

GLOBAL HEALTH & SECURITY

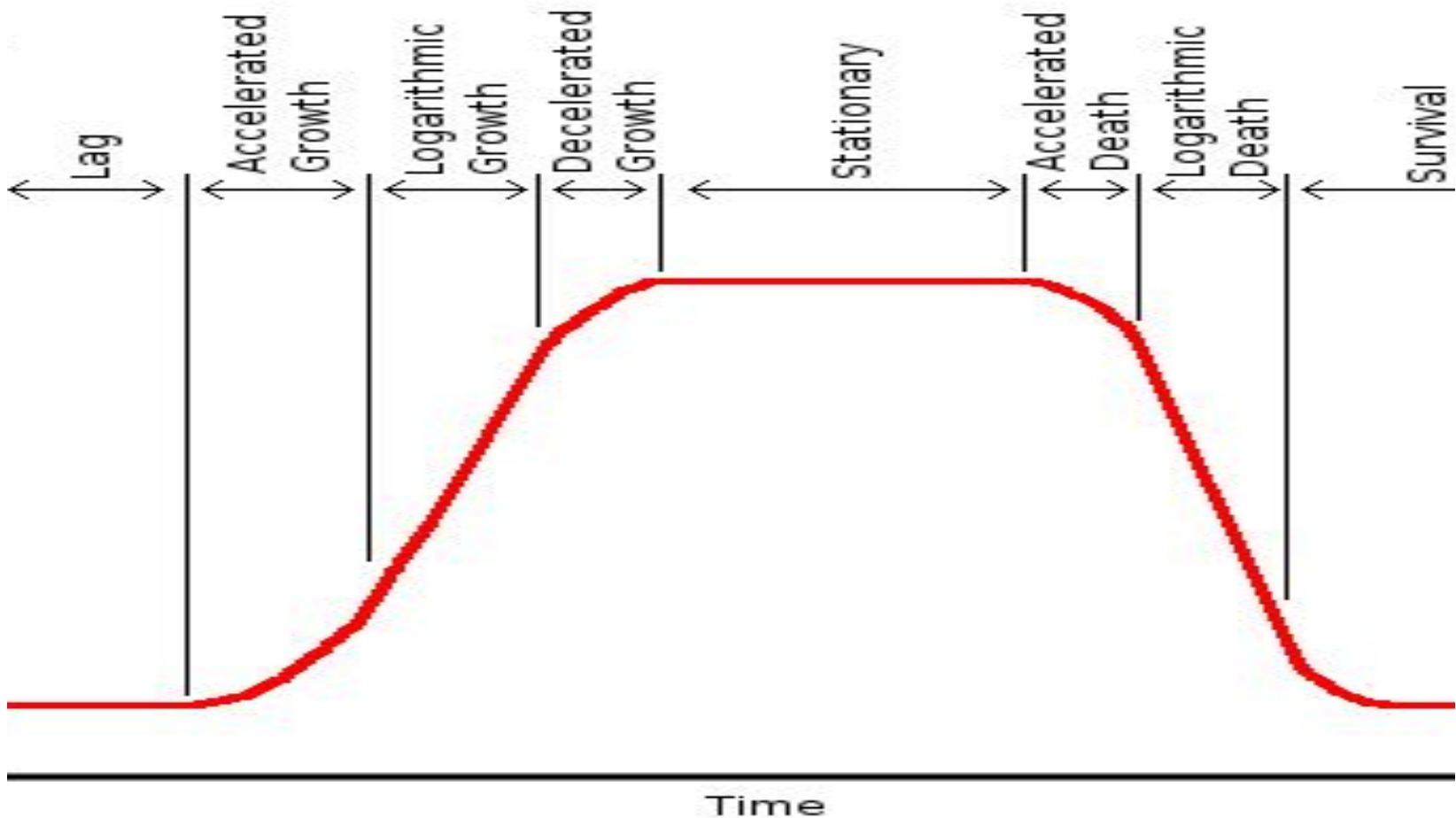
Violence: A Global Public Health Challenge

*From Sabers to Scalpels:
Transforming the Military Industrial Complex
into the
Human Security Network*

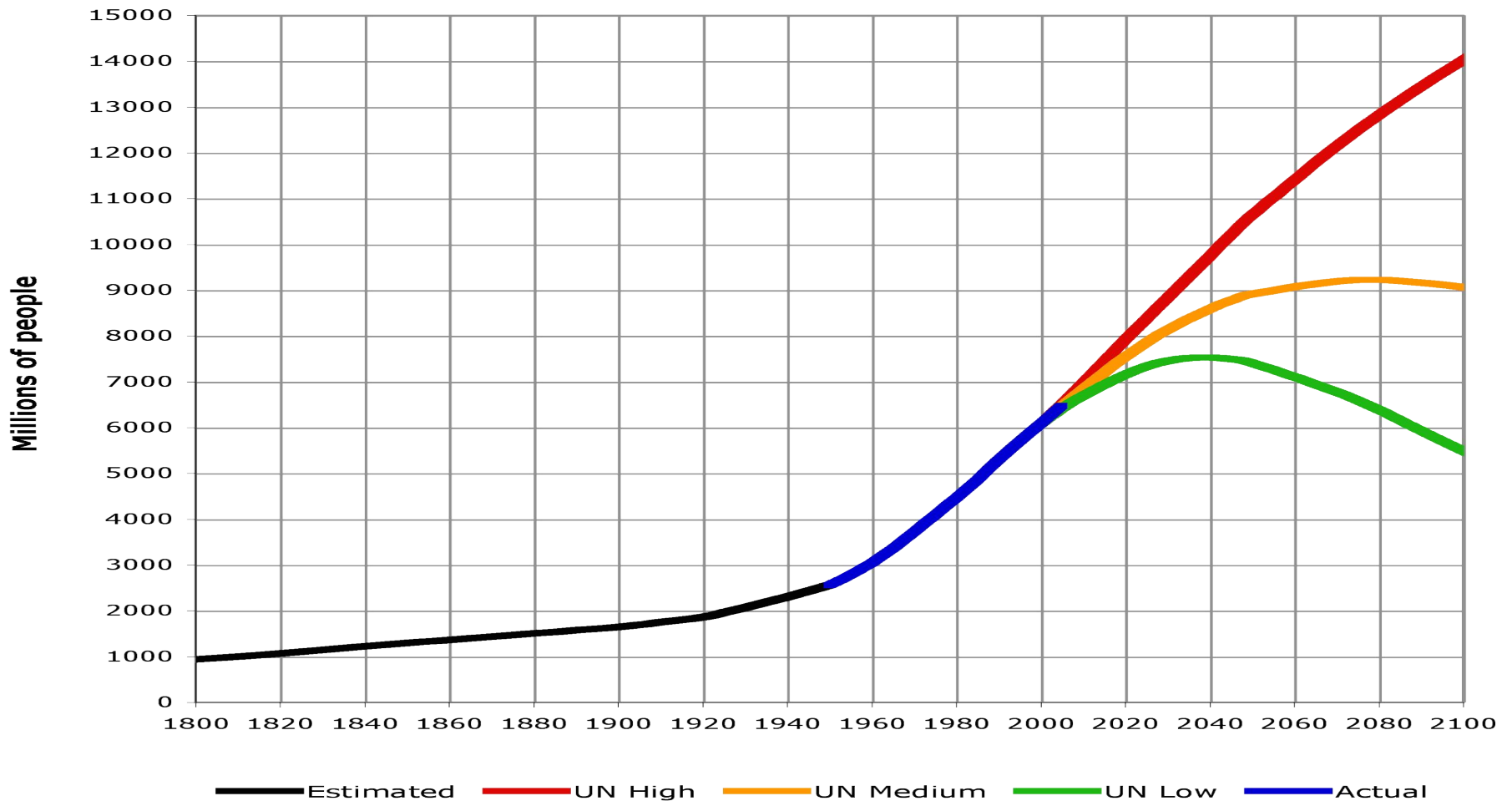




Micro-organism growth finite media



Human Population Growth



Health of the Globe (*Global Health*)

1. **We are surrounded by a lot of empty space**
2. **Our “natural resources” are fixed** (and therefore finite)
3. **We have been preceded by other life forms** (that have died off)
4. **We will likely be followed by other life forms** (when we die off)
5. **Longevity of food chains depend on reduction/elimination of unnecessary waste.**
6. **How we interact with each other** (all other carbon based life) **will determine our ability to extend our “stationary” population**

Nation-states

- **Man-made**
- **Evolve over time**
- **Seek to optimize resources and meet minimal needs of citizens**

- **Efficacy of feedback loop determines ability government to survive environmental and demographic change**

What is violence?



The Feedback Loop

- **(G)overnments are instituted among Men, deriving their just powers from the consent of the governed; that **whenever any form of government becomes destructive of these ends, it is the right of the people to alter or to abolish it,** and to institute new government, laying its foundation on such principles, and organizing its powers in such form, as to them shall seem most likely to effect their safety and happiness.**

Classic Westphalia Sovereignty



Might Makes Right

Basic Military Models

Standing Army

- Professional army
- Continuous activation
- Top down chain of command
- Investment and risk determined by national leadership
- Centralized power
- Necessary for attack or power projection

Local Militia

- Citizen-Soldier
- Episodic activation
- Collective decision making
- Investment and risk determined on individual basis
- Decentralized power
- Sufficient for defense or insurgency

The 20th Century Paradigm Shift



Article 2

The Organization and its Members shall act in accordance with the following Principles...

- **All Members shall refrain in their international relations from the threat or use of force against the territorial integrity or political independence of any state, or in any other manner inconsistent with the Purposes of the United Nations.**

United Nations Concept

• A
p
t

**Collective reason defines
“Right”**

g





The first is freedom of speech and expression -- everywhere in the world



The second is freedom of every person to worship God in his own way -- everywhere in the world

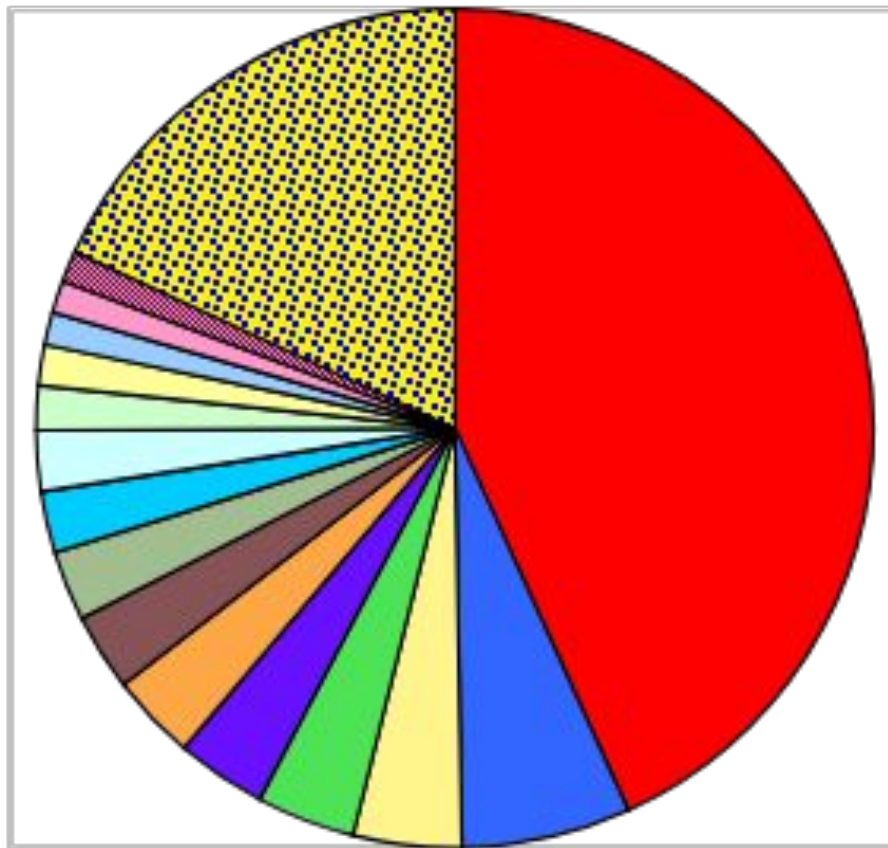


The third is freedom from want, which, translated into world terms, means economic understandings which will secure to every nation a healthy peacetime life for its inhabitants -- everywhere in the world.



The fourth is freedom from fear, which, translated into world terms, means a world-wide reduction of armaments to such a point and in such a thorough fashion **that no nation will be in a position to commit an act of physical aggression against any neighbor -- anywhere in the world.**

Global Weapons Expenditures



- USA
- China
- France
- UK
- Russia
- Japan
- Germany
- S Arabia
- India
- Italy
- Brazil
- S. Korea
- Canada
- Australia
- Spain
- R.O.W.

Battle of the Narrative



Cold War ~ Continual Wartime Footing

Every gun that is made, every warship launched, every rocket fired signifies, in the final sense, a theft from those who hunger and are not fed, those who are cold and are not clothed.

This world in arms is not spending money alone. It is spending the sweat of its laborers, the genius of its scientists, the hopes of its children.

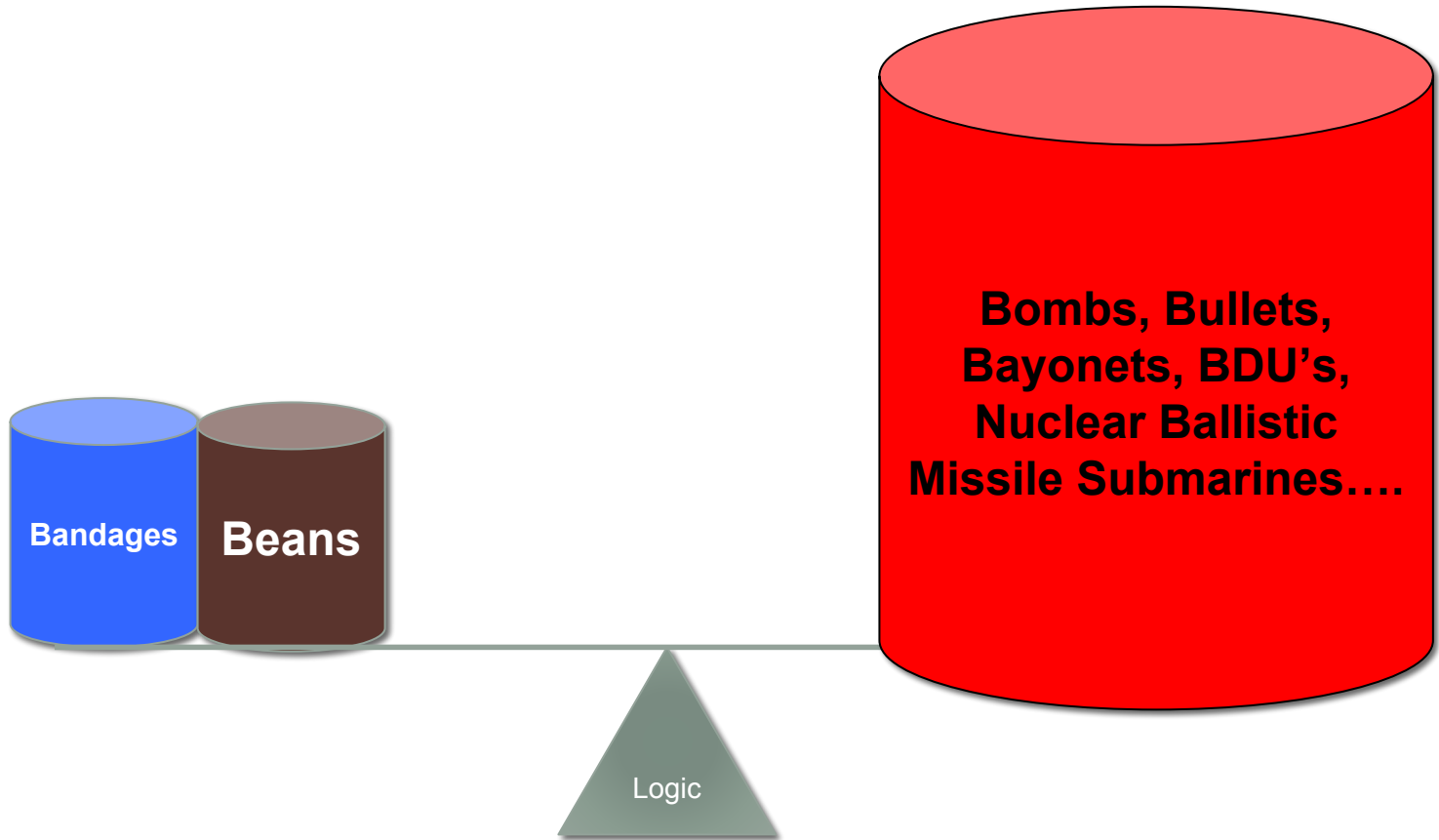
Faustian Bargain

The cost of one **number** is this:

- A modern bridge **than 30 cities.**
- It is **two elect** **each serving a**
town of 60,000
- It is **two fine,** **pitals.**
- It is some **fifty** **pavement.**



Cold War Decision




Basic Military Models

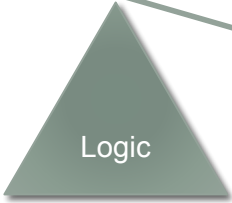
Standing Army

- Professional army
- Continuous activation
- Top down chain of command
- Investment and risk determined by national leadership
- Centralized power
- Necessary for attack or power projection

Citizen Militia

- Armament citizenry
 - Episodic activation
 - Collective decision making
 - Investment and risk determined by individual basis
 - Decentralized power
 - Sufficient for defense or insurgency
- 

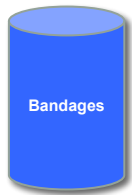
Military Industrial Complex



Cold War Logic (1945-1990)

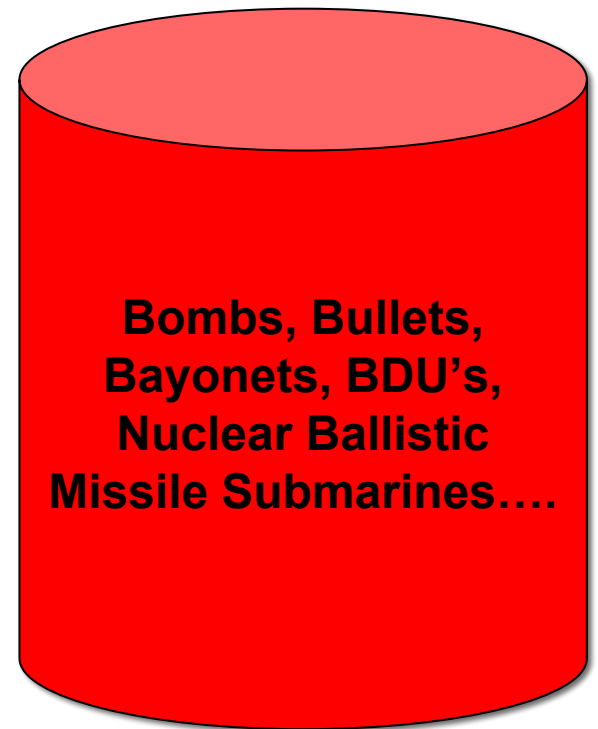


Less than 10% of population in agriculture



Young healthy population

Jobs, technological advancements,
sovereignty, economic access, jobs,
new markets, jobs, arms races, jobs,
planned obsolescent product, jobs,
profits, jobs, votes...



It worked

- Employment
- Profits
- Microwave ovens
- Stealth airplanes
- Night vision goggles
- Fertilizers
- Pesticides
- GMO
- Television
- Computers
- Long lasting batteries
- Cell phones

We Win!!!

- **Soviet Union collapses!**
 - **Saddam Hussein defeated in 72 hours**
 - **1990 – 2000 unprecedented prosperity and growth**
- in the **UNITED STATES**

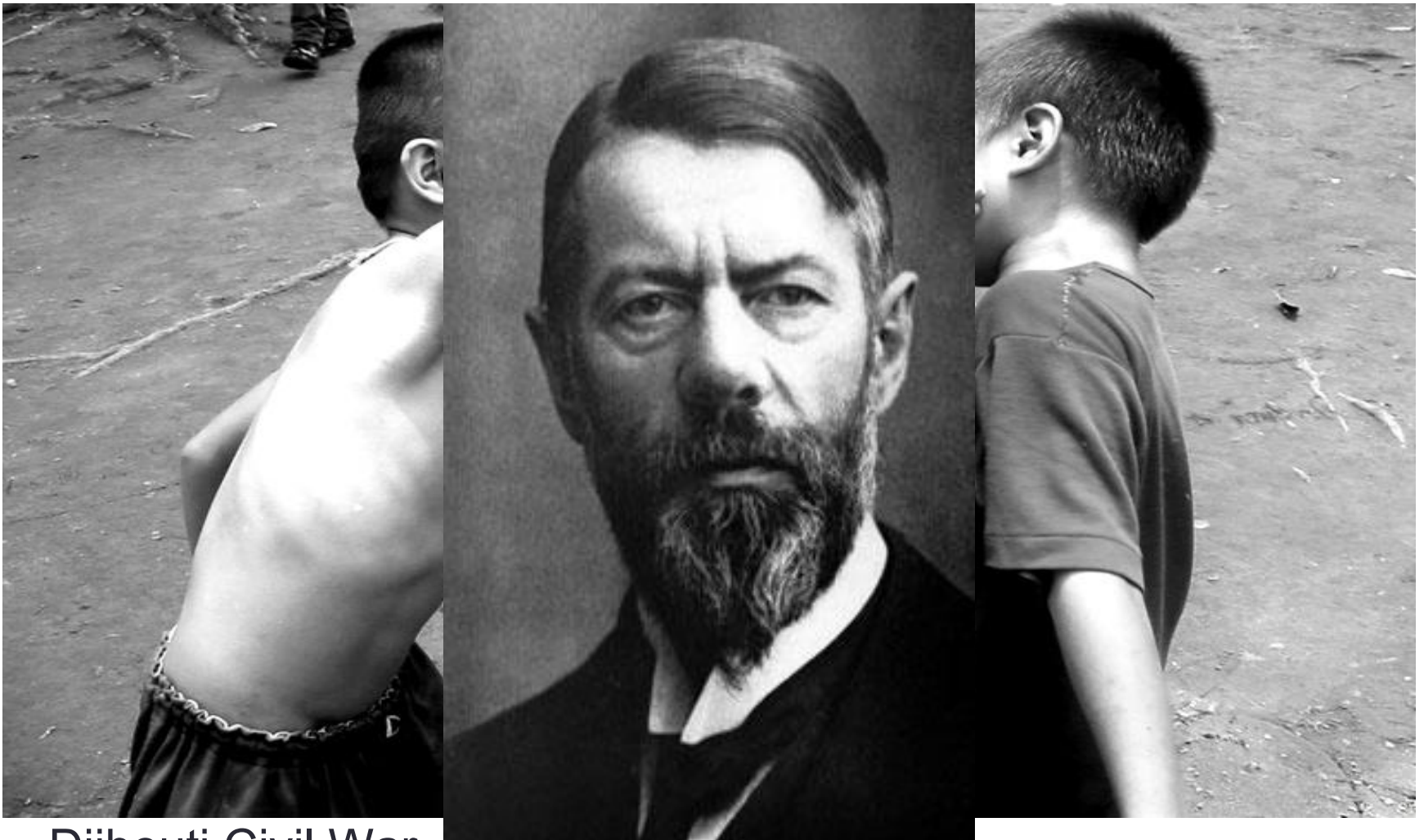
The Economic Consequences of the Peace



Losers Weepers

- Russia
- Estonia
- Armenia
- Lithuania
- Georgia
- Kyrgyzstan
- Uzbekistan
- Kazakstan
- Turkmenistan
- Moldova
- Tajikistan
- Belarus

Hegelian Synthesis (1990 – 2000)



- Djibouti Civil War
Tuareg Rebellion

UN Headquarters USA

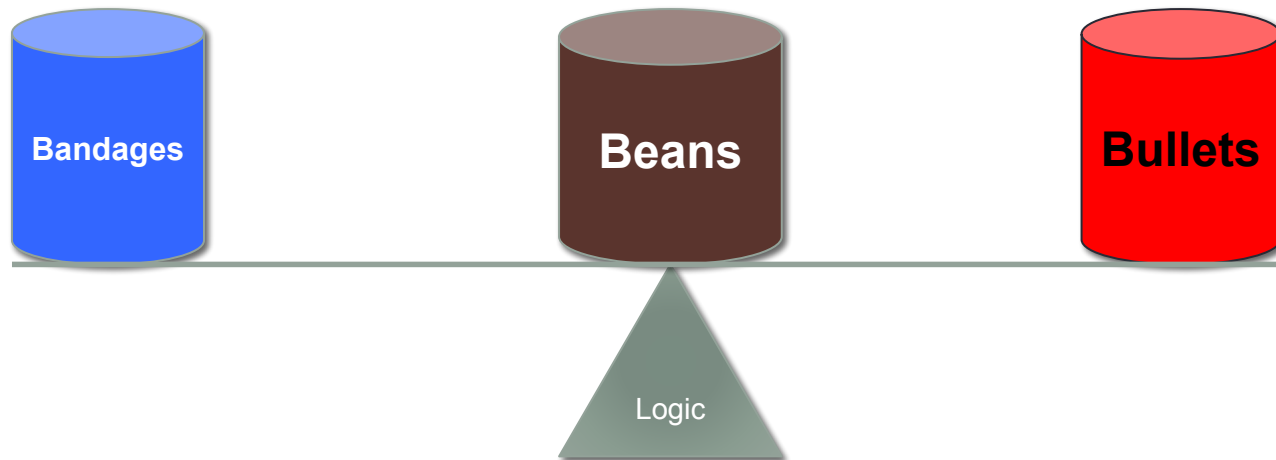
6- 8 September 2000 NY,



Millennium Development Goals

- *“By the year 2015, world leaders also resolve to halve the proportion of people with income of less than one dollar a day and of those suffering from hunger and lack of safe drinking water; to ensure equal access to all levels of education for girls and boys and primary schooling for all children everywhere; to reduce maternal mortality by three quarters; and to begin to reverse the spread of HIV/AIDS, malaria and other major diseases.”*

Balanced Approach



11 September 2001 NY, USA

A little
too little
too late...



Super Saturated Shock



“Letter to the American people”

- The blood pouring out of Palestine must be equally revenged.
- You attacked us in Somalia; you supported the Russian atrocities against us in Chechnya, the Indian oppression against us in Kashmir, and the Jewish aggression against us in Lebanon.
- You steal our wealth and oil at paltry prices because of your international influence and military threats.
- Your forces occupy our countries; you spread your military bases throughout them
- You have starved the Muslims of Iraq, where children die every day. It is a wonder that more than 1.5 million Iraqi children have died as a result of your sanctions, and you did not show concern.

Why are we fighting and opposing you?

- The American people have the ability and choice to refuse the policies of their Government and even to change it if they want.
- The American people are the ones who pay the taxes which fund the planes that bomb us in Afghanistan, the tanks that strike and destroy our homes in Palestine, the armies which occupy our lands in the Arabian Gulf, and the fleets which ensure the blockade of Iraq.
- This is why the American people cannot be not innocent of all the crimes committed by the Americans and Jews against us.

Negative feedback loop

- But when a long train of abuses and usurpations, pursuing invariably the same object, evinces a design to reduce them under absolute despotism, it is their right, it is their duty, to throw off such government, and to provide new guards for their future security.

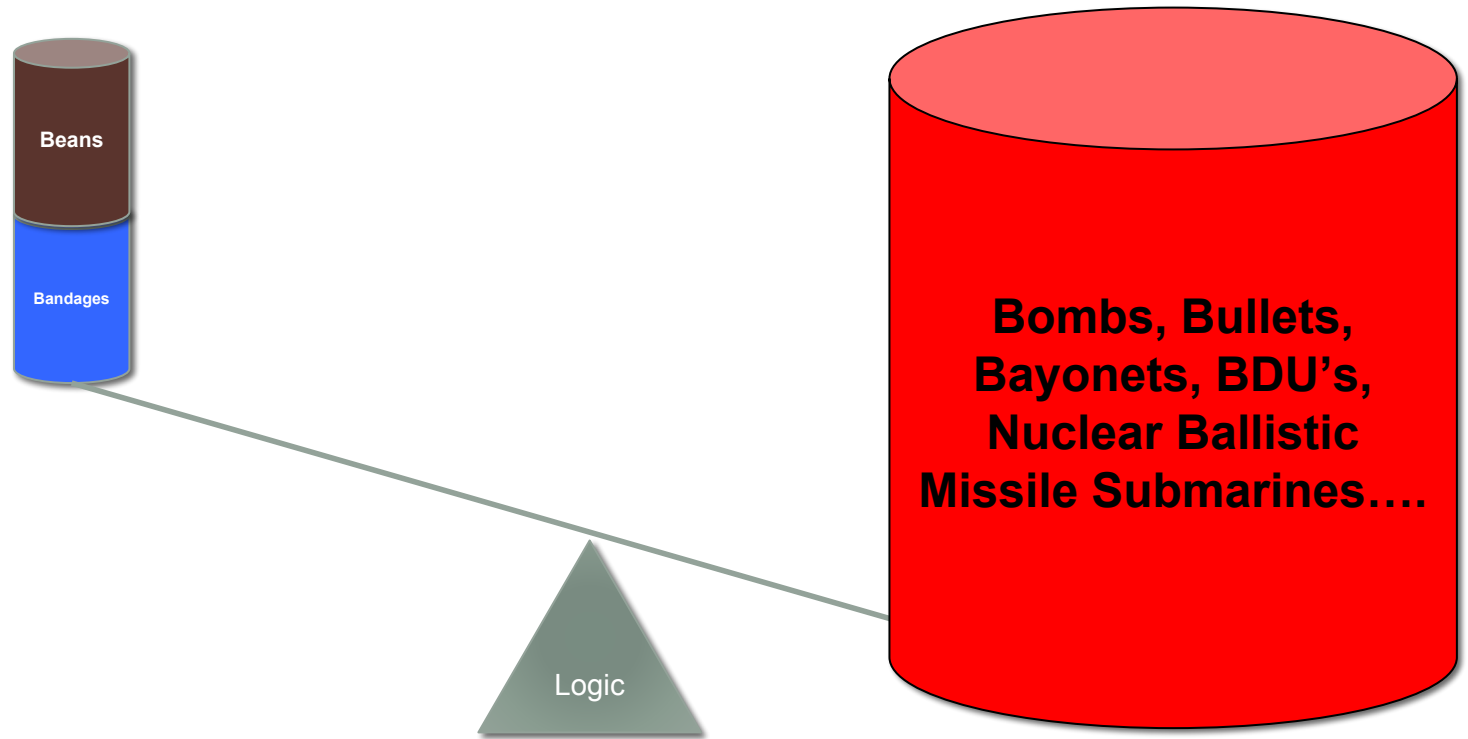
2002 National Security Strategy

- **“(A) world where some live in comfort and plenty, while half of the human race lives on less than \$2 per day, is neither just nor stable. Including all of the world’s poor in an expanding circle of development and opportunity is a moral imperative and one of the top priorities of U.S. international policy.”**

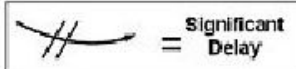
World Poverty Summit 2002

- **“We fight against poverty because hope is an answer to terror. We fight against poverty because opportunity is a fundamental right to human dignity. We fight against poverty because faith requires it and conscience demands it. We fight against poverty with a growing conviction that major progress is within our reach.”**

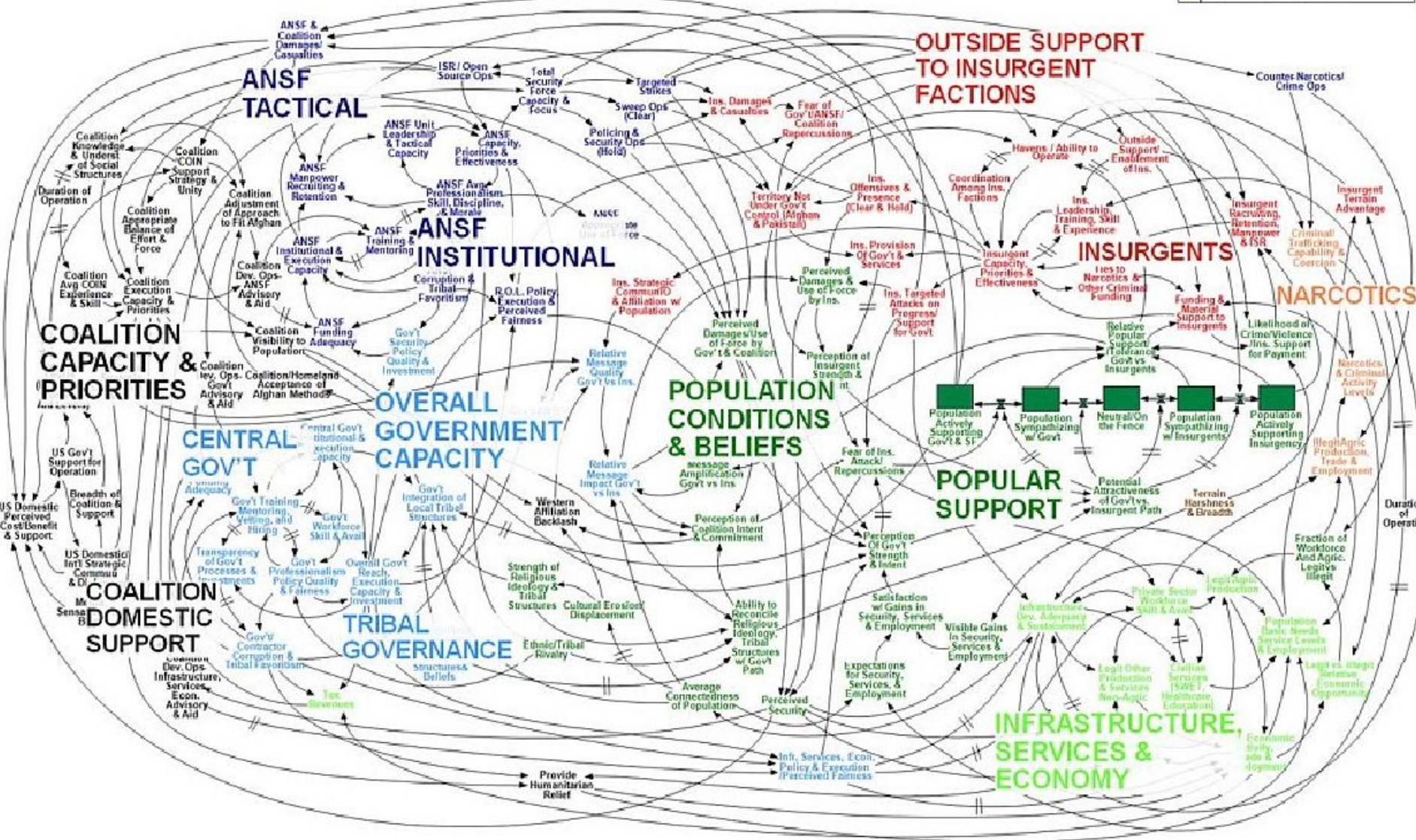
But when all you have is hammers



Afghanistan Stability / COIN Dynamics



- Population/Popular Support
- Infrastructure, Economy, & Services
- Government
- Afghanistan Security Forces
- Insurgents
- Crime and Narcotics
- Coalition Forces & Actions
- Physical Environment



WORKING DRAFT - V3

National Commission on Terrorist Attacks upon the United States

- **“A comprehensive United States strategy to counter terrorism should include economic policies that encourage development, more open societies, and opportunities for people to improve the lives of their families and enhance prospects for their children.”**



NORMAN ROCKWELL

DoD Directive 3000.05

- 4.2. Stability operations are conducted to help establish order that advances U.S. interests and values. The immediate goal often is **to provide the local populace with security, restore essential services, and meet humanitarian needs.** The long-term goal is to help develop indigenous capacity for securing essential services, a viable market economy, rule of law, democratic institutions, and a robust civil society.

Battle of the Narrative



DoD Directive 3000.05

- 5.3.7. Ensure DoD medical personnel and capabilities are prepared to meet military and civilian health requirements in stability operations.

Afghanistan

- Sanitation Facilities **60/30** (USA 100/99)
- Infant mortality **121/1,000** (USA 6/1,000)
- Maternal Mortality **460/100,000** (USA 21/100,000)
- Number of children **5** (USA 2 children)
- Average life expectancy: **49 y/o** (USA 78 y/o)

- **Percentage of health care provided by NGO's: 82%**
(2006)

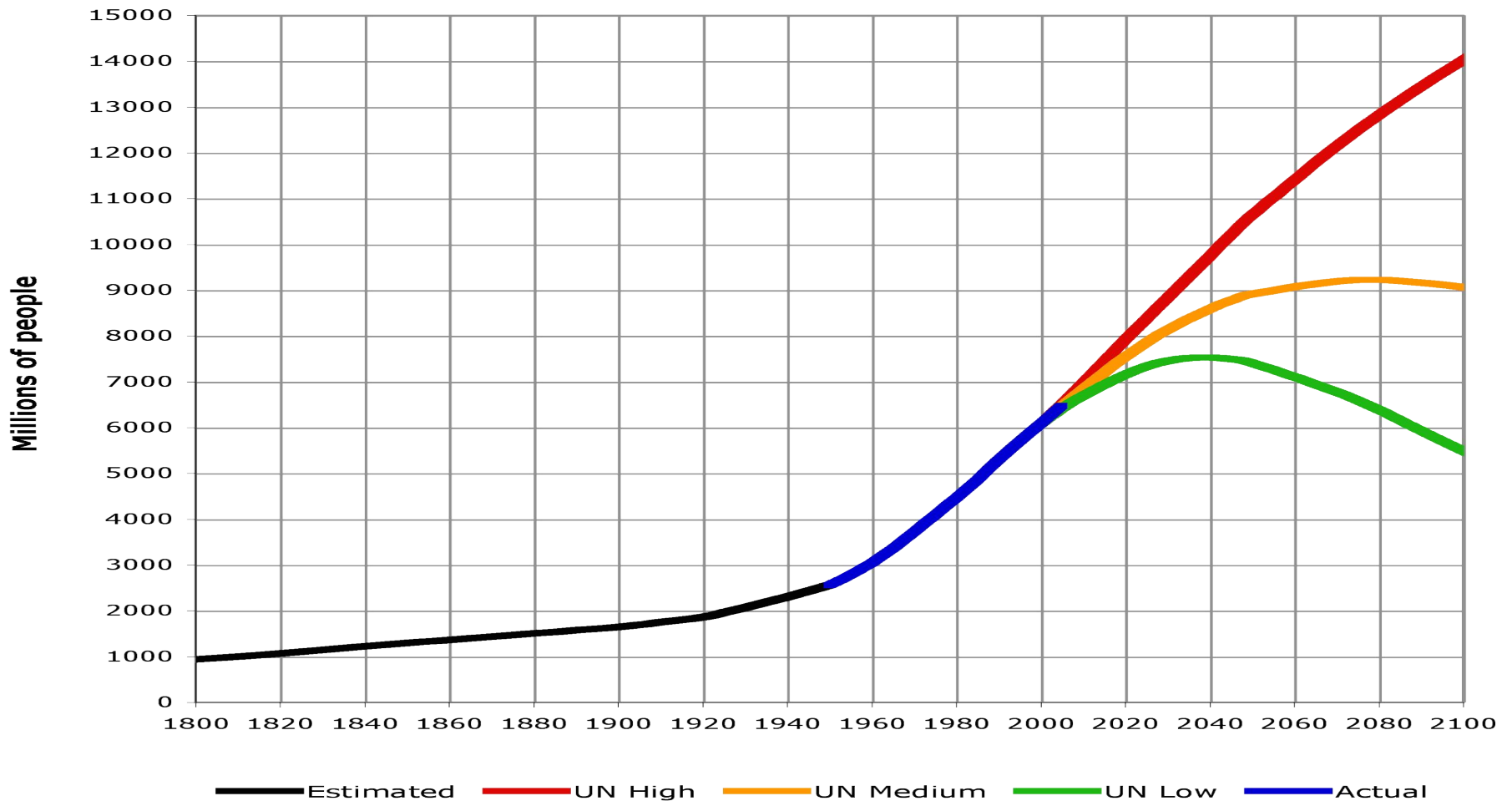
Wartime Standard of Care

- To the fullest extent of the means available to it, ***the Occupying Power has the duty of ensuring and maintaining, with the cooperation of national and local authorities, the medical and hospital establishments and services, public health and hygiene in the occupied territory***, with particular reference to the adoption and application of the prophylactic and preventive measures necessary to combat the spread of contagious diseases and epidemics.

DoD Instruction 6000.16

- **Military Health System shall be prepared to perform any tasks to assigned to establish, reconstitute and maintain air and reconstitute health sector capacity and capability for the indigenous population when indigenous, foreign or U.S. civilian professionals cannot do so.**

Human Population Growth



Joint Operating Environment 2010

- **Energy**
- **Demographics**
- **Globalization**
- **Natural Disasters**
- **Water**
- **Space**

- **Economics**

- **Food**

Who do we count and watch die?

1. **AIDS:** **30,000,000**
2. **Chronically malnourished?** **852,000,000**
3. **Without clean water?** **1,000,000,000**
4. **Without surgical care?** **2,000,000,000**
5. **Without sanitation facilities?** **2,400,000,000**

6. **Children that die each day?** **26,500**

...One child every 3.5 seconds

Declaration of Independence



Arab Spring ~ Tunisia



Yemen



Egypt



Bahrain



Libya



Morocco



Syria



Neo-Marshall Plan

- Our policy is directed not against any country or doctrine but against hunger, poverty, desperation and chaos...

Tough Choices

Preventable deaths attributed to lack of Wat/San

4,000 children /day

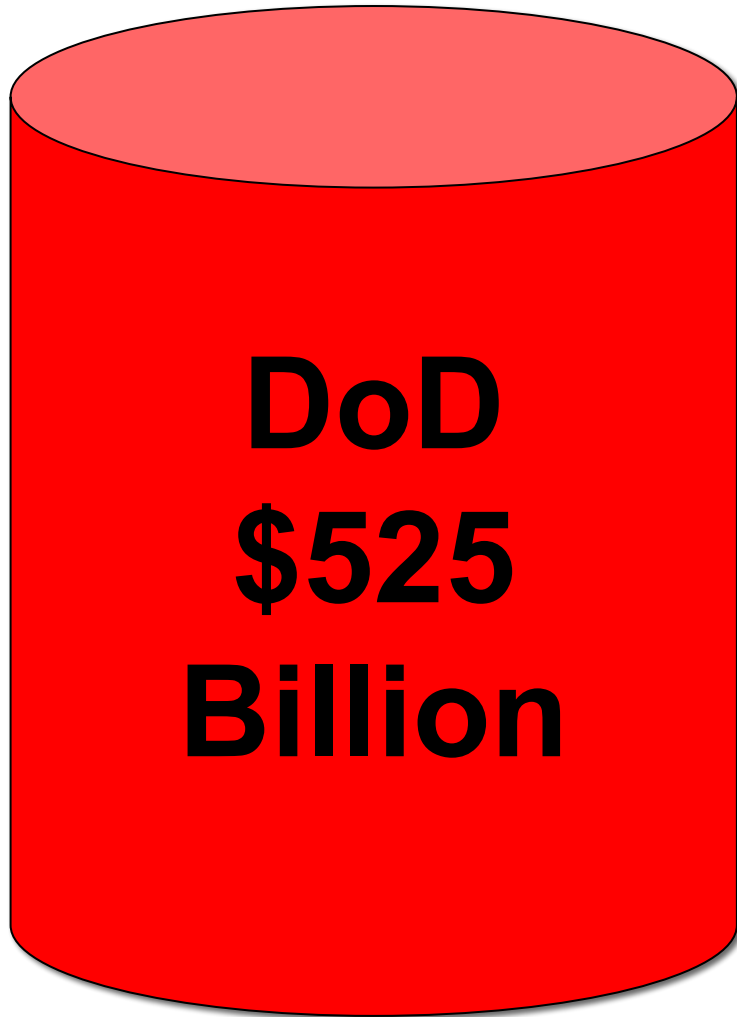
Annual additional cost to reach MDG by 2015:

\$40-70 bil USD

Annual American expenditure on pets

\$47 Billion USD

Fiscal Year 2013



Current Use



90+% Battlefield Survival
9.6 million beneficiaries

Possible ~ Post 2014 Use



Combined Health Budgets for: Zimbabwe, DRC, Niger, Burundi, Mozambique, Guinea-Bissau, Chad, Liberia, Burkina Faso, Mali, Central African Republic, Sierra Leone, Ethiopia, Guinea, Afghanistan, Sudan, Malawi, Rwanda, Gambia, Zambia, Côte d'Ivoire, Tanzania, Djibouti, Angola, Haiti, Senegal, Uganda, Lesotho, Comoros, Togo, Nepal, Papua New Guinea, Mauritania, Madagascar, Benin, Yemen, Myanmar, Cameroon, Ghana (**750 million people**)

Universal Declaration of Human Rights

- **Everyone has the right to a standard of living adequate for the health and well-being of himself and of his family,** including food, clothing, housing and medical care and necessary social services, and the right to security in the event of unemployment, sickness, disability, widowhood, old age or other lack of livelihood in circumstances beyond his control.

What choice will we make?

\$7 mil **USAID Hospital**



\$100 mil **(one) F-35**



Catalyzing Evolution



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Blending the Narratives



China's doing it....



Hamas is doing it...



We tried once... let's try again

2007 Global Poverty Act

To require the President to develop and implement a comprehensive strategy to further the United States foreign policy objective of promoting the reduction of global poverty, the elimination of extreme global poverty, and the achievement of the Millennium Development Goal of reducing by one-half the proportion of people worldwide, between 1990 and 2015, who live on less than \$1 per day.

The problems that exist in the world today cannot be solved by the level of thinking that created them.



Transform ourselves to survive our best future

Peace and Light

