







International Water Issues

An overview and the U.S. Response

Aaron Salzberg

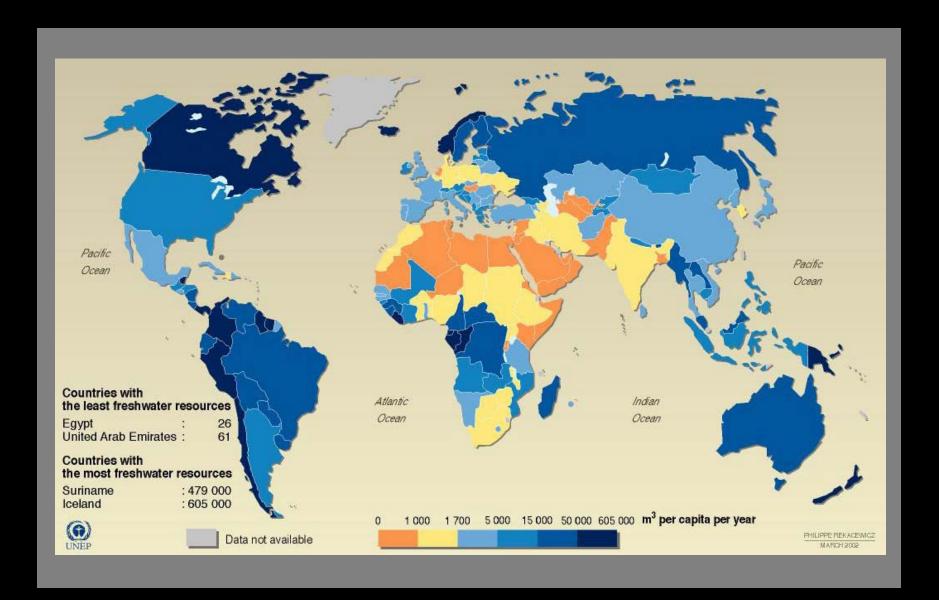
Special Coordinator for Water Resources



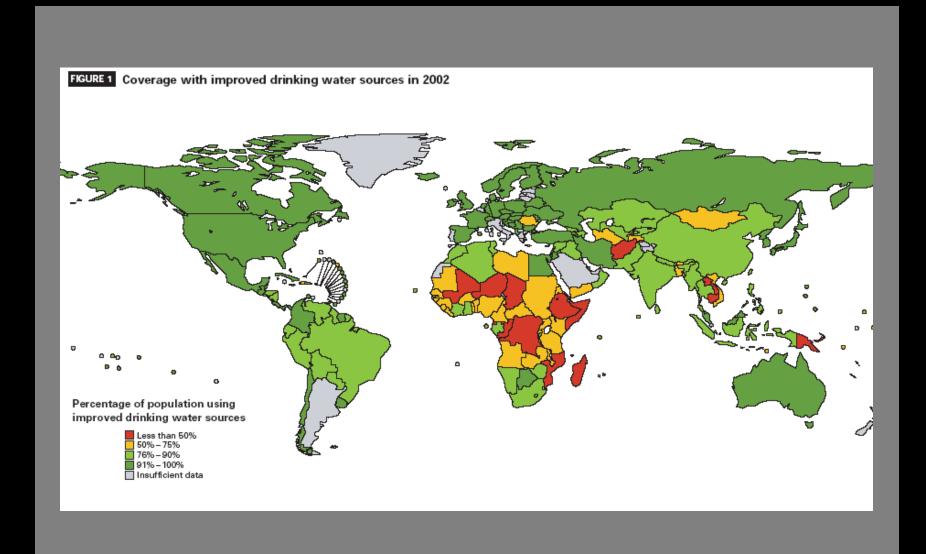
U.S. Department of State

Creating a more secure, democratic, and prosperous world for the benefit of the American people and the international community.

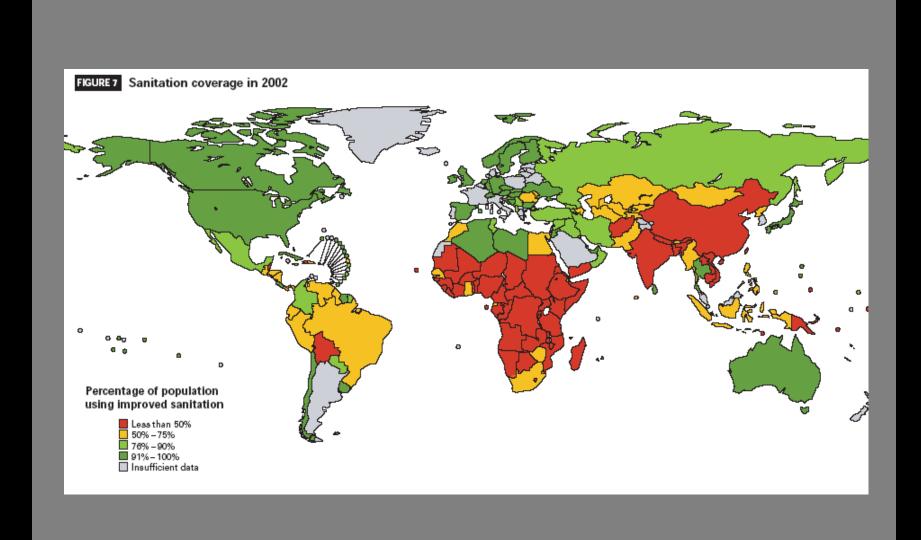
The State of the World



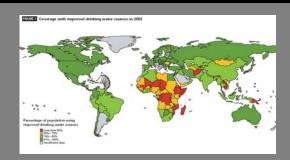


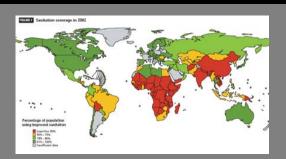


over 1 billion people lack access to safe water



over 2 billion people lack access to sanitation



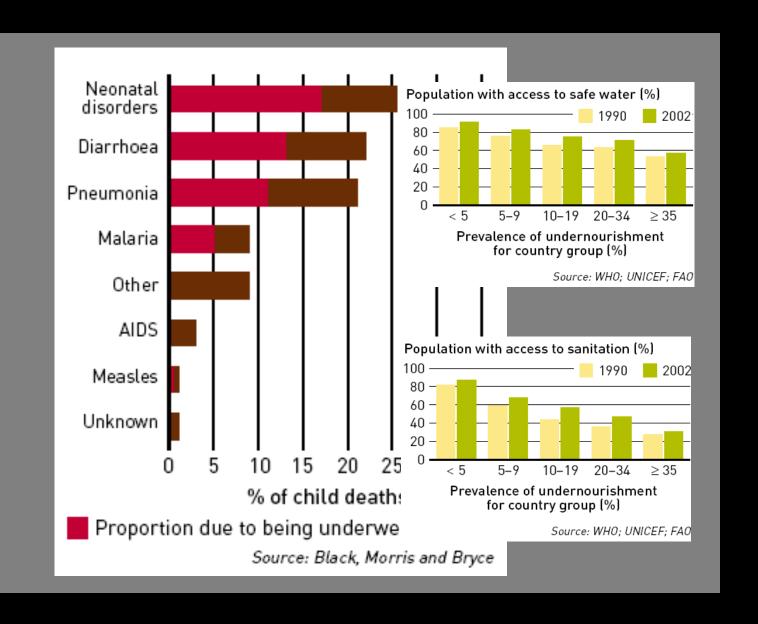


Over 1 billion ill per year

Approximately 1.8-5 million deaths per year

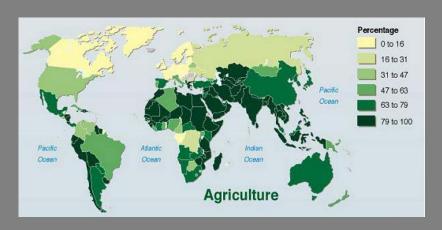
6,000 per day

Most children under 5

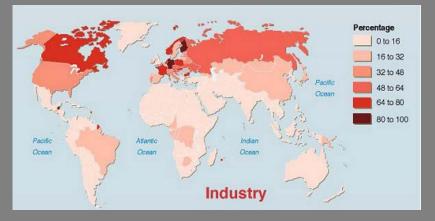


global child deaths by cause







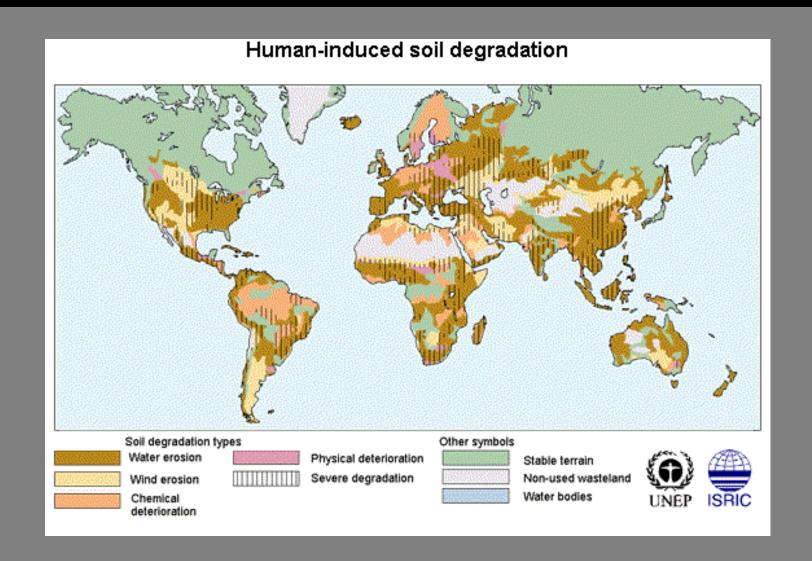


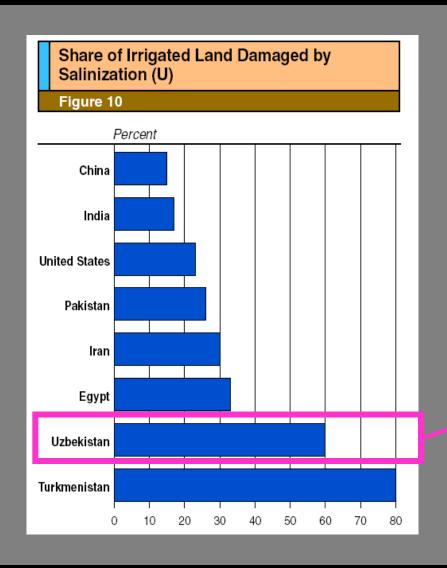
Agriculture is the largest water user

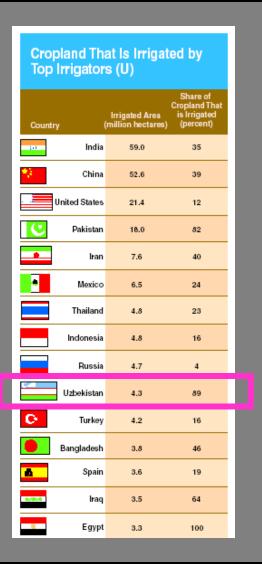
Population in SSA will rise 71%

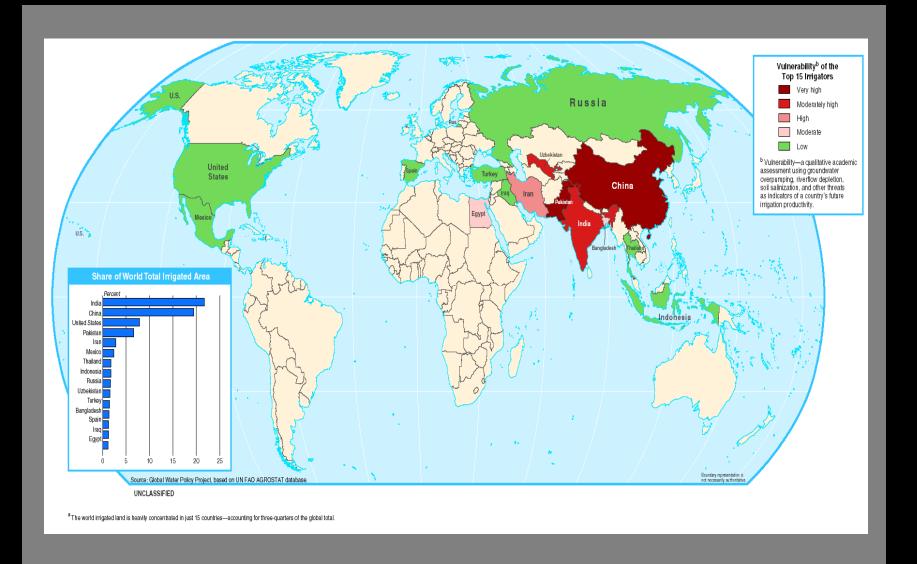
Demand for grain will increase 45%

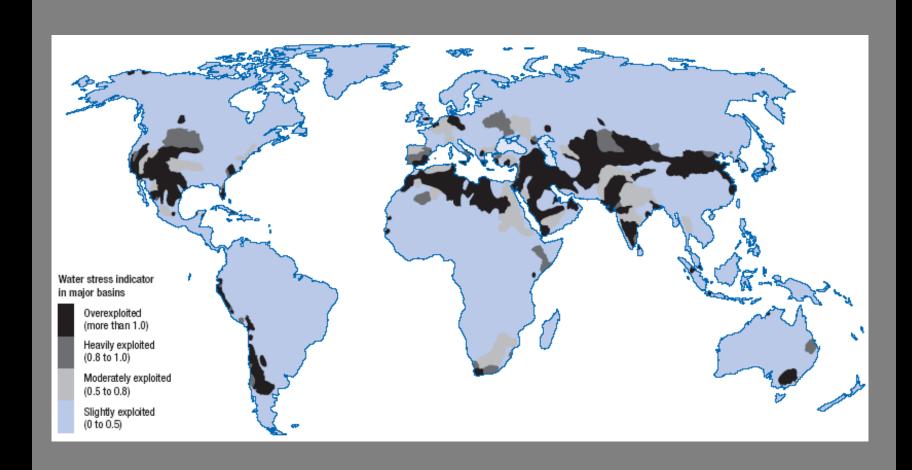
Demand for beef will rise 91%



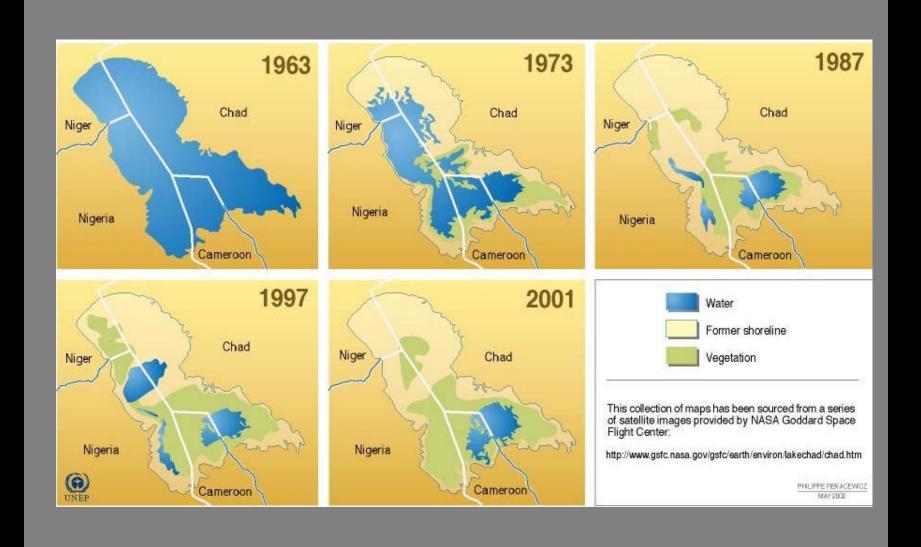




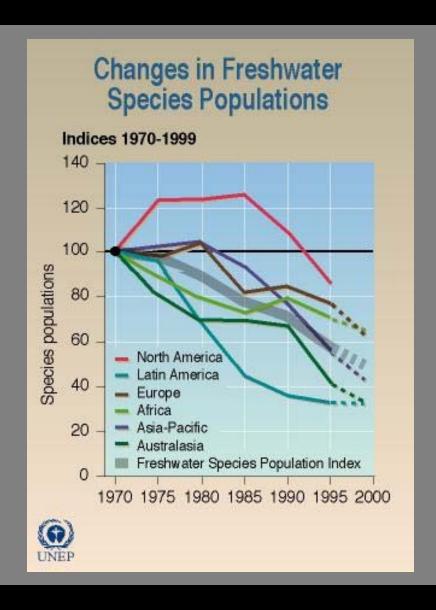




Environmental degradation

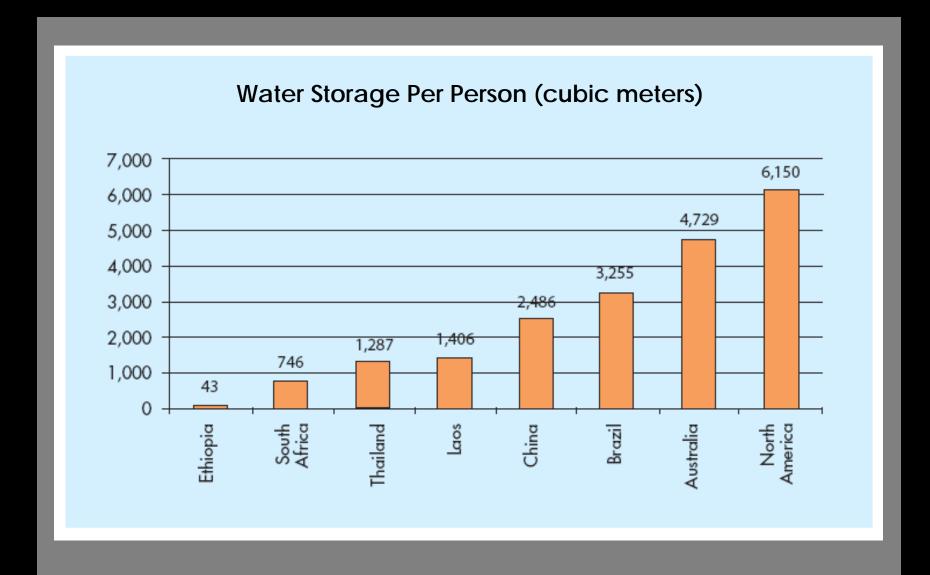


surface water usage increasing

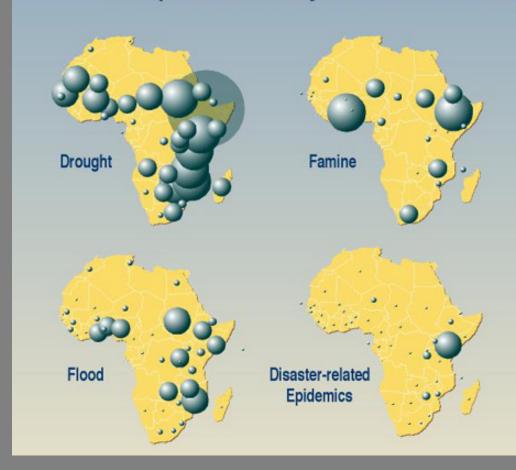


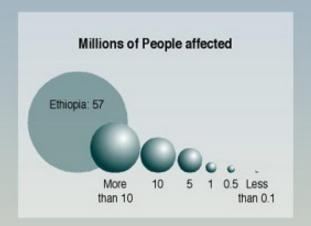
Freshwater species declining

Economic growth / Disaster prevention (why infrastructure matters)



People Affected by Natural Disasters between 1971-2000





Source: The Office of U.S. Foreign Disaster Assistance (OFDA), The Centre for Research on the Epidemiology of Disasters (CRED), International Disaster Database, www.cred.be/emdat, Université Catholique de Louvain, Brussel, Belgium.

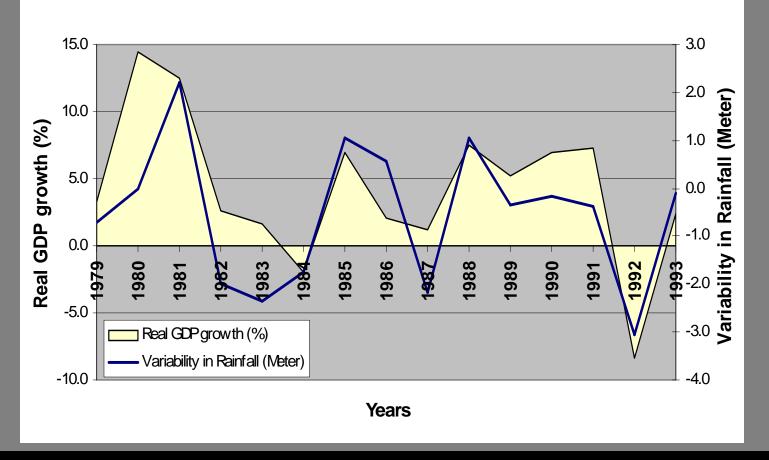




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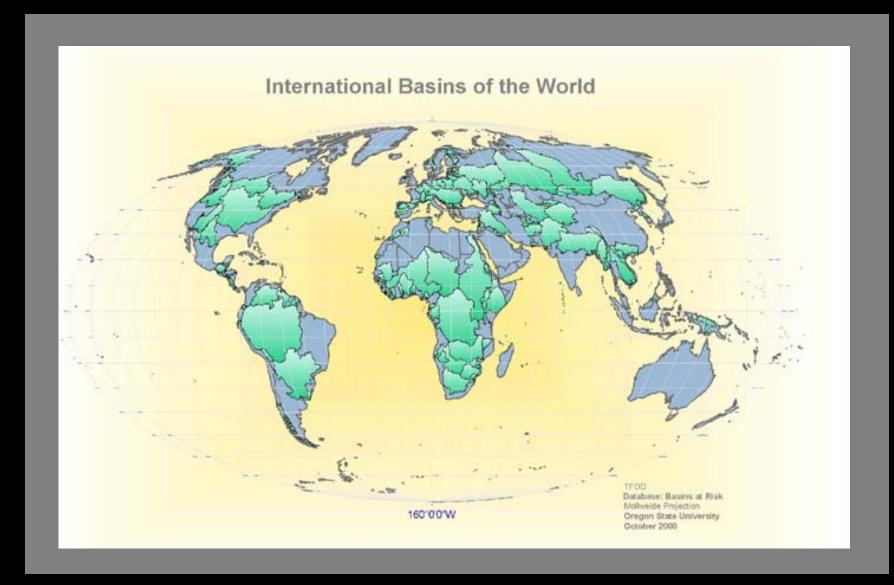
rainfall affects growth....

Correlation between GDP and Rainfall in Zimbabwe 1979-1993

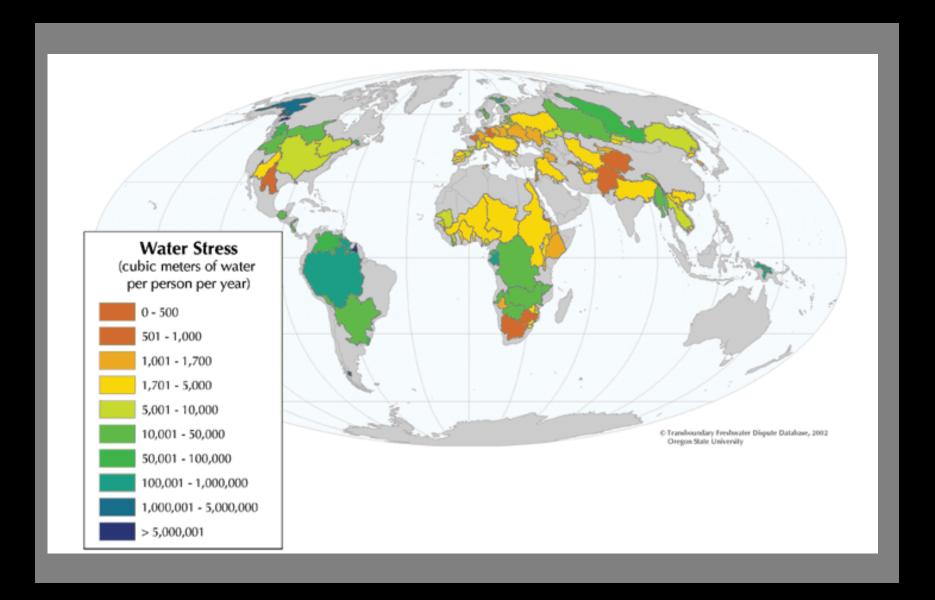


water - economic growth

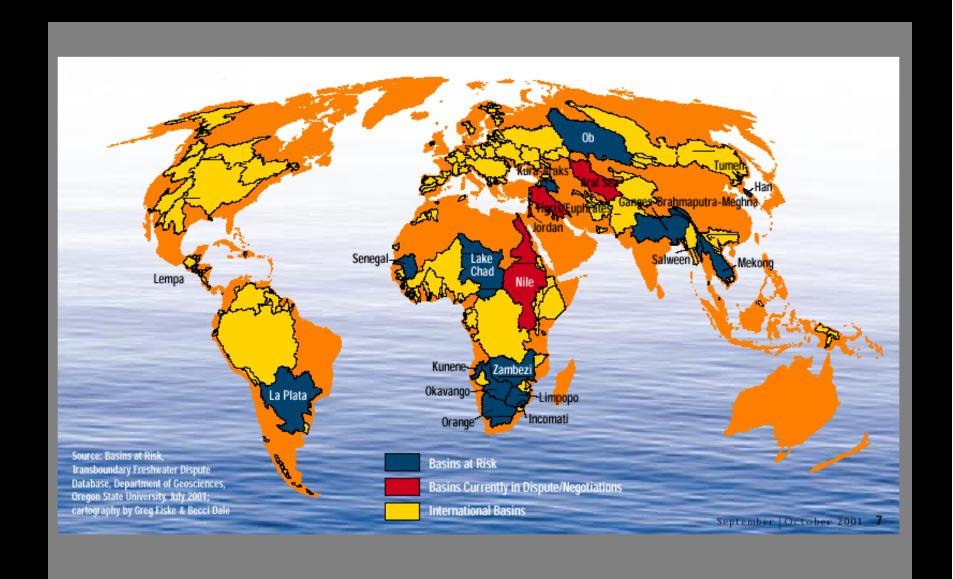
Peace and Security (I.e., Water Wars)



over 40% of the world lives in a shared basin



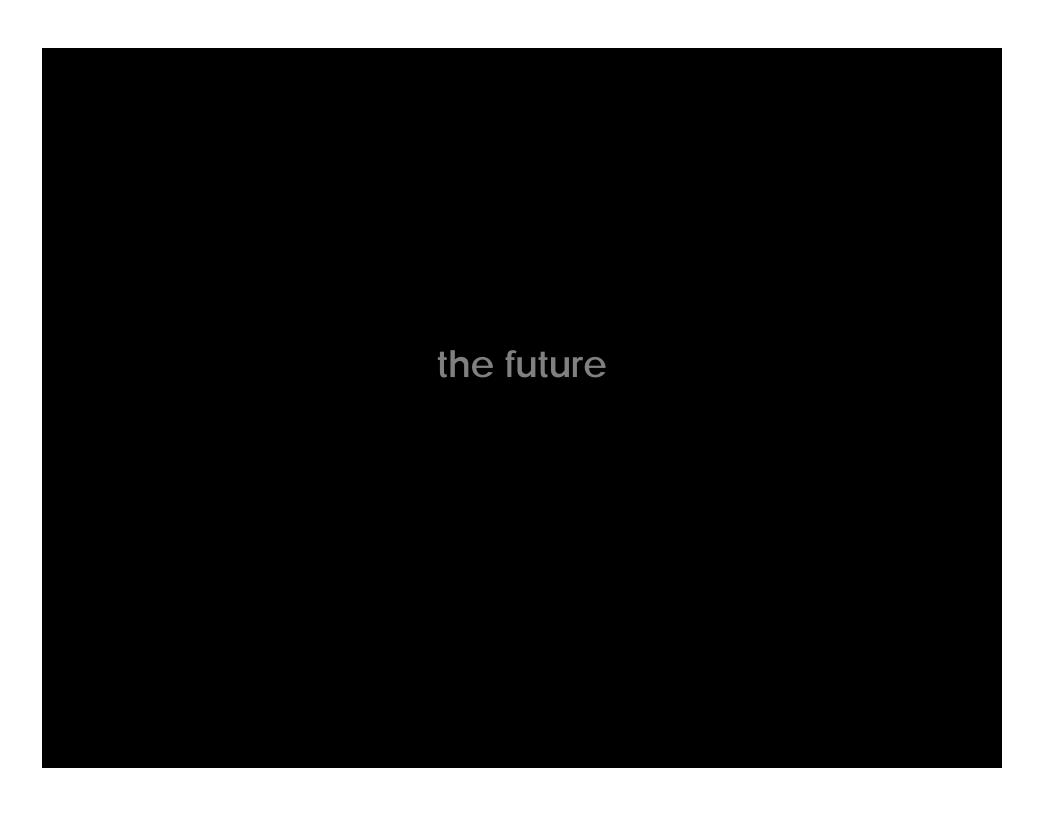
water stress by international basin

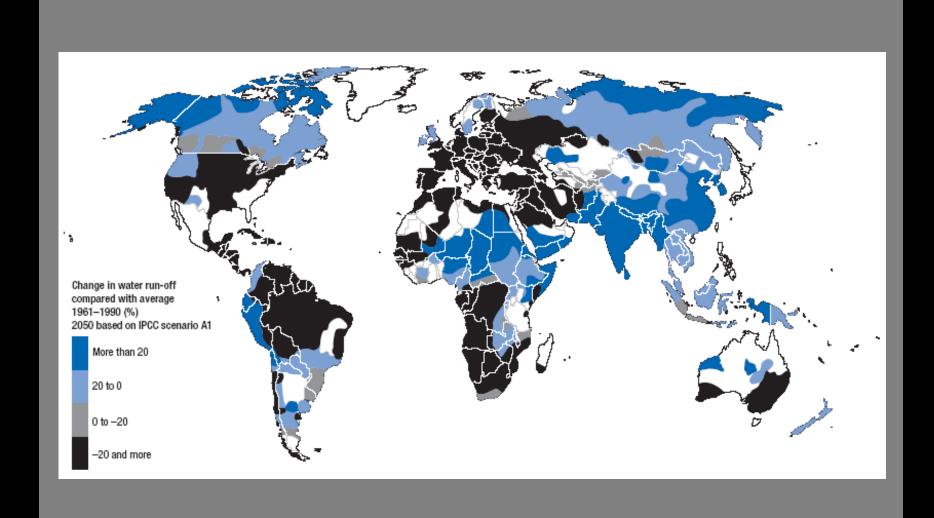


conflict

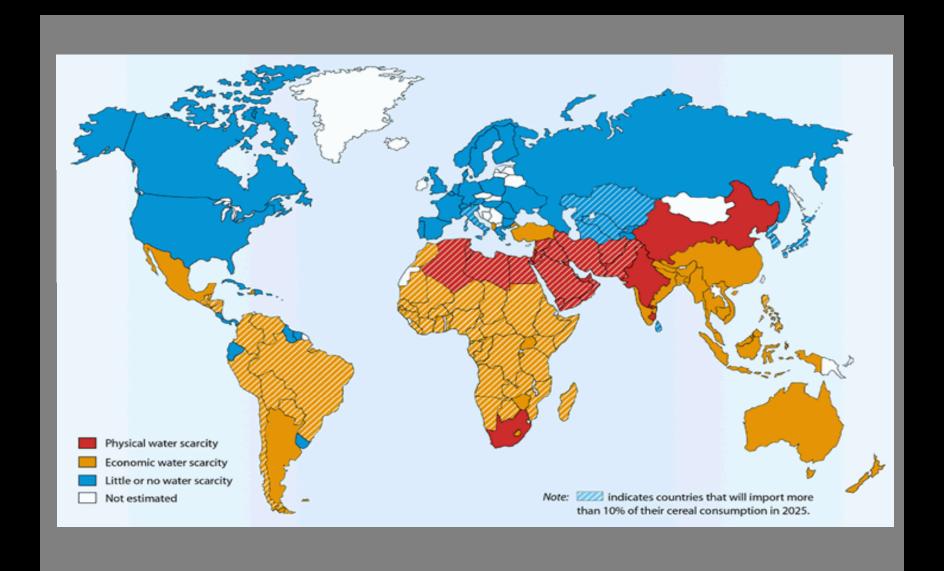
Basic Human Need
Dignity

Economic growth / Poverty reduction
Conflict prevention
Build trust and promote cooperation
Democracy Building





climate change impacts



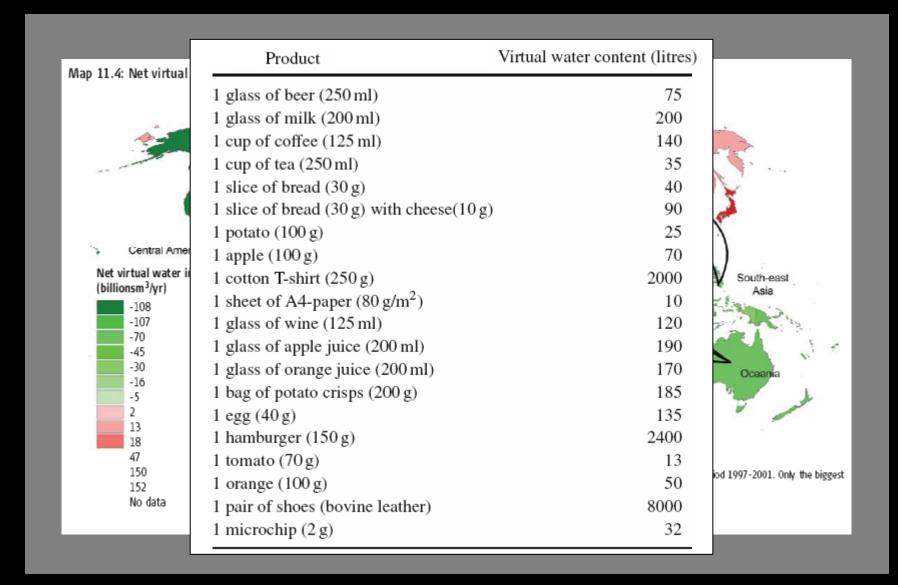
2025: over 1 billion people will face absolute water scarcity

So, you want to work on water (Have we got a job for you!)

Lack of capacity
Lack of resources
Lack of cooperation
Lack of commitment

It's not about water at all

- political will
- governance
- globalization



Trafficking in Water

what are we doing



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109TH CONGRESS 1st Session

HOUSE OF REPRESENTATIVES

REPORT 109-260

SENATOR PAUL SIMON WATER FOR THE POOR ACT OF 2005

OCTOBER 28, 2005.—Committed to the Committee of the Whole House on the State of the Union and ordered to be printed

Mr. Hyde, from the Committee on International Relations, submitted the following

REPORT

[To accompany H.R. 1973]

[Including cost estimate of the Congressional Budget Office]

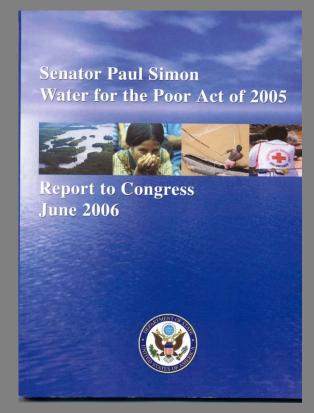
The Committee on International Relations, to whom was referred the bill (H.R. 1978) to make access to safe water and sanitation for developing countries a specific policy objective of the United States foreign assistance programs, and for other purposes, having considered the same, reports favorably thereon with an amendment and recommends that the bill as amended de pass.

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THE AMENDMENT

The amendment is as follows: Strike all after the enacting clause and insert the following:



www.state.gov/g/oes/water

The Senator Paul Simon Water for the Poor Act of 2005

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REPORT

(a) Strategy.—The President, acting through the Secretary of State, shall develop a strategy to further the United States foreign assistance objective to provide affordable and equitable access to safe water and sanitation in developing countries, as described in section 135 of the Foreign Assistance Act of 1961, as added by section 5(a) of this Act.

THE AMENDMENT

The amendment is as follows: Strike all after the enacting clause and insert the following:

And Continued the American And American American



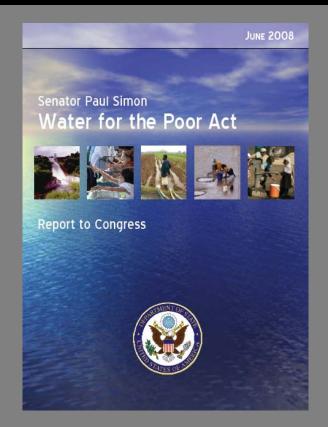
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www.state.gov/g/oes/water

Water Security

Reliable and sustainable access to an acceptable quantity and quality of water to meet human, livelihood, ecosystem, and production needs while reducing the risks of extreme hydrological events to people, the environment, and economies

U.S. Water Vision



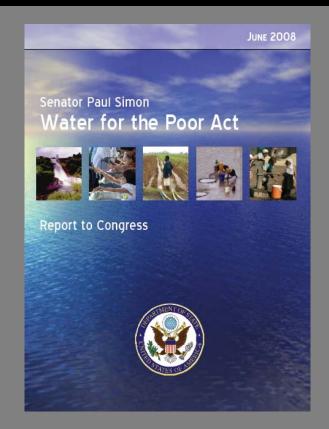
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www.state.gov/g/oes/water

- Increase access to safe drinking water and sanitation
 - Improve water resources management
- Increase the productivity of water resources

U.S. Objectives



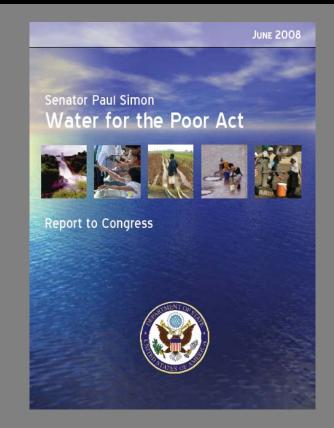
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www.state.gov/g/oes/water

- Capacity building, institutional strengthening, and regulatory policy reform
 - Diplomatic engagement
 - Direct investment
 - Investments in S&T
 - Working in Partnership

U.S. Approach



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www.state.gov/g/oes/water

- Improving water quality, infrastructure, storage, and conservation
- Increasing food productivity
- Enhance forecasting

Improving Food Security



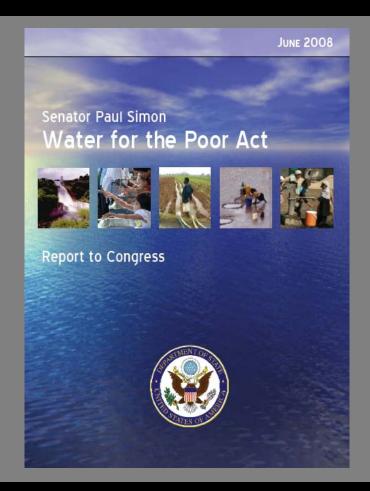
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www.state.gov/g/oes/water



Ranthambore 2006