CLIMATE CHANGE
THE NEW REALITY

BY

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THE CLIMATE REALITY PROJECT – INDIA
The Heat waves will increase and get hotter and longer...

IPCC. 2012
Aydingkol Lake, China

July 15, 2011

50.2° C

Highest temperature ever recorded in China
Dehloran, Iran
July 28, 2011
Tallil, Iraq
August 3, 2011

53°C

Highest temperature ever recorded in either country
Mohenjo-daro, Pakistan
May 26, 2010

53.5° C

Highest temperature ever recorded in an Asian City
New Delhi, India
May 31, 2012
47°C

© 2011 Raveendran/AFP/Getty Images
New York City
July 22, 2011

Paramedics administer intravenous fluids to a heat exhaustion victim during a stretch of 100+ degree days.
Global warming increases night-time heat even more, proportionally, than daytime heat.
The Ten Hottest Years on Record

The Hottest Year Ever Measured
(Statistically tied with 2005)

2010
The Extreme Events will increase and get More Intense World Over .... IPCC. 2012
As temperatures increase, the oceans evaporate more moisture into the sky.

Source: Oak Ridge National Laboratory, National Center for Computational Sciences
The Hydrological Cycle

Evaporation

[Blank]

Precipitation

[Blank]

Water Returns to the Sea

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Mumbai, India
July 26, 2005

• 94 centimeters of rain in 24 hours
• Water levels reached two meters
• The most any Indian city has ever received in one day
• The death toll in western India reached 1,000

Source: CNN.com 8/1/2005
Assam, India

July 6, 2009

Over a million forced to flee their homes

© 2009 AP Photo/Anupam Nath
Flooding could increase 10 to 30% in all regions of India

Source: INCCA, Climate Change and India: A 4 x 4 Assessment, 2010
Ayutthaya Province, Thailand
October 20, 2010
20,000,000 people affected by flooding—further destabilizing a nuclear-armed country
Sukkur, Pakistan
August 8, 2010
Alipur, Pakistan
August 10, 2010

© 2010 AP Photo/Shakil Adil
Grantham, Australia
January 12, 2011
The Great Australian Flood of 2011 covered an area larger than the entire nations of France and Germany combined.
Seoul, South Korea
July 27, 2011
Intense Droughts world over as Climate Changes
The same extra heat that evaporates water from the ocean pulls moisture even more quickly from the soil.
Al Raqqa, Syria
September 23, 2010

“I had 400 acres of wheat, and now it’s all desert.”

Ahmed Abdullah, Syrian farmer
October 2010
Intense Heat Leads to Forest Fires
Vyksa, Russia
July 29, 2010
Vyksa, Russia
July 29, 2010

© 2010 Reuters/Mikhail Voskresensky
Four months later...

World food prices reached record highs, after Russia, Ukraine and Kazakhstan halted grain exports after the record drought and fires.
FAO Food Price Index

2002 – 2004 = 100

50 100 150 200
World is witnessing Biodiversity Loss as never before…
Animal species under threat...
Agriculture: core to employment & security

- Largest economic sectors
- Geographical area 46%
- Agriculture accounts for 16.6% of GDP

- Employment 60% of country’s population
Glaciers and Poles are loosing snow, sea level is rising...
Indian glaciers have already started melting....

Pindari Glacier, Himalayas

1936
2006
The Himalayan glaciers are very important to humans because...

They are the source of 7 major Asian rivers.

They provide water to 40% of the world’s population
Reality
Speed is irrelevant if you are going in the wrong direction...
Is this CARPOOL?
Solutions for Climate Change
Ways to reduce carbon emission

1. Reduce consumption of energy
2. Use renewable energy
Install Roof lights
Buy 5 star rated appliances

More stars the better!
India plans to quadruple renewable energy generation by 2022

© 2010 Reuters/Amit Dave
Leaking Taps & Rainwater Harvesting
Battery Powered Jeepneys, Manila
November 10, 2009
SOLAR CYCLE – GREEN CELEBRATIONS
Tree planting in India
LET EVERY DAY BE ENVIRONMENT DAY

THANKS FOR BEING WITH US