GLOBAL DANGERS that make Mother Earth quite weak
The MAJOR CAUSE of all categories of NATURAL DISASTERS and frequenting NATURAL CALAMITIES is GLOBAL WARMING.
Mother Earth who is already fragile has become sick & Weak. She needs our HELP.

She is crying now which we see as Natural Calamities & Disasters.
Why the urgent need for the MANTRA “Think Globally”, “Act Locally” & “Do Domestically”? Man has travelled from Stone Age to Disaster Age via garbAGE.
SOME DISASTERS OF THE 21st CENTURY

Tsunami 2004
Hurricane Katrina USA 2005
China Earthquake 2008
BPL Oil Spill 2010

Thane 2011 uprooted 2 crore trees in
Turkey Earthquake 2011
Sindh Pakistan 2011
Brazil Landslip 2011 killed 500 people

2012 Fiji Floods
July 2012 Beijing flood
Uttarakhand flood 2013
Uttarakhand flood 2013

Hence our role hereafter should be To keep the catastrophes outside, while maintaining order in society INSIDE.
We are Living in the Age of Catastrophe

NATURAL DISASTER

MANMADE DISASTER

Natural disaster are moreover becoming increasingly difficult to differentiate from "MAN-MADE"
The connection between Air Pollution & Tsunami

- **Air pollution by Industries, Automobiles & Livestock**
- **The Green House Effect due to burning of coal, petrol & gas + LIVESTOCK**
- **Global Warming**
- **Polar Caps melting due to Global warming**

- **Rising sea level due to melting of polar caps**
- **The weight of increased water acts on the Earth Plates**
- **Earthquake due to increased water weight**
- **Tsunami when the earthquake is over 9 logarithmic scale.**
CATTLE produce more than 80 MILLION metric tons of METHANE and are responsible for 28% of the manmade sources of this devastating greenhouse gas. (Yes each grass-fed, organic “humane” cow produces same as other cattle)
REARING LIVESTOCK IS A MAJOR CAUSE FOR GLOBAL WARMING

- 32% Greenhouse gas emissions from cattle and their wastes
- 14% Fertilizer production for feed crops
- 14% General farm production
- 40% Feed crops: forgone absorption of greenhouse gases
REARING LIVESTOCK IS A MAJOR CAUSE FOR GLOBAL WARMING

Cattle produce more than 80 million metric tons of methane, and are responsible for 28% of the world’s manmade sources of this devastating greenhouse gas. (yes, each grass-fed, organic, “humane” cow produces the same as other cattle)

Source: The Journal of Animal Science

VeganStreet.com
A Trillion-Tonne Iceberg Just Broke Away From Antarctica, And Here’s Why It Should Worry Us All
Despite a recent trend of disbelief toward global warming, Mother Nature has just made herself clear. A giant, trillion-tonne iceberg has just broken away from Antarctic ice shelf, and it’s an alarm we should all be heeding.

The iceberg, which has an area of roughly 4 times the size of London at 5800 km$^2$, was part of an ice sheet known as Larsen C. Researchers at Swansea University had been watching the glacial divide for months, and using satellite imaging, they were able to determine that the iceberg ‘calved’ (broke away) from Antarctica sometime between July 10th and 12th. Hold on to your Titanic jokes for just a few more minutes, because this is actually the sign of a problem even larger than the berg itself.

Due to the rapid rising of temperatures in West Antarctica, ice shelves are becoming more fragile than ever. Not only does this massive iceberg pose a security risk to maritime traffic, its separation could cause glaciers stabilized by Larsen C to drift into the Atlantic Ocean and melt, which could raise the global water mark by 10 centimeters. The decimation of polar regions also threatens their native species, such as emperor penguins.

See it for yourself below, and read this essay by Adrian Luckman, Swansea University Professor of Glaciology and Remote Sensing.
A massive iceberg has just broken away from Antarctica, and it’s making scientists worry for the future.
It’s estimated to weigh a trillion tonnes, and has an area of 5800 sq km, the size of a small country.
The iceberg detached from the West Antarctic ice shelf Larsen C, which could now become highly unstable.
Researchers at Swanlea University had been watching the glacial divide for months using satellite imagery.
Though it may be too early to tell, this fracture in the polar landscape could be the product of global warming.
Antarctic temperatures are rising rapidly, causing ice sheets to break apart and drift into the Atlantic Ocean.
Polar animal species, like emperor penguins, are also threatened by the slow decimation of their habitats.
This giant iceberg will now be monitored intensely, as will the resulting fragility of the glaciers it left behind.
1. Polar Meltdown due to Global Warming

Ocean levels may rise up to 6.4 ft.

Who would save them?

The most dangerous common enemy, Global Warming.

Polar Meltdown

1979

2003
The Earth is becoming more earthquake prone every day. A 10 second earthquake can kill thousands of people.

The Sichuan earthquake claimed 70,000 lives.

The Bhuj earthquake of 2001 took over 25,000 lives.

The Kashmir earthquake killed over 80,000 people.
Tsunami is caused by major Earthquakes. Earthquake has increased manifold due to Global Warming. Due to increased weight of melted water from Antarctica, the plates move which results in an Earthquake. Such a natural phenomenon has no discrimination - It kills people of all religions, races, castes, colours or languages destroying millions in a seconds.

3. Tsunami

The energy was equaling to 23000 Hiroshima atom bombs.

The 2004 tsunami swept 13 countries causing damage over $7 billion.

It lead over 5 million homeless.

And 2.5 people dead.
Japan tsunami Sendai March 11\textsuperscript{th} 2011, the worst happened to human kind. Know Safety from Disaster Preparedness ExNoRa & Safety ExNoRa

3. Tsunami
Tsunami 2004 Indonesia
Deserts grow by 100 square kilometers every year.

4. Desertification

80% of land in Pakistan & Afghanistan are prone to desertification.

The Aral sea had shrunk by 75% and lake Chad by 95% since 1960.

Sahara desert is expanding at the rate of 30 km.
5. Cyclones

The cyclone which struck Bangladesh took over 300000 lives

Katrina hurricane caused an estimated loss of $5 billion

The number of hurricanes that reach categories 4 & 5 which are the most powerful and deadly has doubled over the past 35 years due to sea warming

The Bengal cyclone of 1991 took over 140000 lives
Loss on account of floods last year

FLOODS AFFECT 3 CRORE INDIANS EVERY YEAR

<table>
<thead>
<tr>
<th>Area affected: last year</th>
<th>7,351 million hectares</th>
</tr>
</thead>
<tbody>
<tr>
<td>Human lives lost</td>
<td>1,793</td>
</tr>
<tr>
<td>Cattle lost</td>
<td>85,599</td>
</tr>
<tr>
<td>Houses damaged</td>
<td>1,452,904</td>
</tr>
<tr>
<td>Value of houses damaged</td>
<td>3.7 billion rupees</td>
</tr>
<tr>
<td>Crop area damaged</td>
<td>3.725 million hectares</td>
</tr>
<tr>
<td>Value of crop damaged</td>
<td>10,951.32 billion rupees</td>
</tr>
<tr>
<td>Public Utilities damaged</td>
<td>11.86 billion rupees</td>
</tr>
<tr>
<td>Total losses</td>
<td>27.06 billion rupees ($575 million)</td>
</tr>
</tbody>
</table>
7. Drying & Dying Rivers

More than one million people depends on these 10 rivers.

Every year, one river dies.

Five of the top 10 drying rivers is located in Asia.

The River Ganga might dry up within 25 years.
8. OZONE HOLE & Ozone Depletion

Ozone, the Nature's protective umbrella has now several huge holes essentially due to excessive use of CFCs. As a consequence, more Sun's most harmful UV Rays now reach the planet and cause havoc.

See OZONE CANCER on the left margin for the causes and consequences of the depletion and the holes in the OZONE.

The Ozone Layer deterioration Over Time.

Each year, man made and nature made fires burn millions of hectares of forests worldwide.
Volcanoes release greenhouse gases, causing heavy ash fall, destroy buildings, cover fields, and sometimes take lives. Winds carrying it can reach up to 22,000 square miles.

10. VOLCANO
Our planet is losing 3 species per day due to humans moving to their space.

A total of 15589 species are currently at a risk of extinction.

Every 20 seconds, the world loses an entire species of animal or plant life.

More than 20% of marine species have died off in recent decades.

The Common Cause
Acid Rains destroy plant & animals in streams, damages forests & erodes buildings.
30 million people die of hunger every year.

Every 3.6 seconds, a person dies of hunger. Of these, 75% are children.

There are over 100 million street children in the world.

Result: Poverty & Hunger
AVALANCHEs AND MUDSLIDES
An avalanche is a rapid flow of snow down a hill or mountainside.

SINKHOLE, When natural erosion or human mining makes the ground too weak to support the structures built on it, the ground can collapse and produce a sinkhole.

VOLCANIC ERUPTIONs A volcanic eruption occurs when hot materials are thrown out of a volcano. Lava, rocks, dust, ash and gas compounds are some of the materials.
**FLOODS** A flood is an overflow of water that 'submerges' land. The EU Floods Directive defines a flood as a temporary covering by water of land which is usually not covered by water.

**LIMNIC ERUPTIONS** A limnic eruption occurs when a gas, usually CO$_2$, suddenly erupts from deep lake water, posing the threat of suffocating wildlife, livestock and humans.

**BLIZZARDS** are severe winter storms characterized by heavy snow and strong winds. When high winds stir up snow that has already fallen, it is known as a ground blizzard.
ELECTRICAL STORMS (LIGHTENING) Severe storms, dust clouds and volcanic eruptions can generate lightning. Apart from the damage typically associated with storms, such as winds, hail and flooding, the lightning itself can damage buildings, ignite fires and kill by direct contact.

Hailstorms are falls of rain drops that arrive as ice, rather than melting before they hit the ground.

A heat wave is a prolonged period of excessively hot weather, which may be accompanied by high humidity, especially in oceanic climate countries.
Ponder over the “Eco-PROBLEMS-LIST” shared here!

Save Mother Earth.
ACT fast!

“Easy to Implement SOLUTIONS” are also in this presentation!!
Accelerating Air Pollution
Bulging Soil Pollution
Deafening Noise Pollution
Continuing Coastal Erosions
Decreasing Forest Cover
Depleting Ground Water

Disappearing Bio-Diversity

Diminishing Natural Resources

Devastating Floods

Dwindling Food Sources
Farm Land becoming Building Lands

Extinction of Endangered Species

Growing Deserts

Farm Land Cancer due to chemicals

Frequenting Volcanoes
Hopping Heat Waves

Hurrying Hurricanes

Increasing Biological Imbalance

Hustling Acid Rains

Hastening Climate Change
Jostling Firestorms

Multiplying Water Pollution

Melting-fast Polar Caps

Persisting Global Warming

Inundating Seas
Sea Water entering Ground Water Shrinking Farm Lands

Skyrocketing Prices

Snowballing Typhoons

Soaring Tsunamis

Saturating Water Sources
Withering Nature

Weakening Earth-Plates

Wearing-Down Top Soil

Waning Living Species

Widening Wind Warming
Speeding Soil Warming

Vanishing Wild Life

Surging Cyclones

Swelling Ocean Pollution

Spurt in Surface Water Pollution
1. YOUR HEAD "FLOWERING MIND" via "I MY SELF" by "I ExNoRa"

2. YOUR DWELLING "HEAVENLY HOME"** via "DO DOMESTICALLY" ** by HOME ExNoRa

3. YOUR STREET "A VISUAL TREAT" via "ACT LOCALLY" by RWA ExNoRa

4. YOUR AREA "WA REH WAH" via RENDER COLLECTIVELY by ExNoRa INNOVATORS CLUB

5. YOUR PLANET "PLANT-NET" via "THINK GLOBALLY" before you do anything by ExNoRa INNOVATORS INTERNATIONAL

** Do Domestically includes your dwelling, your place of learning & your place of work. Jeevan Shastra, Life Science & Manushya Shastra, Human Science

Realise MODEL HOME (also your office, school & college), STREET & RESIDENTIAL AREA. What you need is not money but people motivated as SOCIAL CAPITAL? The 5 HABITS that will save 3 Ps, PERSON, PEOPLE & the PLANET
INNOVENTOR (INNNOVATOR+ INVENTOR), CONCEPT CREATOR, NEOLEXIAN & AUTHOR

Exn Dr Nirmal Basu, GPian

7th Sense Master & Trainer (SINCE 1991)


INNOVENTOR (INNNOVATOR+ INVENTOR), (since 1977) of nearly of 3000 IDEAS, CONCEPTS, SERVICES & PRODUCTS

AUTHOR (since 1964) 14 books & hundreds of articles, stories & research papers

PHOTO-JOURNALIST (since 1964)

NEOLEXIAN (coiner of new words) in 3 languages (since 1980)
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