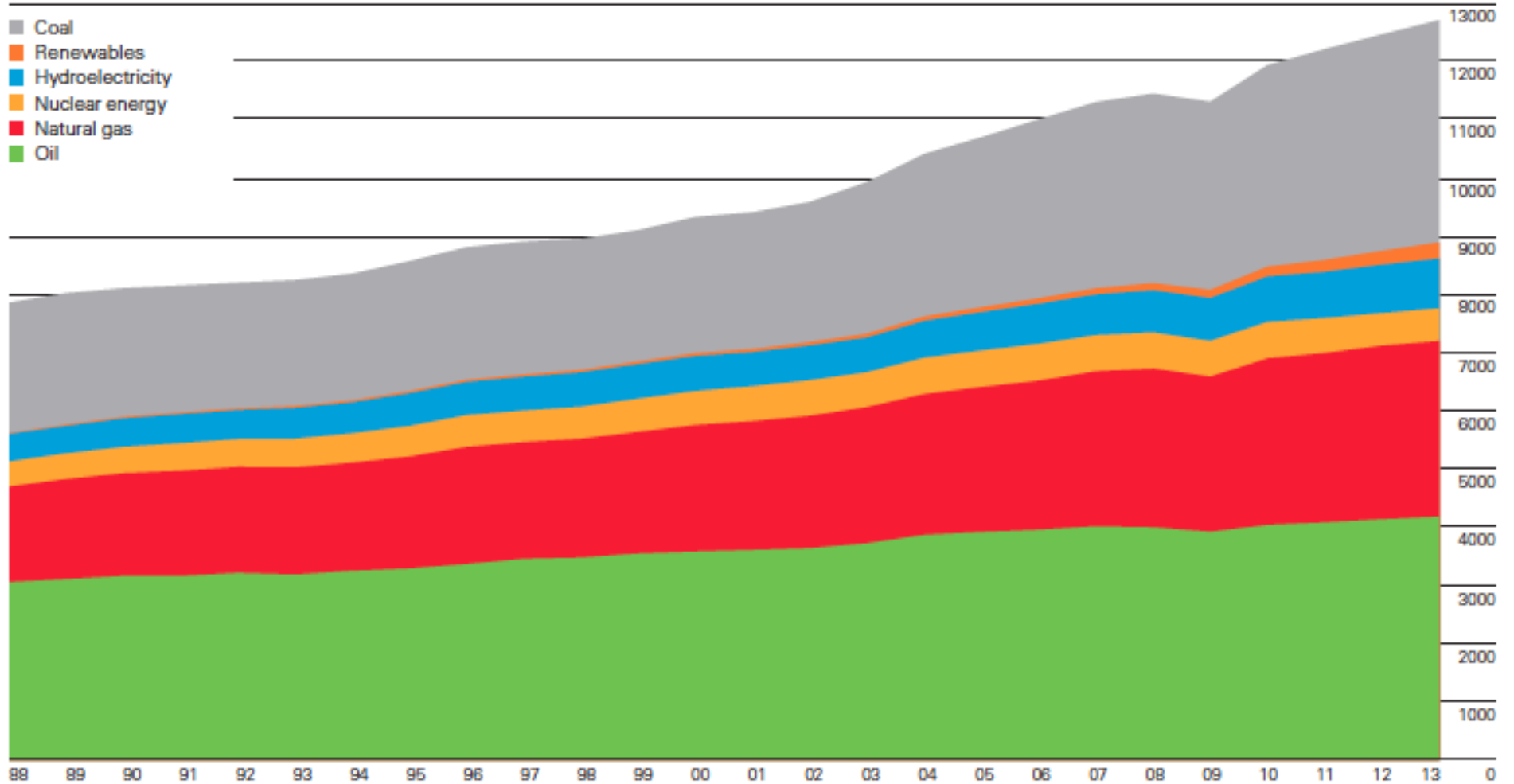
Show INCOME

Show PROPERTY

- Embed This Map
- About & Terms
- Levee
- Isolated Areas
- Show FEATURES

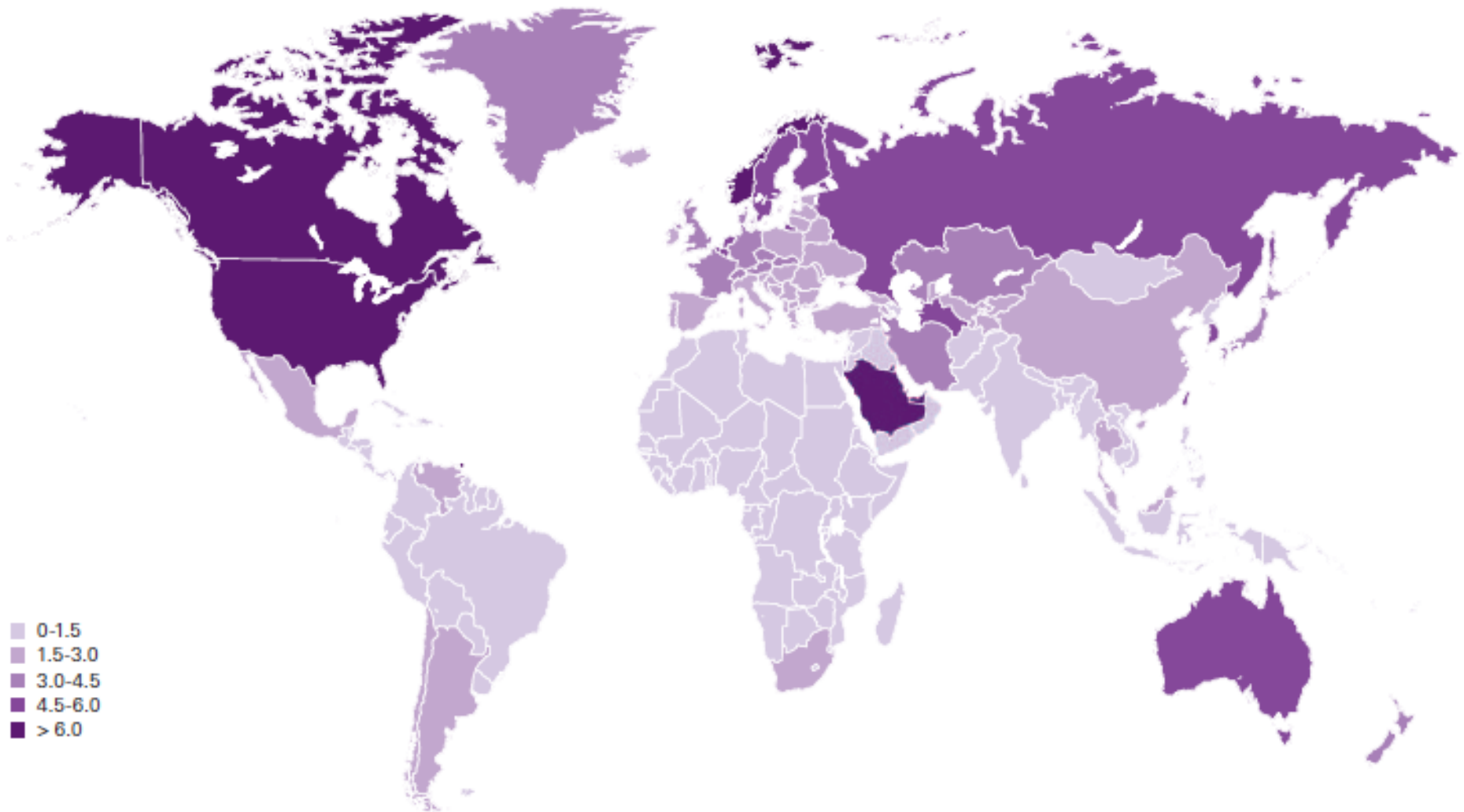
## World consumption

Million tonnes oil equivalent



## Consumption per capita 2013

Tonnes oil equivalent





# 12.000 HW1 Questions

- **What is your opinion of the role nuclear power should and will play in our future? Explain.**
- **At home, how is the household power you consume generated? Any idea what it costs?**

# Question 1 Responses

- “I feel that nuclear energy will play a large role in our energy future... Nuclear power is so efficient for power production that it would be a shame not to exploit its potential as a mostly clean power source.”
- “I do think that nuclear power should be more prevalent as a source of power -- but not without regulation.”

# Question 1 Responses

- “I think that nuclear is our energy future and I think it has the potential to meet all the world's energy needs for a very long time, at least until we find out how to produce energy from nuclear fusion.”
- “I believe that the use of nuclear power will increase as people focus on green technologies and as we begin to run out of fossil fuels. I don't believe we will ever rely on it fully, because of our limited resources of uranium and the issue of toxic waste...”

# Question 1 Responses

- “I believe that nuclear power would become more in use in the future. Although tragedies such as the Fukushima meltdown have occurred in the past, technology will only progress forward and scientists will soon likely to develop a plan that can terminate nuclear reaction before meltdown.”

# Question 1 Responses

- “The energy crisis has no clear resolution. While fossil fuels create harmful emissions that immediately impact the environment, nuclear energy creates a myriad of its own problems... Nuclear power should be minimally used as more time, money, and research should be put into the cleanest alternatives.”

# Question 1 Responses

- “I believe that nuclear power should not play a critical role in the future of our planet... the waste products of nuclear reactions are very dangerous, and it is incredible expensive and hazardous to store radioactive waste. We have seen through the disasters of Chernobyl and Fukushima that accidents in nuclear power plants can be catastrophic and have devastating consequences.”

# Question 1 Responses

- “Nuclear power will likely play a significant role in the future and it should... By the time more nuclear plants are being built, the disposal spots will exist. There needs to be a change in the way we are getting our energy, and nuclear looks like the way to go.”
- “Nuclear power is the future of energy in industrialized countries. With the high energy density of nuclear fuels very little feedstock is needed to produce a large amount of energy as compared to crude oil.”

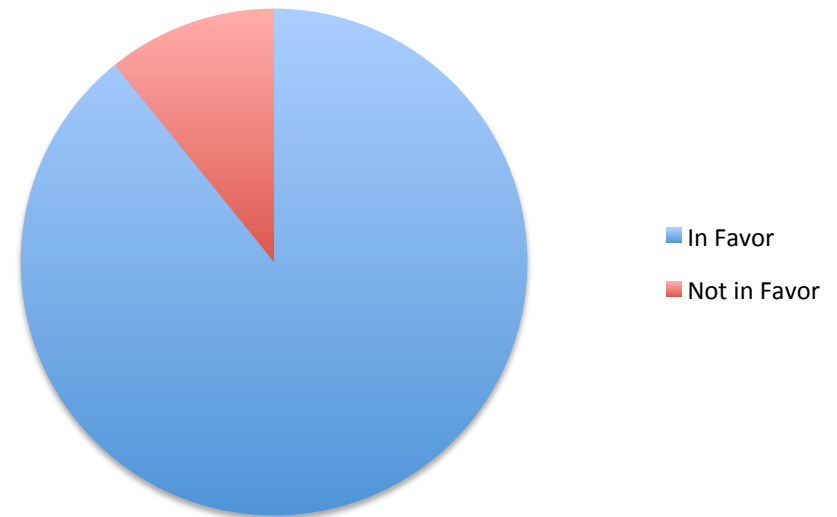
# Question 1 Responses

- “So, do I think nuclear power should play a major part in our energy future? I'd still need to do some research, but based on what I know, hell yes.”



# Question 1 Responses

- 37 Total Responses
- 33 in favor of nuclear energy playing a large role in our planet's energy future.
- 4 believe nuclear energy should play a small or nonexistent role.



# Responses per Time Period

