



Celebrating 45th  
**EARTH DAY**  
1970 - 2015

IEP – Karachi Center  
25-04-2015

# First Earth Day

(22<sup>nd</sup> April 1970)



## THE GAYLORD NELSON NEWSLETTER

Washington, D.C.

May 1970

### Earth Day - 1970

## Mass Movement Begins

In New York City, thousands of persons thronged in the warm Spring sunshine, and the world-famous Fifth Avenue belonged to the people.

For a few hours, a small portion of the great city banned motor vehicles, and people promenade on a proud boulevard usually congested with buses, taxis and cars. It was April 22--Earth Day in New York--and it was a holiday. Assistant Chief Inspector Arthur Morgan, who was in charge of the police on the scene, observed:

#### "Everyone's Beautiful"

"Everyone's beautiful. Just look at them. We're actually enjoying it."

In Madison, Wis., Earth Day was observed at sunrise over Lake Mendota with a Sanskrit invocation and a reading of the last chapter of the Book of Genesis with an apology to God for man's assaults on the

landscape.

Earth Day observers in Milwaukee nominated the toad, the praying mantis and the ladybug as substitutes for DDT.

#### Thousands Marched

In Greensboro, N. C., in Atlanta, Ga., and in Miami, Fla., thousands marched in demonstrations for a clean environment. The Governor of Maine called for the Earth Day commitment to be "a truly lasting one," and the mighty Chicago Tribune observed incredulously that, after demonstrations on the city's broad new Civic Center Plaza, "there was no post-rally litter remaining to be cleaned up."

A new movement had begun, and uncoupled millions--students, laborers, farmers, housewives, politicians, professional people, liberals and conservatives--who might have

found it difficult to find common agreement on any other subject, were gathering together in a massive educational effort to talk about survival and the quality of survival in a world they all share.

In little more than seven months after Sen. Gaylord Nelson suggested the idea of national teach-ins to discuss the crisis of the environment, the movement grew rapidly through March and April. On Earth Day, it was estimated that 2,000 college campuses, 2,000 community groups and 10,000 elementary and secondary schools were holding events.

In some places it was as the poet exclaimed while watching a rally of 30,000 in Philadelphia's Fairmount Park, an "educational picnic;" in others it was the serious business of government.

#### Special Legislation

During April, the state legislature of Massachusetts and the House of Representatives in Pennsylvania set aside time for important addresses on the environment and the introduction and passage of legislation aimed at protecting, preserving and restoring the environment.

Scientists, ecologists, environmentalists, educators and political leaders warned darkly before massive gatherings and small meetings that time was running out for the world and that all men had a responsibility to themselves and to leave a legacy of life for their children.

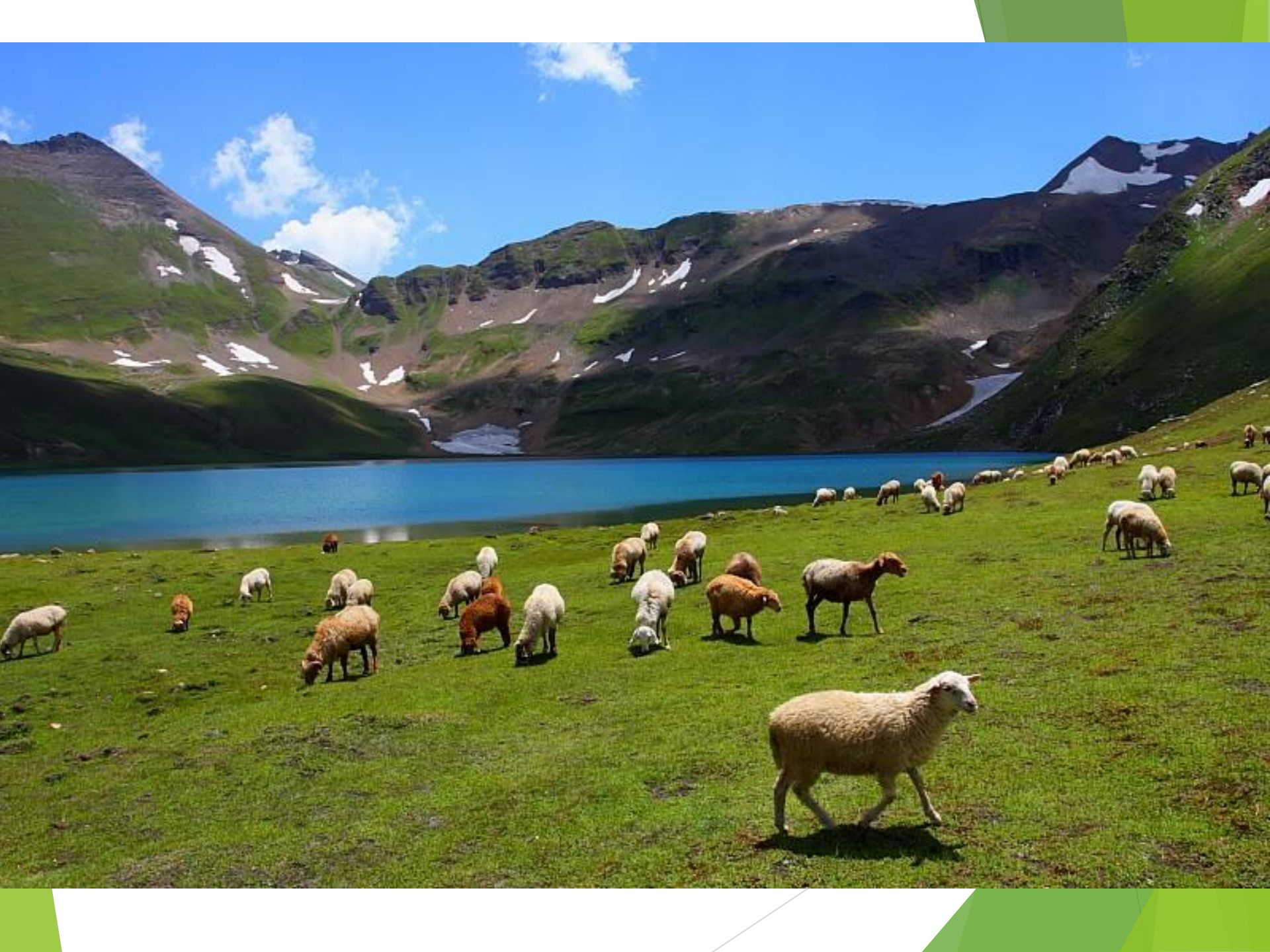
#### 500 Invitations

Senator Nelson, who received nearly 500 invitations to speak at Earth Day observances, described the national teach-ins as "dramatic and successful" in their educational value, but warned that Earth Day





*After School*























PHASSAN'S PHOTOGRAPHY | 2011













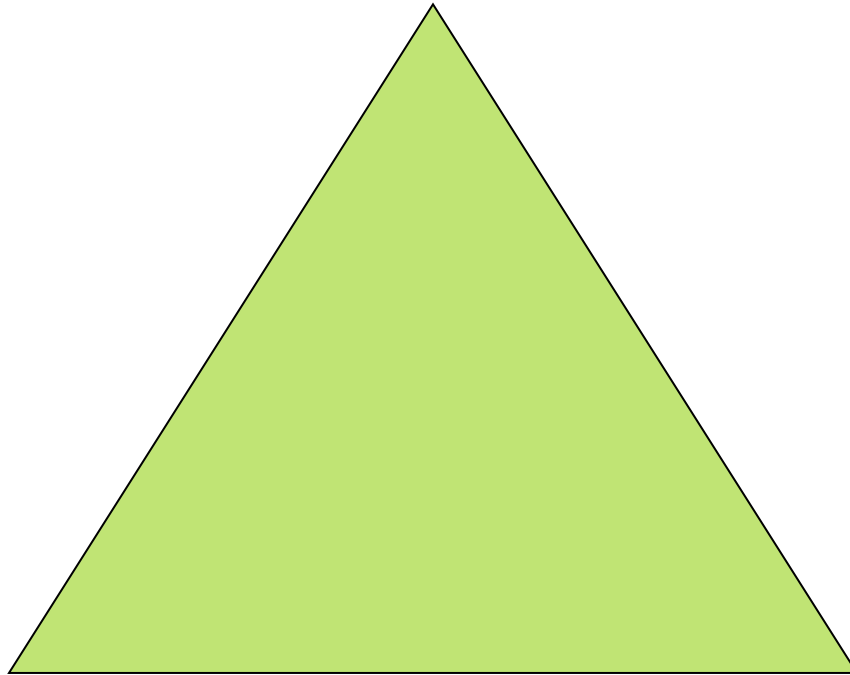


[www.rnproductions.in](http://www.rnproductions.in)

# The Vicious Triangle

## Population

3 billion to 7 billion  
in only 50 yrs



## Poverty

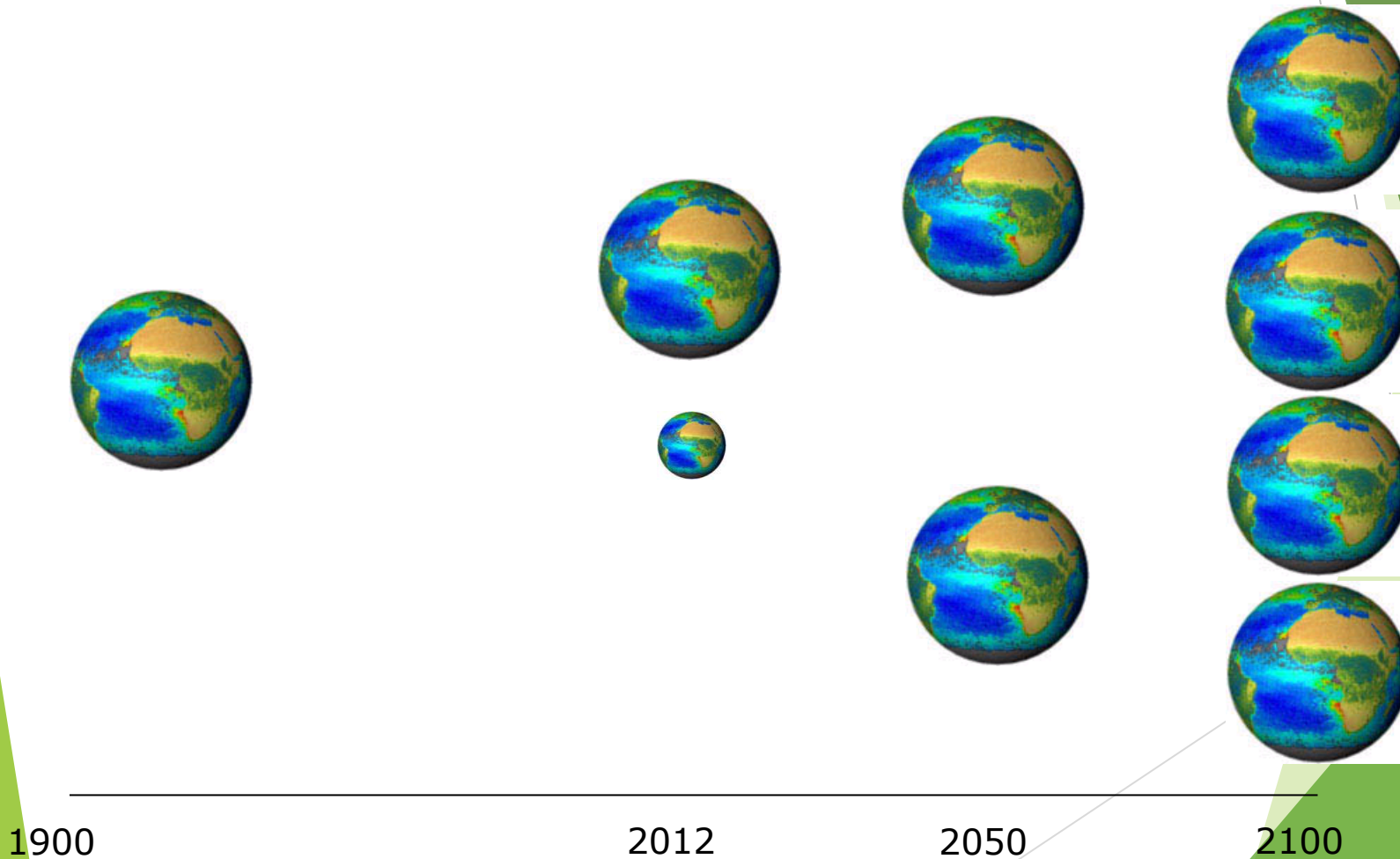
Only 14% enjoy 70%  
of world resources

## Pollution

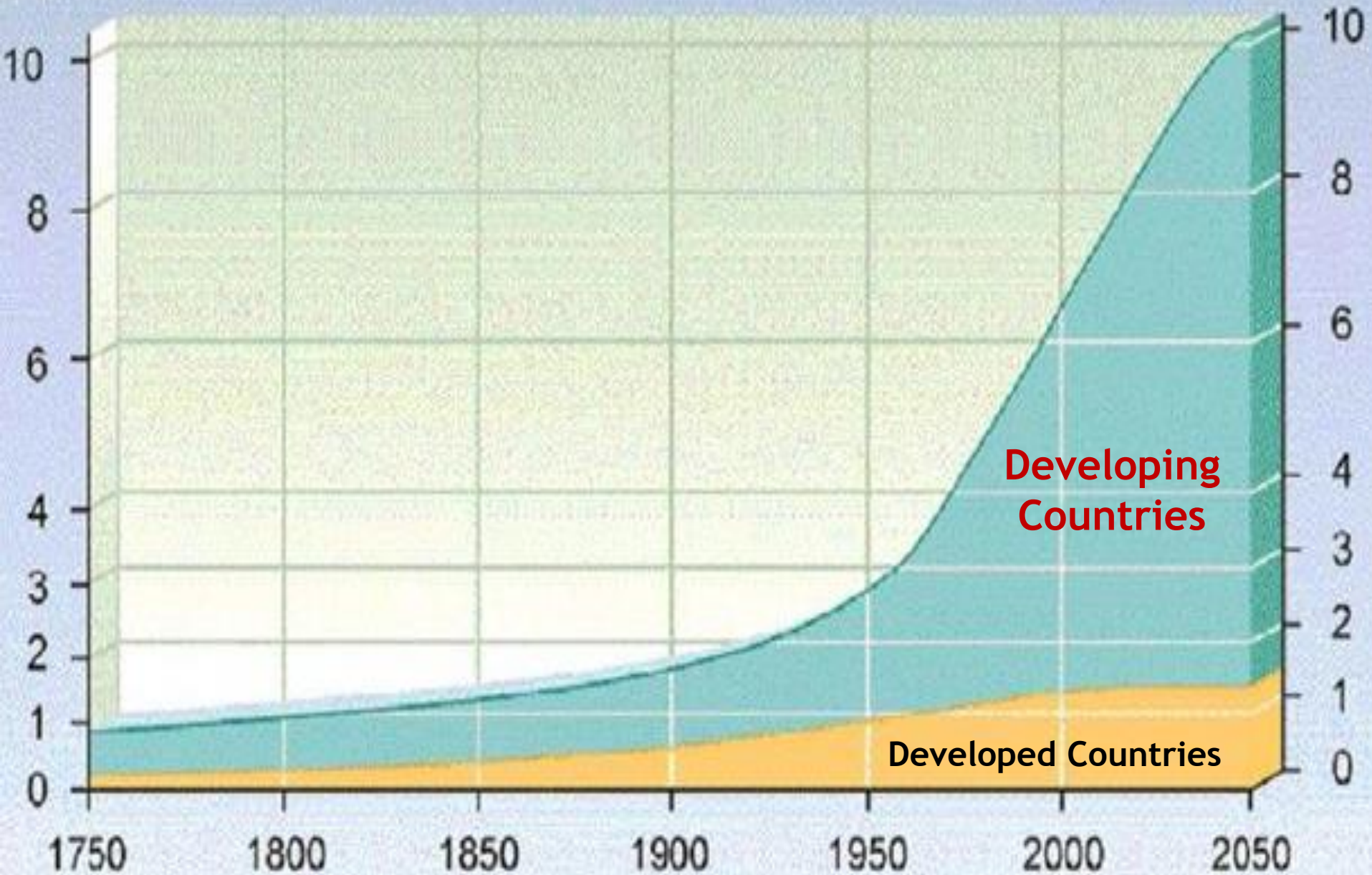
Causes 40 % of deaths  
worldwide

# We need Four Planets by 2100

*Based on current production & consumption patterns*

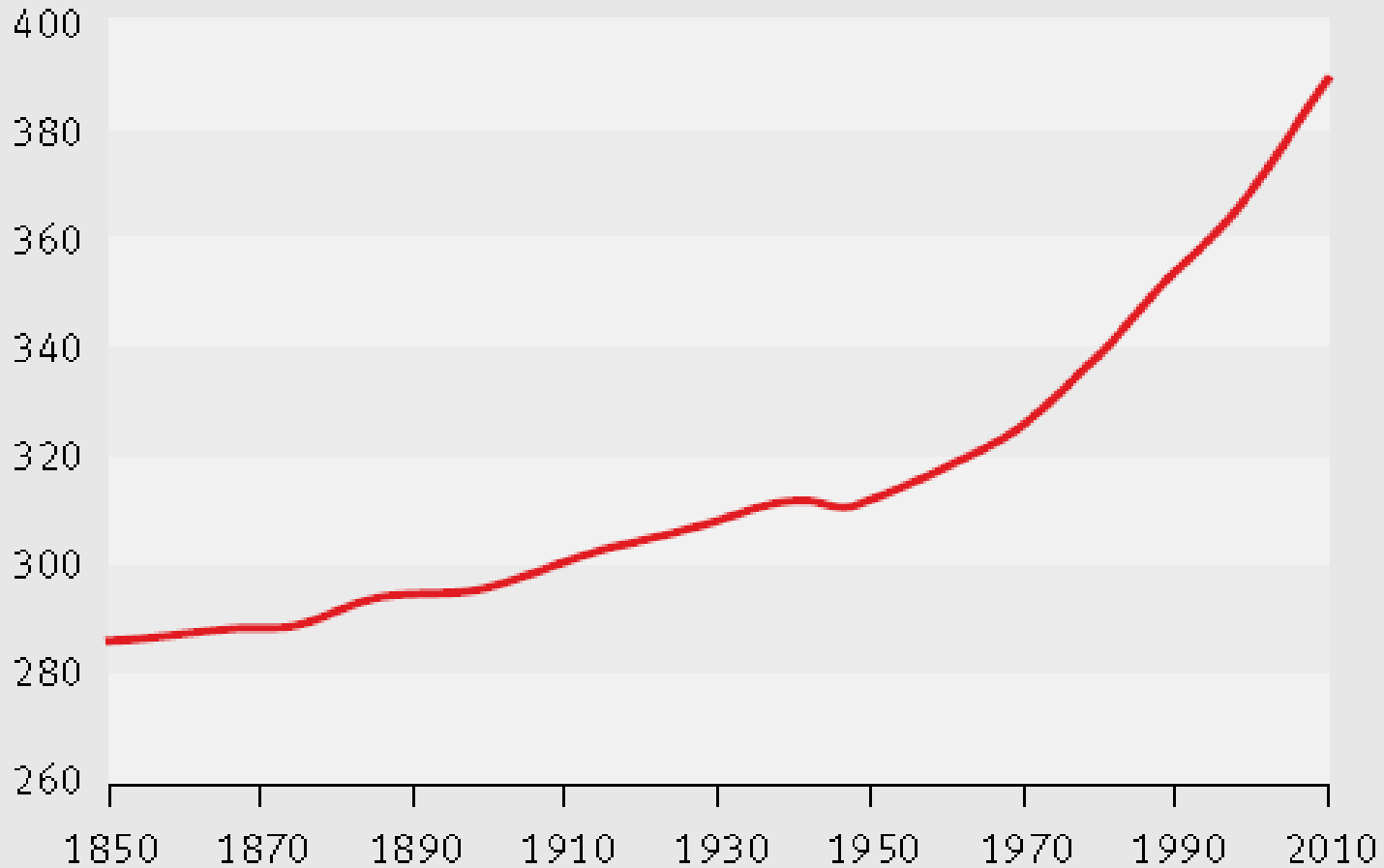


# Population Growth (in billions)



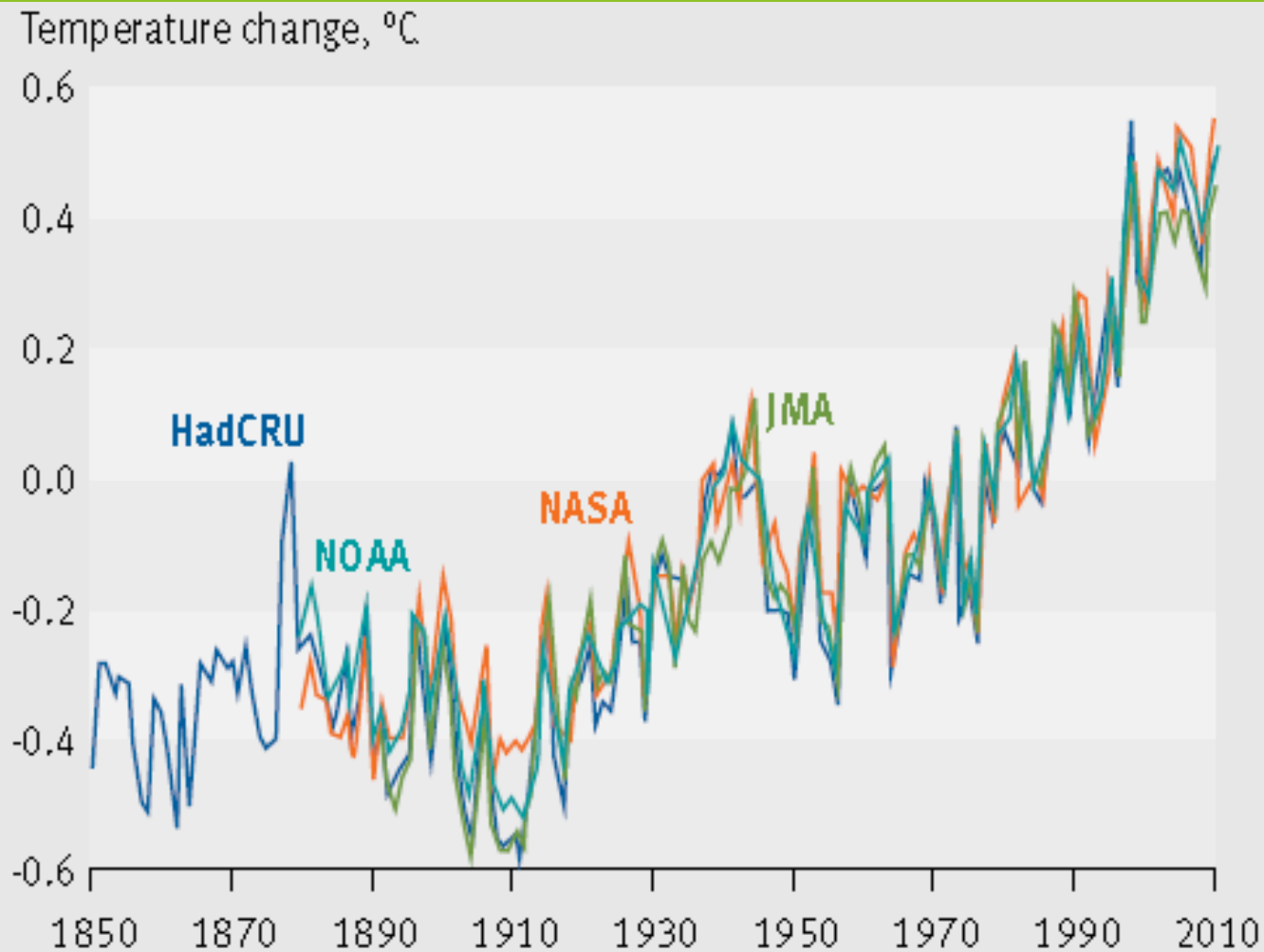
# Increasing CO<sub>2</sub>

CO<sub>2</sub>, parts per million



Source: Scripps Institute of Oceanography, NOAA

# Increasing Temperature



Note: 0 = 1961-1990 global mean

Source: NOAA NCDC; NASA GISS; Hadley Climatic Research Unit at the University of East Anglia (HadCRU); Japan Meteorological Agency (JMA)



# Footprints



# Global GHG Emissions - 2011

#	Country	Total CO <sub>2</sub> emissions (Million Metric Ton)	Per Capita CO <sub>2</sub> emissions (Metric Ton )
1	China	8715.31	6.52
2	United States	5490.63	17.62
3	Russia	1788.14	12.55
4	India	1725.76	1.45
5	Japan	1180.62	9.26
6	Germany	748.49	9.19
7	Iran	624.86	8.02
8	South Korea	610.95	12.53
9	Canada	552.56	16.24
10	Saudi Arabia	513.53	19.65

[http://www.ucsusa.org/global\\_warming/science\\_and\\_impacts/science/each-countrys-share-of-co2.html](http://www.ucsusa.org/global_warming/science_and_impacts/science/each-countrys-share-of-co2.html)

	<b>Pakistan</b>	<b>161.40 (#33)</b>	<b>0.93 (#135)</b>
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# Climate Risk Index - 2012

Ranking	Country	CRI Score	Deaths	Loss in Million US\$
1	Haiti	6.83	128	1220.66
2	Philippines	10.33	1408	1205.48
<b>3</b>	<b>Pakistan</b>	<b>12.67</b>	<b>662</b>	<b>6087.82</b>
4	Madagascar	15.67	113	356.98
5	Fiji	17.00	17	135.55
6	Serbia	17.67	28	1325.06
7	Samoa	18.33	6	220.91
8	Bosnia	21.67	13	920.21
9	Russia	22.17	716	1365.20
10	Nigeria	22.33	405	837.45

# Climate Extreme Events in Pakistan

Year	Events
July 2010	The <b>worst flood</b> swept away 20% of country's land, affecting 20 million people exceeding the combined total of affected by <u>Indian Ocean tsunami 2004</u> , <u>Kashmir earthquake 2005</u> & <u>Haiti earthquake 2010</u> .
May 2010	The <b>highest temperature</b> ever recorded in Pakistan 53.5 °C in Mohenjo-Daro •The hottest ever in Asia and •The fourth highest on Earth.
July 2009	Karachi received <b>intense rainfall</b> 245 mm in 4 hrs, killing 20 and injuring 150 people.
June 2007	Lahore's <b>highest temperature</b> (48 °C ) in 78 years.
June 2007	Two <b>super cyclones</b> developed in the Arabian Sea and hit Makran coast and adjoining countries, killing 600 persons.
July 2001	The <b>heaviest rainfall</b> of 620 mm (24 in) in Islamabad in just 10 hours.
1998-2002	Country's <b>worst drought</b> in last 50 years.















