

# Global Citizenship: Our Inner and Outer Spheres for Action?

Hiroshima, 8 August 2008

Nassrine AZIMI, Director and Sergei SHAPOSHNIKOV, Training Assistant  
UNITAR Hiroshima Office

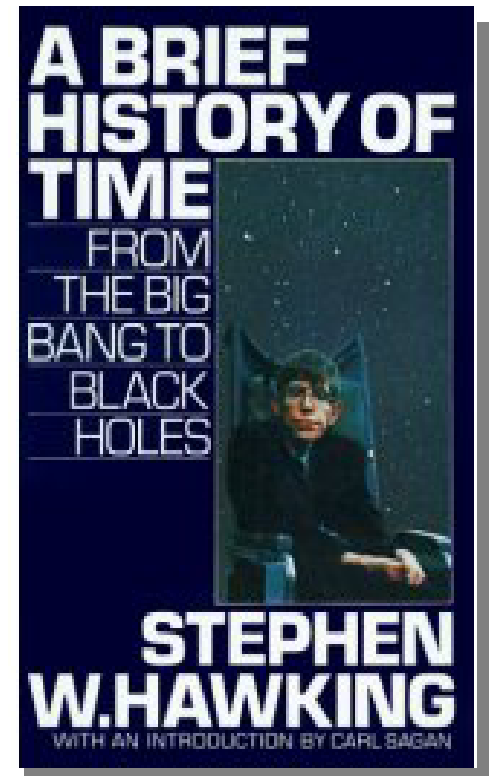
# Some key themes of the last 12 months...

- Iraq/Afghanistan...
- Environment/climate change
- International ban on cluster bombs
- Nuclear proliferation and arms trade
- Work of the International Criminal Court
- Global cultural and religious tensions
- The end of cheap food?
- Other...

# Dr. Stephen Hawking



Dr. Stephen Hawking  
Professor of Mathematics  
Department of Applied Mathematics  
and Theoretical Physics, Cambridge University



# Science/Nature Page

## The Daily Yomiuri, 19 June 2006

### SCIENCE/NATURE

## Bird flu shot protects ferrets; human vaccine seen possible

By Maggie Fox

**W**HEN the H5N1 avian influenza virus struck Hong Kong in 1997, it was the first time the virus had crossed the species barrier to infect humans. The virus, which is highly contagious, has since killed 181 people in nine countries and has infected about 175.

Experts say a pandemic of one kind of influenza is inevitable and that H5N1 looks closer than any other virus to causing such a global wave of disease.

A vaccine would provide the best protection, but the vaccine industry is slow and expensive and a new vaccine has to be formulated every year to match the current circulating strains.

Vaccine experts fear that they would have to wait until H5N1 changes into a human pandemic strain before they can make a vaccine against it. It would be almost impossible to do so.

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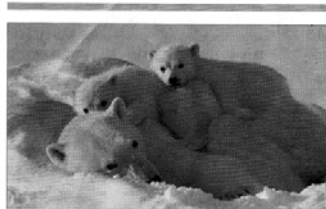
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Australia's Monash University wrote in a commentary that the H5N1 virus that was announced last month is genetically distinct from the vaccine strain, they wrote.

"All but one unvaccinated ferret inoculated with a different H5N1 virus survived but showed signs of disease," they added. They stressed that ferrets are not a natural host for the virus and that the virus is not as contagious as other influenza viruses.

This may be difficult to say, as people cannot be deliberately infected with a virus to see whether a vaccine works. Usually, scientists look at antibodies in the blood to see if their immune systems have been primed by the vaccine.

Making a good vaccine is potentially big business. The International Federation of Pharmaceutical Manufacturers and Associations says 11 pandemic avian influenza vaccines made by 15 companies in Australia, Austria, Britain, Canada, France, Germany, Italy, Japan, the Netherlands, Switzerland and the United States are in human or clinical trials.



A female polar bear and her cub relax on the snow in the French nature documentary "White Planet," which opens Saturday.

### French director focuses on threatened 'White Planet'

By Saeed Khan

**T**he growing concern over global warming has led to the production of an increasing number of nature documentaries featuring dramatic, polar wildlife that is threatened by rising sea levels and global warming. Among them are the 2005 French film "Le Monde de la Neige" (The World of Snow) and the 2006 French film "White Planet" (Le Monde de la Neige).

White Planet, which opens Saturday, is a nature documentary about the Arctic region. It was directed by Thierry Pharaud, who has also directed other nature documentaries, including "The World of Snow" and "The World of the Bear".

White Planet follows a polar bear and her cub as they search for food in the Arctic. The film shows the bear's struggles to survive in a harsh, cold environment. It also shows the impact of global warming on the Arctic region, including the melting of ice and the loss of habitat.

Pharaud says that he was inspired to make the film by his own travels in the Arctic. He says that he was struck by the beauty and harshness of the region and wanted to share it with the world.

"I was just overwhelmed seeing, with my very own eyes, the huge group living on the kilometers," Pharaud said. "That's what's actually happening on the same place when we live."

Pharaud had spent several years as a publisher for Jacques Trier Coeuron (1984-1995), the first French nature magazine known for its 1966 Cannes-winning nature documentary "Le Monde de la Neige" (The World of Snow). An environmental journalist working on TV programs, Pharaud spent the last 10 years making documentary films about nature.

"I want to be an interpreter between scientists and the public to help them understand wonderful things," Pharaud said.

The Arctic, where temperatures fall to minus 50 C, is a harsh environment. The weather is so severe that the wind can be felt for miles. The temperature of Alaska can be 10 C or lower the next day. It is also known that the sea level is rising in the Arctic Ocean since its ice is melting by 15 percent every year.

Due to the decreasing sea ice, polar bears have been forced to hunt for food on the land. This has led to a sharp decline in their numbers. The number of polar bears is estimated to be around 25,000.

Pharaud says that he hopes the film will help to raise awareness of the Arctic region and the impact of global warming. He says that he wants to show the world that the Arctic is not just a frozen wasteland, but a beautiful and unique part of the world.

### Hawking: Humans need space as refuge

By Maggie Fox

**H**ONG KONG (AP)—The survival of the human race depends on its ability to find a new home, says a leading physicist who has spent his increasing risk that a disaster will destroy Earth, either through impact or global warming.

Hawking said that he believes that a disaster will destroy Earth, either through impact or global warming. He says that he believes that a disaster will destroy Earth, either through impact or global warming.

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He also called an astrophysical disaster, or AIOL, which is a low-level disaster.

One of the best-known theoretical physicists of his generation, Hawking has done groundbreaking research on black holes and the origins of the universe, proposing that space and time have no beginning and no end.

However, Alan Guth, a physics professor at the Massachusetts Institute of Technology, said that Hawking's latest observations were something of a departure from his usual research and more applicable to the future of the universe.

"It is an answer for our time to look at," Guth said. "It is a question for the 21st century and beyond."

Hawking said that he believes that a disaster will destroy Earth, either through impact or global warming. He says that he believes that a disaster will destroy Earth, either through impact or global warming.

### NATURE IN SHORT

#### Learning the lessons of the fantastic 'Earthsea' world

**T**he early summer rainy season seems to have settled in this past week, so I've been spending a lot of my free time indoors, watching films and reading. For concentrating my historical work on the local woodlands, I've been reading the works of Ursula K. Le Guin, who wrote the Earthsea series. The Earthsea series is a fantasy series that is set in a world where magic is a force of nature. It is a world where magic is a force of nature. It is a world where magic is a force of nature.

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This is the kind of detailed sketch that helps one to know the tree's true name.

### Royal Institution lectures to prove you are what you eat

**W**hen you eat every day, and sometimes more than once a day, you are eating a lot of food. You are eating a lot of food. You are eating a lot of food.

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- [Earthsea](#)
- [ゲド戦記 \(Earthsea in Japanese\)](#)
- [The White Planet](#)
- [Stephen Hawking](#)
- [Avian Flu](#)
- [Royal Institution Christmas Lectures](#)



Dr John Bebb explains the sense of taste during the 2005 Royal Institution Christmas Lectures in London.

# Food Crisis



A CRITIC AT LARGE

## THE LAST BITE

*Is the world's food system collapsing?*

by Bee Wilson

MAY 19, 2008



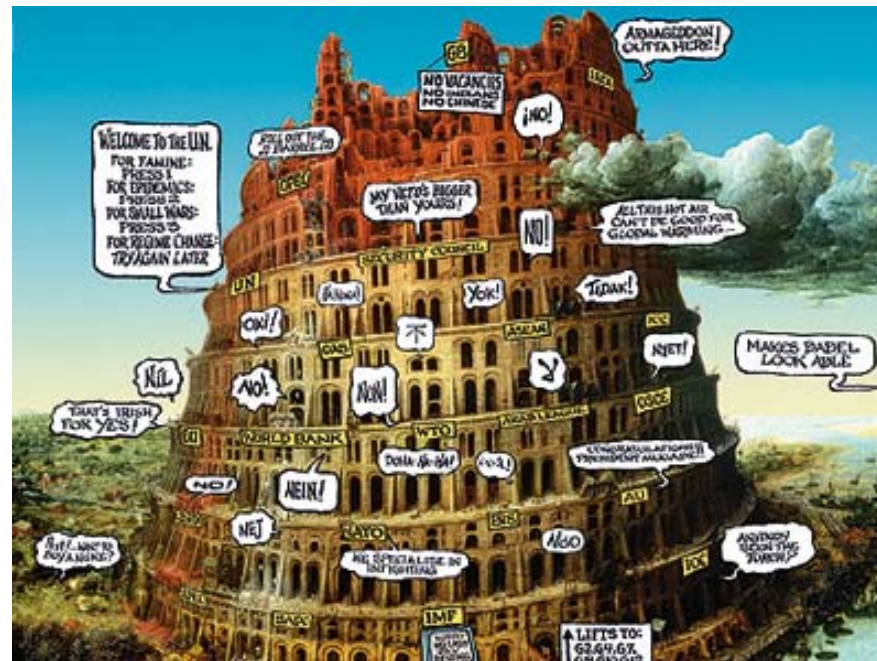
*The global food market fosters both scarcity and overconsumption, while imperiling the planet's ability to produce food in the future. Photograph by James Nachtwey.*



# International Architecture

Economist.com

International government  
What a way to run the world  
Jul 3rd 2008  
From *The Economist* print edition



# *Charter* *of the* United Nations

*and Statute  
of the  
International  
Court of Justice*



United Nations

# *International Criminal Court (ICC)*

- The International Criminal Court (ICC or ICCT) was established in 2002 ( Rome Statute, based in the Hague) as a permanent tribunal to prosecute individuals for genocide, crimes against humanity, war crimes, and the crime of aggression, although it cannot currently exercise jurisdiction over the crime of aggression.
- 106 nations have become parties to the Statute. The United States has not.



# *The International Criminal Tribunal for former Yugoslavia (ICTY)*

- ICTY is a body of the UN established to prosecute serious crimes committed during the wars in the former Yugoslavia, and to try their alleged perpetrators. The tribunal is an ad-hoc court and is located in The Hague in the Netherlands.
- Slobodan Milošević
- Radovan Karadzic



# Three Areas for Global Citizens' Action?

I) Arms Trade

II) Energy and the Environment

III) Ethics



# I) The Arms Trade

## Military Expenditures 2007

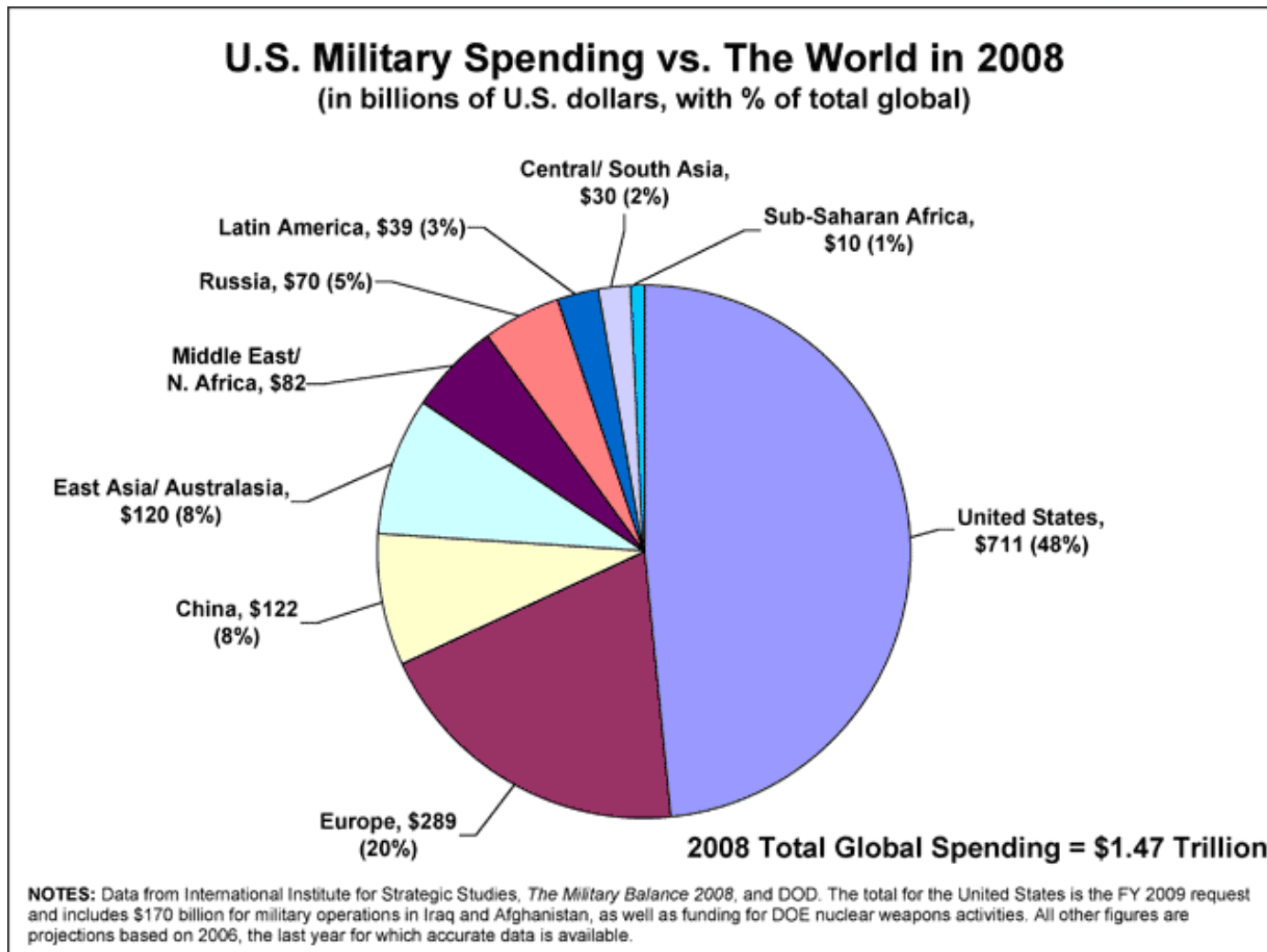
*Military expenditure by region and by income group, 2007*

	Military spending, 2007 (\$ b.)	Change, 1998- 2007 (%)
<b>World total</b>	<b>1 339</b>	<b>+45</b>
Africa	18.5	+51
Americas	640	+63
Asia and Oceania	219	+52
Europe	370	+16
Middle East	91.5	+62
Low-income countries	41.9	
Lower middle-income countries	152	
Upper middle-income countries	107	
High-income countries	1 039	

- Increase of 6 % over 2006 and 45% since 1998;
- 2,5% of World GDP;
- USD202 for each person in the world.

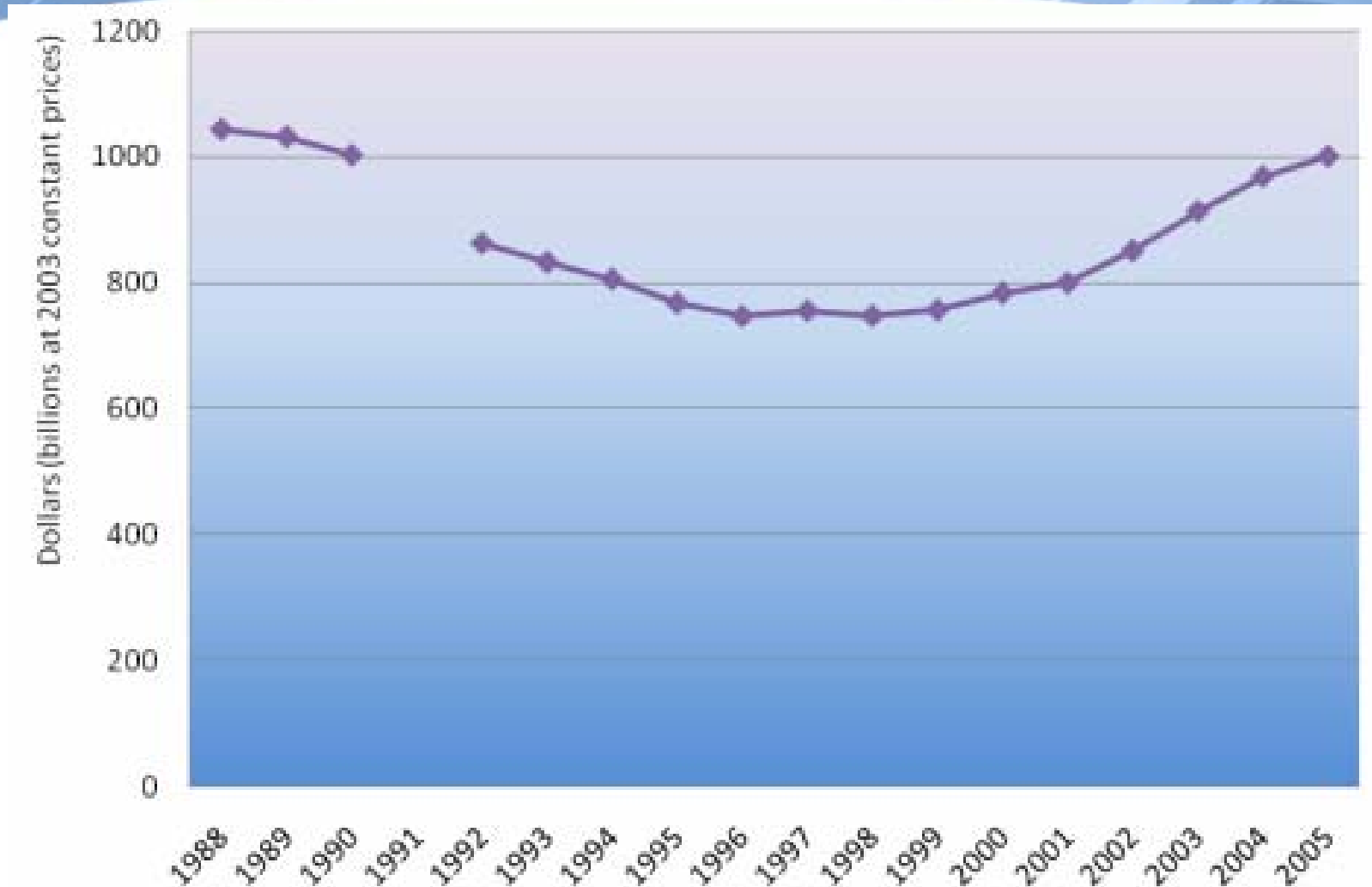
Spending figures are in current US\$. Change figures are based on spending in constant (2005) US\$ prices and exchange rates.

# US Military Spending vs. The World



# World Military Expenditures, 1988-2005

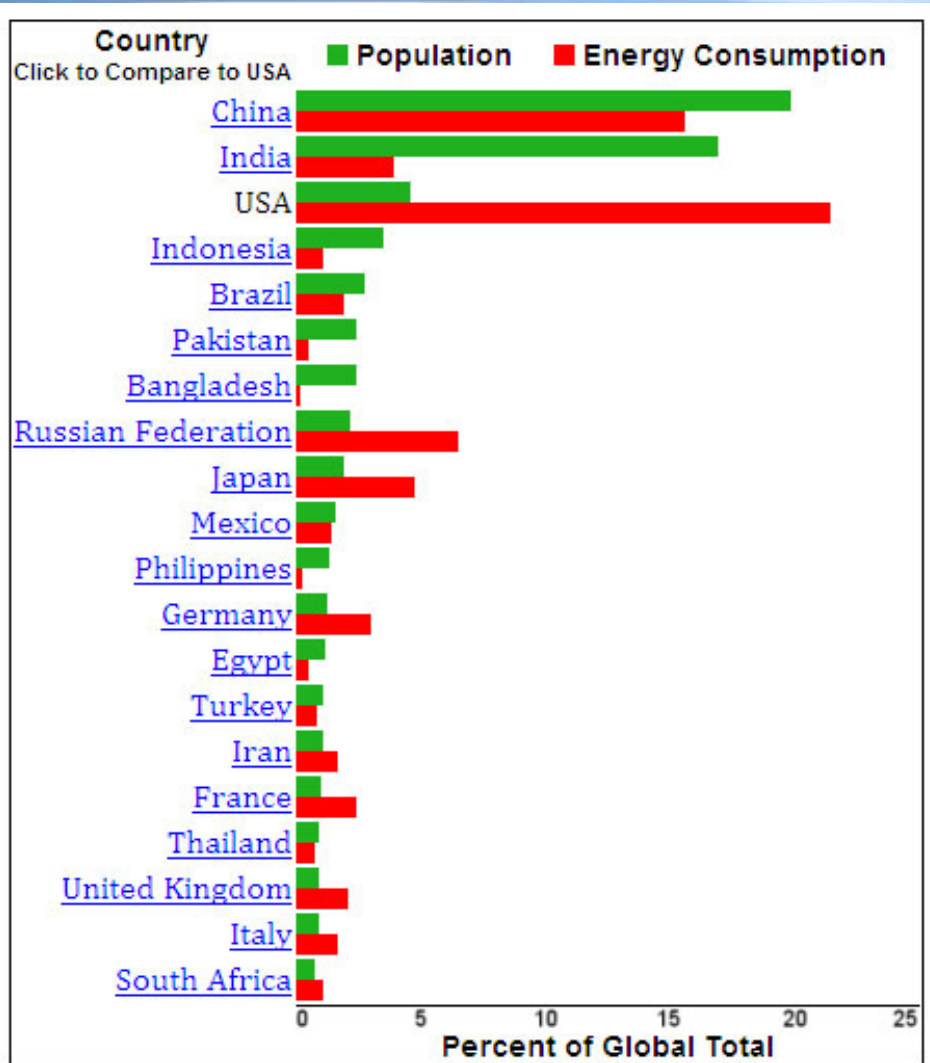
*(conventional weapons)*





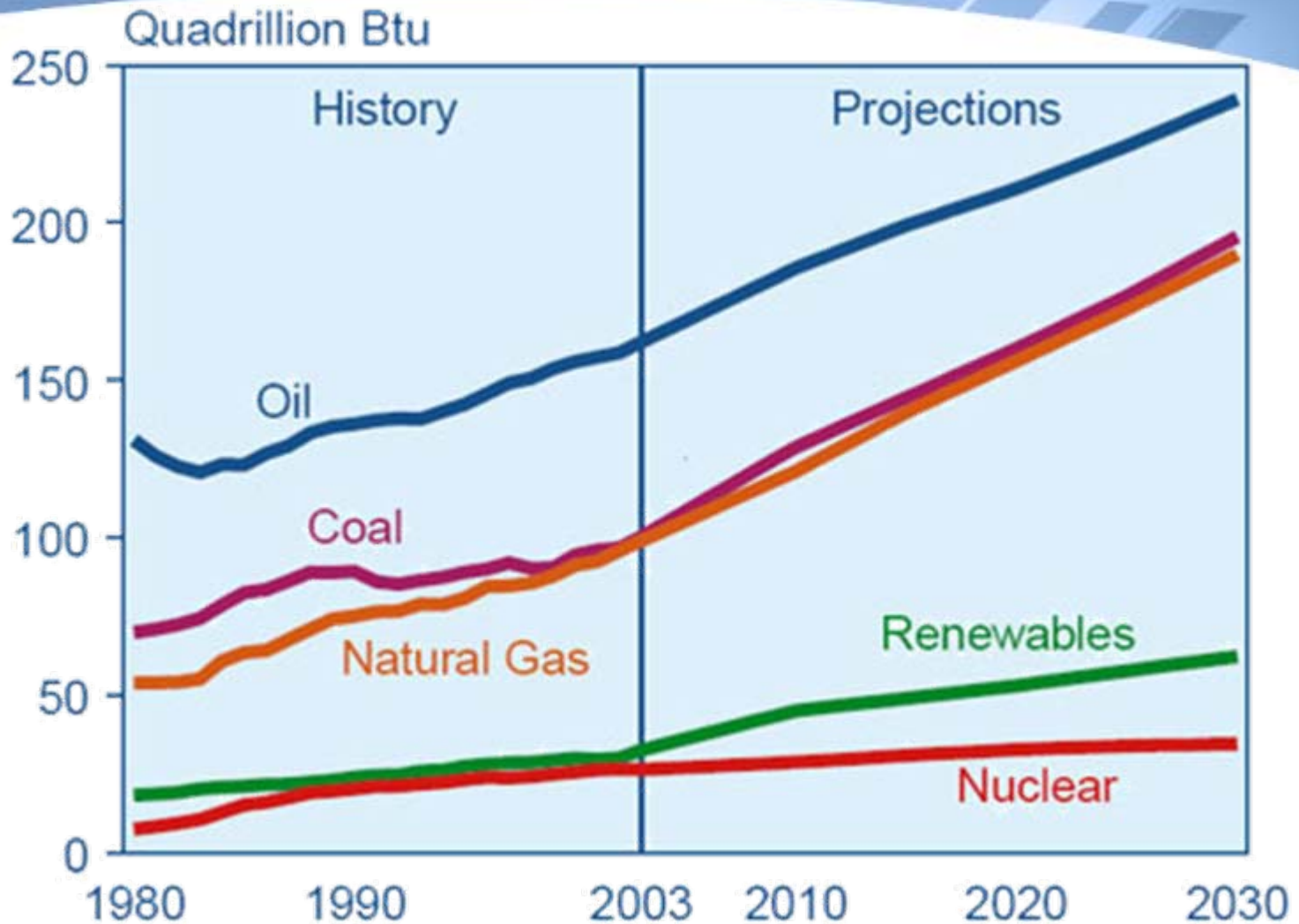
# II) Energy and the Environment

## Population and Energy Consumption

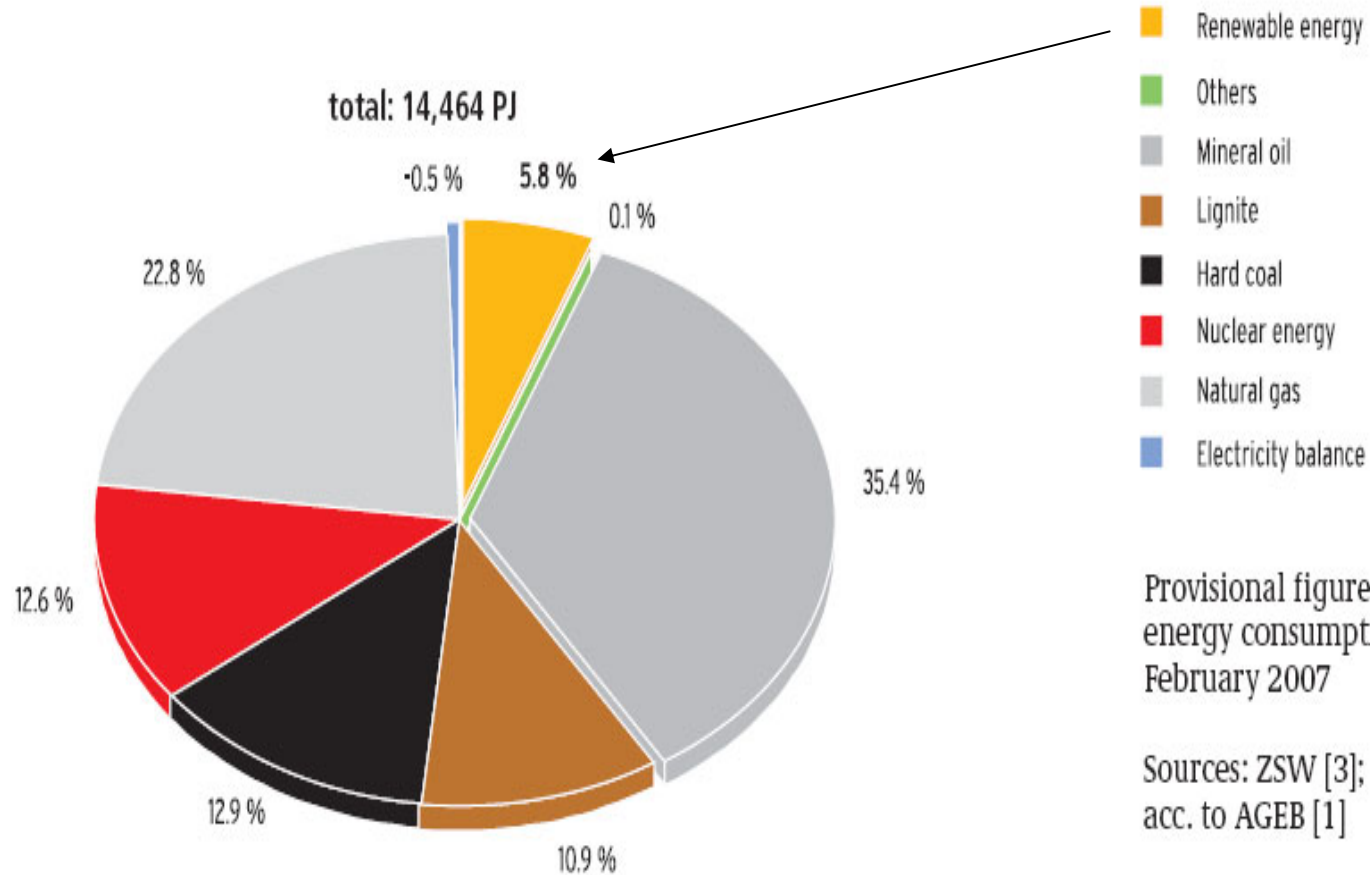


# Future Sources of Energy

(predictions by fuel types)



# Structure of Primary Energy Consumption 2006

















Provisional figures, primary energy consumption as at February 2007

Sources: ZSW [3];  
acc. to AGEBA [1]

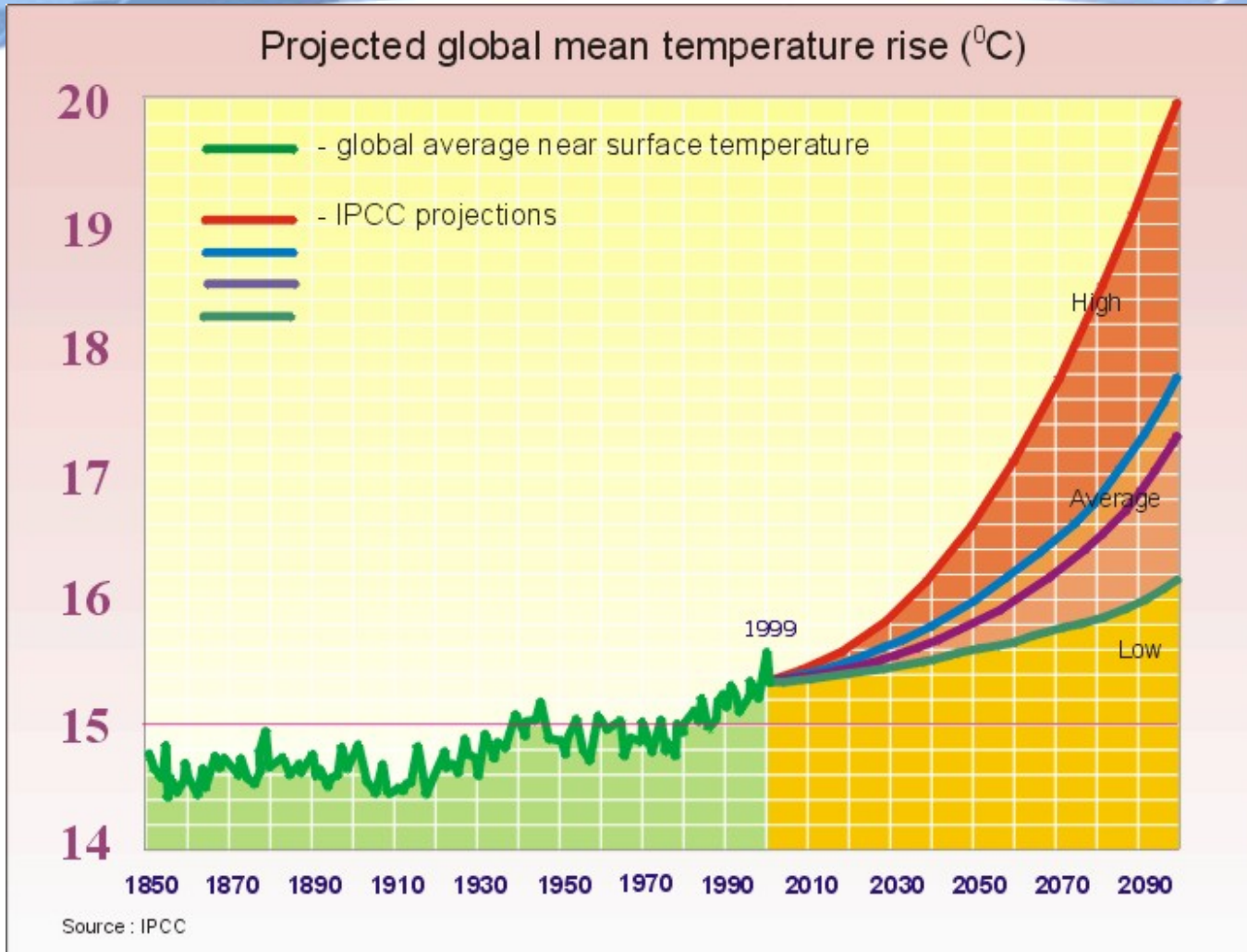
# Oil Consumption of Countries

(Top 20)

Rank	Countries	Amount (top to bottom)	
#1	<a href="#">United States:</a>	20,730,000 bbl/day	
#2	<a href="#">China:</a>	6,534,000 bbl/day	
#3	<a href="#">Japan:</a>	5,578,000 bbl/day	
#4	<a href="#">Germany:</a>	2,650,000 bbl/day	
#5	<a href="#">Russia:</a>	2,500,000 bbl/day	
#6	<a href="#">India:</a>	2,450,000 bbl/day	
#7	<a href="#">Canada:</a>	2,294,000 bbl/day	
#8	<a href="#">Korea, South:</a>	2,149,000 bbl/day	
#9	<a href="#">Brazil:</a>	2,100,000 bbl/day	
#10	<a href="#">France:</a>	1,970,000 bbl/day	
#11	<a href="#">Mexico:</a>	1,970,000 bbl/day	
#12	<a href="#">Italy:</a>	1,881,000 bbl/day	
#13	<a href="#">Saudi Arabia:</a>	1,845,000 bbl/day	
#14	<a href="#">United Kingdom:</a>	1,827,000 bbl/day	
#15	<a href="#">Spain:</a>	1,573,000 bbl/day	
#16	<a href="#">Iran:</a>	1,510,000 bbl/day	
#17	<a href="#">Indonesia:</a>	1,168,000 bbl/day	
#18	<a href="#">Taiwan:</a>	965,000 bbl/day	
#19	<a href="#">Netherlands:</a>	946,700 bbl/day	
#20	<a href="#">Thailand:</a>	900,000 bbl/day	

Relevant Link: - [CIA World Factbook via NationMaster.com](#)

# Projected Global Mean Temperature Rise

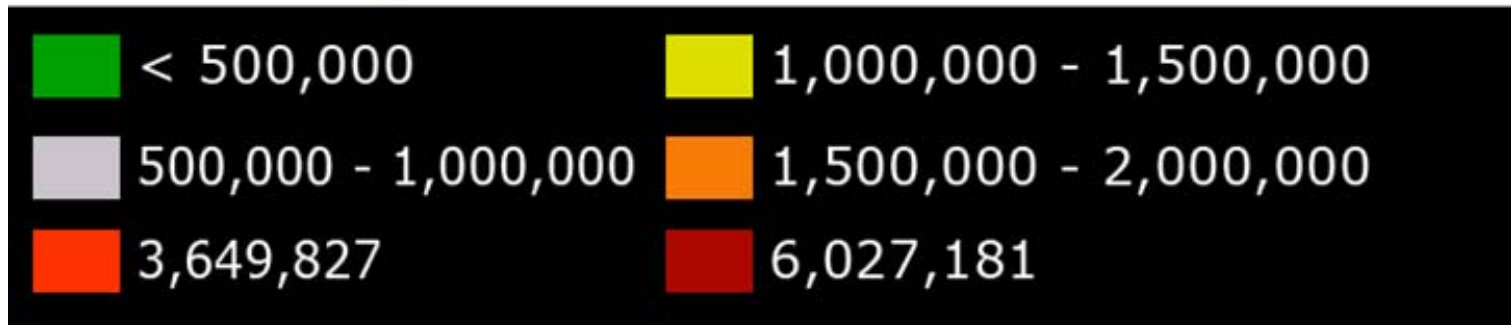
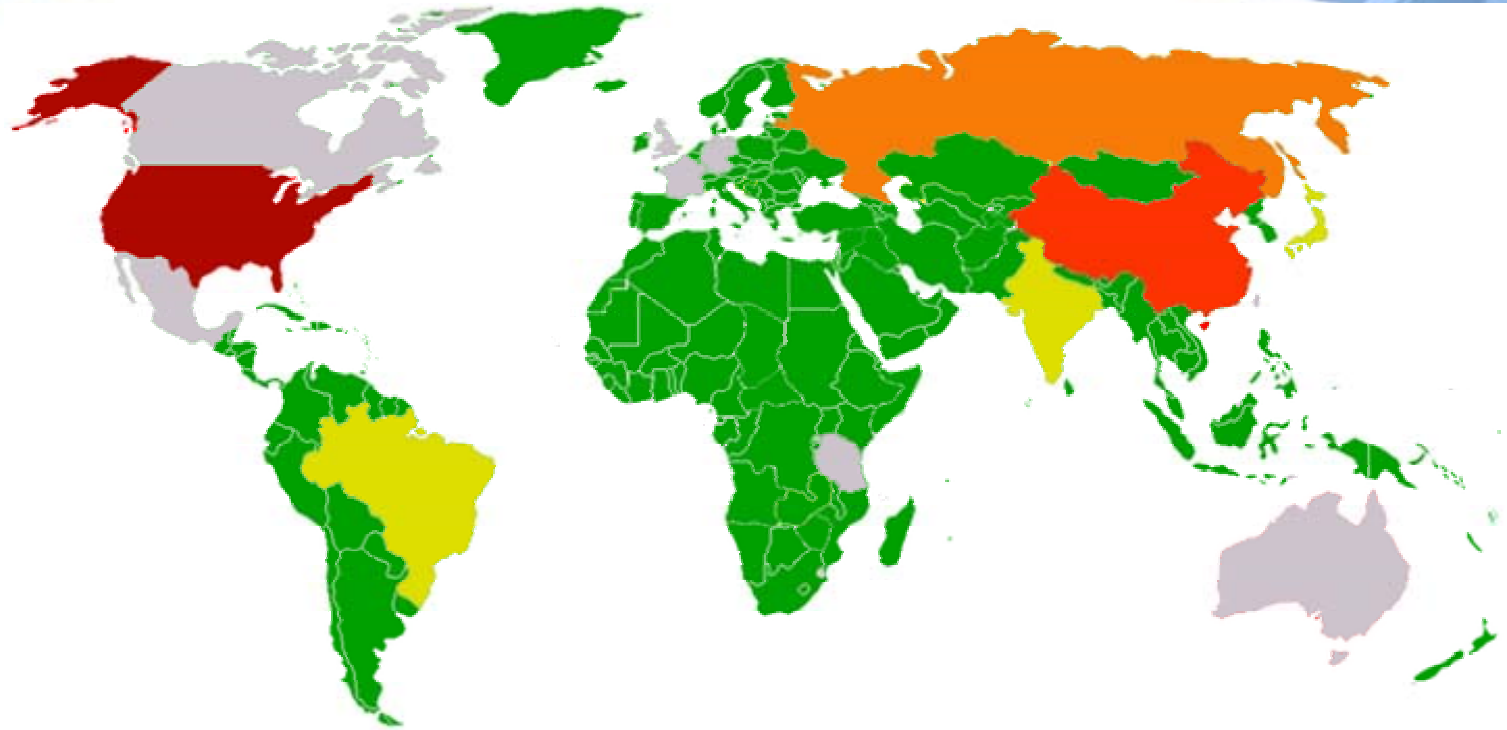


Relevant Link: - [Intergovernmental Panel on Climate Change \(IPCC\)](http://www.ipcc.org)



# Total Greenhouse Gas Emissions

(Metric Tons Carbon Dioxide Equivalent)





# Summary of Potential Outcomes

- **Rising Temperatures**
- **Sea Level Rise**
- **Intensification of the Hydrologic Cycle**
- **Health Effects**
- **Dramatic Effects on Ecosystems**
  - **Forests**
  - **Rangelands**
  - **Deserts**
  - **Cryosphere**
  - **Mountain Regions**
  - **Lakes, Streams, Wetlands**
  - **Coastal Systems**
  - **Oceans**
  - **Fisheries**
- **Food Production**

# Railways - Passengers Carried

Million Passenger-km by Country) 2005

#1	<a href="#">China:</a>	583,320 million passenger-km	2005 ...	
#2	<a href="#">India:</a>	575,702 million passenger-km	2005 ...	
#3	<a href="#">Russia:</a>	164,262 million passenger-km	2005 ...	
#4	<a href="#">Japan:</a>	145,957 million passenger-km	2005 ...	
#5	<a href="#">France:</a>	77,219 million passenger-km	2005 ...	
#6	<a href="#">Germany:</a>	72,568 million passenger-km	2005 ...	
#7	<a href="#">Ukraine:</a>	52,655 million passenger-km	2005 ...	
#8	<a href="#">Italy:</a>	47,368.15 million passenger-km	2005 ...	
#9	<a href="#">United Kingdom:</a>	44,036 million passenger-km	2005 ...	
#10	<a href="#">Egypt:</a>	40,837 million passenger-km	2005 ...	
#11	<a href="#">Korea, South:</a>	31,004 million passenger-km	2005 ...	
#12	<a href="#">Indonesia:</a>	25,535 million passenger-km	2005 ...	
#13	<a href="#">Pakistan:</a>	23,045 million passenger-km	2005 ...	
#14	<a href="#">Spain:</a>	21,047 million passenger-km	2005 ...	
#15	<a href="#">Poland:</a>	16,742 million passenger-km	2005 ...	
#16	<a href="#">Netherlands:</a>	14,730 million passenger-km	2005 ...	
#17	<a href="#">Switzerland:</a>	14,277 million passenger-km	2005 ...	
#18	<a href="#">Belarus:</a>	13,568 million passenger-km	2005 ...	
#19	<a href="#">Kazakhstan:</a>	12,129 million passenger-km	2005 ...	
#20	<a href="#">Iran:</a>	11,149 million passenger-km	2005 ...	
#21	<a href="#">Thailand:</a>	9,195 million passenger-km	2005 ...	
#22	<a href="#">Belgium:</a>	9,150 million passenger-km	2005 ...	
#23	<a href="#">United States:</a>	8,869 million passenger-km	2005 ...	
#24	<a href="#">Austria:</a>	8,586 million passenger-km	2005 ...	
#25	<a href="#">Romania:</a>	7,960 million passenger-km	2005 ...	

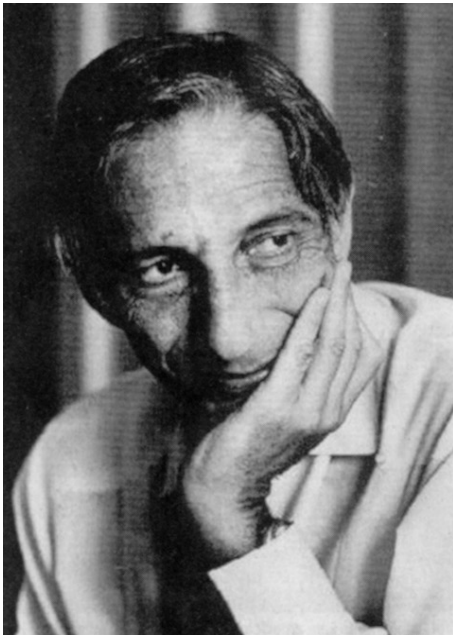
# III) Ethics

**eth·ics**    *εθ ɪks/*

1. a system of moral principles: *the ethics of a culture.*
2. the rules of conduct recognized in respect to a particular class of human actions or a particular group, culture, etc.: *medical ethics; Christian ethics.*
3. moral principles, as of an individual: *His ethics forbade betrayal of a confidence.*
4. that branch of philosophy dealing with values relating to human conduct, with respect to the rightness and wrongness of certain actions and to the goodness and badness of the motives and ends of such actions.

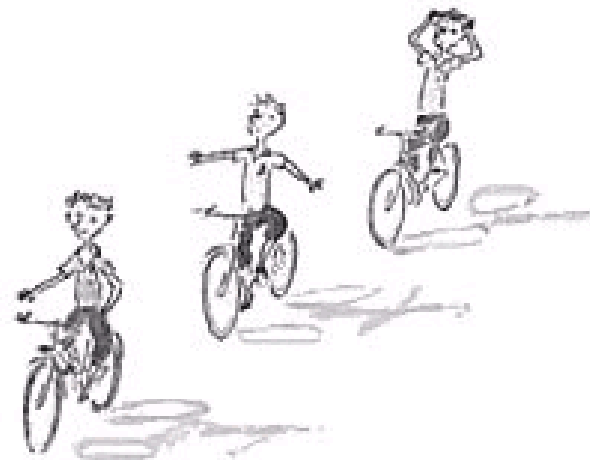
From the Greek *tà éthiká*

# "ACT where you can"

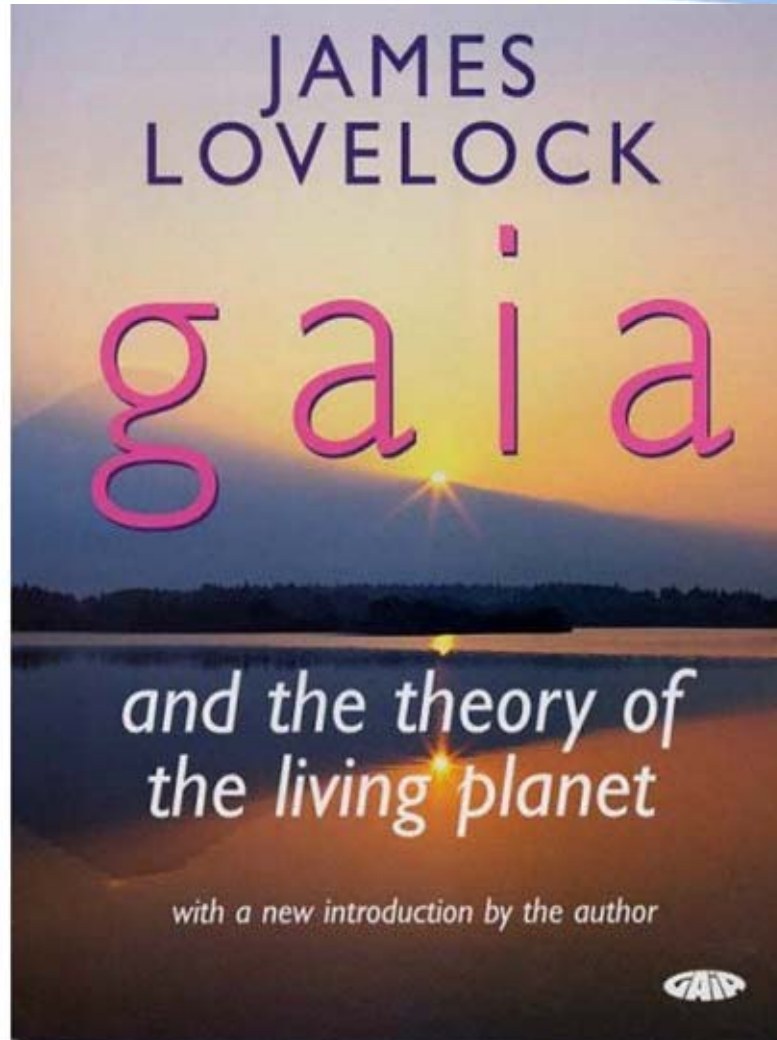


Ivan Illich  
(1926 - 2002)

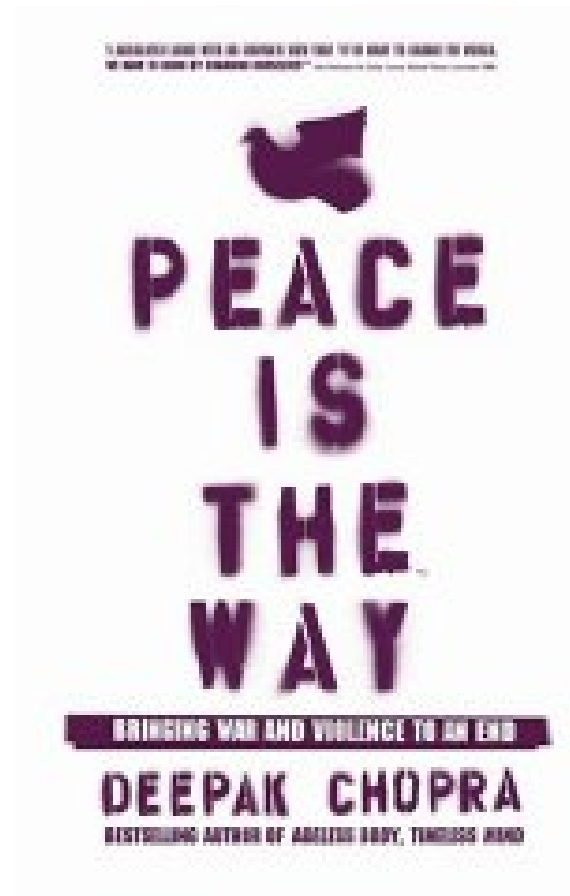
In praise of the bicycle..



# “CULTIVATE the sacred”



# “UNITE – Numbers count”



- Relevant Links:
- [Deepak Chopra](#)
  - [Peace is the Way](#)



**“DEMAND an intelligent and  
responsible media”**

THE DAILY YOMIURI

**Cabinet approval rises to 41%**

The Yomiuri Shimbun, 3 August 2008

# "IDENTITY - Know thyself"

- Sufism and Unity in Diversity
- Leonard Euler

(Swiss mathematician 1707-1783)

"The pull of the future is stronger  
than the push of the past"

Relevant Link: - [Leonard Euler](#)

- "To know someone, walk a mile in their shoes"

***THANK YOU FOR YOUR ATTENTION***



[UNITAR Hiroshima Office](#)