

Ninth Annual Iowa Hunger Summit

Oct. 13th 2015

Health and Global Change

Dr. Yogi Shah MD, MPH

Des Moines University

Health and (Global) Climate Change

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What would life be like without coffee?

Most consumed coffee species, Arabica, could be extinct in the wild by 2080.

THE LANCET

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www.thelancet.com

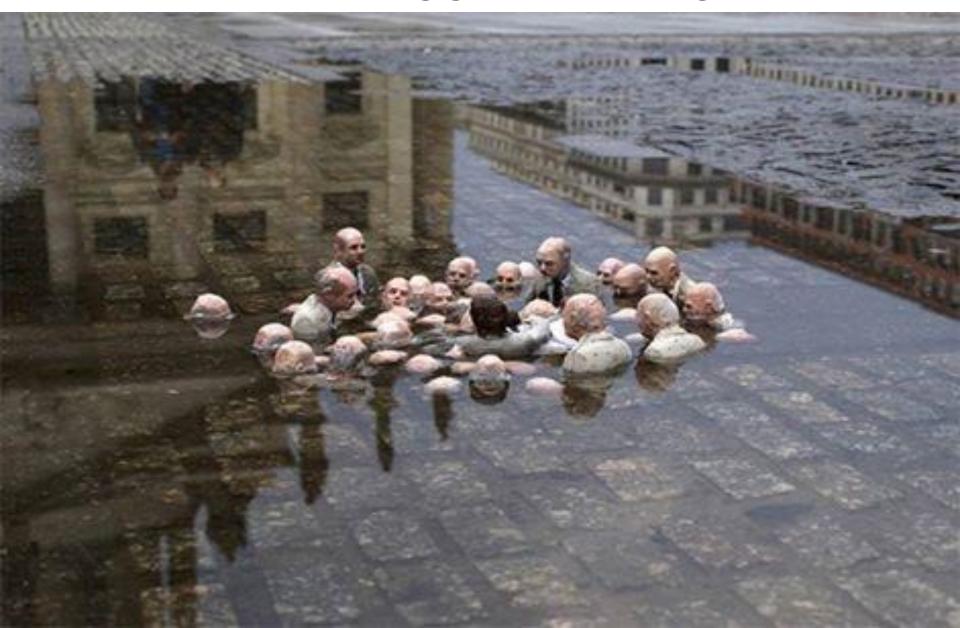
"Climate change is the biggest global health threat of the 21st century."

See The Lancet Commissions page 1693





"Politicians discussing global warming" Source Sierra Club



Impact of Climate Change on Human Health

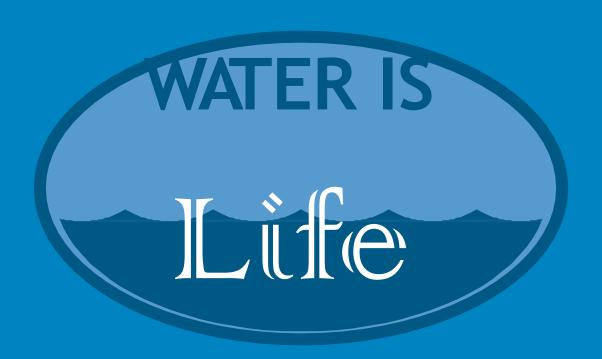
Injuries, fatalities, Asthma, cardiovascular disease mental health impacts Air Severe Malaria, dengue, **Pollution** Weather **Heat-related illness** encephalitis, hantavirus, and death, Rift Valley fever, RISING AURERATURES cardiovascular failure Lyme disease, Changes in Vector chikungunya, Extreme **Ecology West Nile virus** Heat **Increasing** Environ-**Allergens** Respiratory mental Forced migration, Degradation allergies, asthma civil conflict, mental health impacts **Water and Food** Water **Supply Impacts Quality Impacts** Cholera, Malnutrition cryptosporidiosis, diarrheal disease campylobacter, leptospirosis, harmful algal blooms

CDC Climate and Health Program

Water Quality Impacts Water and Food Supply Impacts

MOST VULNERABLE AT MOST RISK

It would take 3 billion gallons of water per day to support 6 billion people



Which is the equivalent of the amount of water used to irrigate the world's golf courses.

http://www.un.org/

Agriculture is the largest user of water, accounting for 70% of total water use.



By 2050, agriculture will need to produce 60% more food globally and 100% more in developing countries to feed the world.

Climage change negatively impacts freshwater sources.



780 million people — 11% of the world

do not have access to an adequate water source.

The average American uses 176 gallons of water per



The average African family uses 5 gallons a day

http://www.lboro.ac.uk

Did you know that the AVERAGE AMERICAN uses



OUR DIETS



634 GALLONS to make one burger



37 GALLONS for one cup of coffee

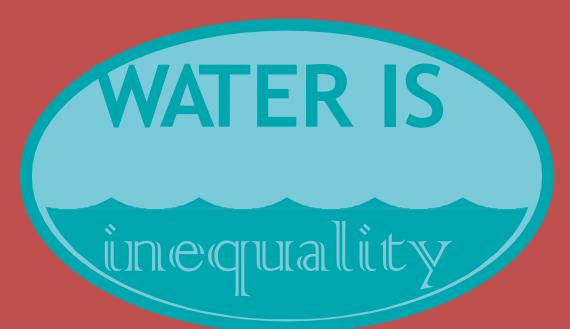


The U.S. footprint is

THE GLOBAL



Over 40 billion work hours are lost in Africa each year-fetch water



African Women walk an average of 3.7 miles to collect water each day and carry 44 pounds of water home on their heads.

http://www.lboro.ac.uk

Diarrhea related to unsanitary water has killed more children than all people lost in battle in World War II.



2,200 children die every day as a result of diarrheal diseases. This amounts to 11% of the 7.6 million deaths of children under the age of five.

YOGESH.SHAH@DMU.EDU