



# The Climate Catastrophe: Hard Realities of a Potentially Life Ending Occurrence ("LEO")

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# Global Climate Catastrophe: China Must Save the World to Save Herself

Humanity's Scientists All Agree: The Climate Catastrophe ("CC"), Which Is Underway, Will End the World As We Know It, In No Later than 25 years (2050)  
(Consequences of the CC) (Scientists' Quotes on the CC)

The CC is Now the Primary Existential Threat to China and the World  
For Decades Humanity Has Talked About Global Warming. **No One is Implementing Global Cooling**  
To Survive, Humanity Needs to **Remove and Reduce** ("R/R") GHG/Heat in the Atmosphere  
This Will Not Happen Automatically

**We Are in a Red Cliff/Themistocles Moment.**

To Survive, Humanity Must Act Immediately, at a Global Scale to Deploy Massive Amounts of Zero-Carbon Energy to Power the (Existing/New) Technologies Necessary to R/R GHG/Heat in the Atmosphere to Reach Safe Harbor.  
All Stakeholders Must Come Together to Achieve W, X, Y and get to Z to Beat the Existential Threat

Industrial Revolution

**W: Achieve Energy Transition** : replace all fossil fuel with zero-carbon sources (~5,172GW).  
To illustrate using 1GW Small Modular Reactors ("SMRs"), Humanity needs 5,172GW

**X: Achieve Decarbonization and Net-Zero**: use zero-carbon energy to power industry, transport, building and agriculture sectors (~11,500GW)  
To illustrate using 1GW SMRs, Humanity needs 11,500GW

**Y: Cap, Peak and Turndown of GHG/Heat**: The planet is still heating. There is no automatic cooling. Requires massive human intervention. Humanity must R/R accumulated and new GHG/Heat from the climate overshoot including (i) carbon looping, (ii) tipping points, (iii) carbon bombs and (iv) war, which are exclude from the net-zero model.

**Z: Safe Harbor**: Humanity implements massive geoengineering and R/R solutions. Approximately this amount of zero carbon energy is needed to reach W and X and Y and Z (~171,233GW).  
To illustrate using 1GW SMRs, Humanity needs 171,233GW

At Current Rate of Total Global Zero-Carbon Energy Production (3,720GW) "Q" (2023): Years to Achieve W, X, Y and Z

Humanity is Dead in 25 Years

63 Years Needed (2086)

102 Years Needed (2125)

275 Years Needed (2299)

Multiple of Q Needed to Reach W, X, Y and Z in Year 1

To Survive, Humanity Must Reach Safe Harbor Before 2050 (171,233GW)

100x

220x

3200x

Industrial Revolution: 275PPM

Climate Overshoot: Period of Time When Warming Increases Past 1.5°C (500PPM)

Safe Harbor for Humanity: Achieving W, X, Y and Z: 350PPM

Mass Human Deaths

2024

2050

Future

Past

# Global Climate Catastrophe: China Must Save the World to Save Herself

Q: Why Does Humanity Face Extinction in 25 Years?

A: Capitalism's "maximize shareholder profit" mentality is the root cause of Climate Catastrophe. Since the Industrial Revolution, all global economic activity maximizes profit for the benefit of only one stakeholder (Shareholders). Humanity (even in socialist countries) teaches these values in schools. This motivation excludes balanced ethical considerations, social equity, equality, fairness and benefits sharing of all other interests including the environment and global sustainability. Humanity must transform its economic model and deployment of capital by using a new mentality, systems and tools that prioritize R/R in the next 25 years and balances all stakeholder interests, promotes benefits sharing and delivers the benefit of the social contract to all the people.

**W:** Governments massively subsidize the fossil fuel industry (USD7T/Year). Financiers (Banks, Investors, Insurers) deploy (lend, invest and insure) capital that drives Businesses (Companies/Supply Chains) to use dirty energy to generate GHG/Heat, which is trapped in the atmosphere and increases global warming. Governments', financiers' and Business's profits are 100% aligned with fossil fuel profits. Instead of transitioning to zero-carbon energy sources, the continued reliance on fossil fuels increases GHG/Heat equivalent to 365 million Hiroshima bombs each year contributing to the Climate Overshoot. Governments, Financiers and Business must transform their operations towards zero-carbon SOPs, keep fossil fuels in the ground and deploy all their resources and capital towards R/R.

**X:** Humanity mistakenly believes that achieving Energy Transition and Net-Zero/Decarbonization is Humanity's Safe Harbor. The fossil fuel industry and their Cooperators (Governments/Financier) promote an "Illusion of Solutions" to distract, delay, obstruct climate solutions. Removing and Reducing ("R/R") of all accumulated and new GHG/Heat must be the laser-focused goal of humanity. Nothing else matters.

**Y:** Humanity is not safe after achieving energy transition and decarbonization. Carbon Looping, Tipping Points, Carbon Bombs and Wars, excluded from the net zero model continue warming the planet. GHG/Heat and Climate Overshoot continues to rise until we reach "Terminal Velocity" of rising GHG/Heat and Peak/Cap before a downturn begins. This will not happen naturally. This requires immediate human intervention, and the combined efforts of nations, industry, universities, experts, financial industry, professors, NGOs to successfully develop technology to R/R accumulated and new GHG/Heat.

**Z:** The economic system profiting on fossil fuels is killing Humanity. For Humanity to be safe, it must successfully complete Energy Transition ("W"), achieve Decarbonization/Net-Zero ("X"), Cap, Peak and Turndown of GHG/Heat ("Y") and deploy massive amounts of zero-carbon energy to power the (existing/new) technologies necessary to R/R to reach Safe Harbor ("Z")

Industrial  
Revolution

# Solutions for the Current Climate Catastrophe

To Reach Safe Harbor, Humanity Must Focus on the Following 3 Goals:

## 1. Implement Massive Geoengineering Solutions With Existing and New Technology to R/R GHG/Heat

Use Dr. Kings 4Rs (Former UK Chief Scientist and Chair of the Cambridge Center for Climate Repair) :

- 1. Reduce Emissions**
  - Replace all fossil fuels with zero-carbon sources
- 2. Remove Emissions**
  - Use existing and new technologies to remove accumulated GHG/Heat from the atmosphere to decrease global temperature
- 3. Repair Ecosystems**
  - Restore degraded ecosystems damaged by the overshoot
- 4. Strengthen Resilience Against Climate Impacts**
  - Prepare communities to withstand the unavoidable effects of Climate Catastrophe to save lives

## 2. Transform Behavior and Operations of Governments, Businesses and Capital Deployers from Maximizing Profit (Old) to Implementing New Mentality, Systems and Tools that Prioritize Zero-Carbon Energy, R/R and the 4Rs by Balancing All Stakeholder Interests (New)

China's Leaders Must Support Efforts Benefiting Their Nation and the World by Ensuring That:

- i. Governments (Subsidies Granters)**
- ii. Regulators and Regulator's Implementers**
- iii. Deployers of Capital (Lenders, Investors, Insurers) and**
- iv. Businesses (Companies and Supply Chains)**

Collectively ("Ecosystem Stakeholders") Implement New Practical Systems, Standards and Tools Based on a New Value System To Change Behavior, Operations and Capital Deployment to go from W to Z, Achieve R/R Of GHG/Heat by Using the 4Rs

## 3. Unite Those Who Are Willing to Unite on Solutions (Including the Global North, Global South, BRICS and BRI Nations) and Uses its Prowess, Political Will, Industrial, Scientific and Financial Resources to implement Planetary R/R Solutions

Organize a Species-Wide Process Global Effort to Save Humanity with:

- World Governments
  - Industry
  - Universities, Professors
  - Students
  - Experts
  - NGO's, Grassroots Groups
  - New Technologies
- To Develop, Industrialize, Commercialize and Deploy R/R and 4R Solutions

Global leaders must take a leading role in driving a global effort to unite nations, the world's finest minds, experts and leverage its political will, prowess, industrial capabilities, and financial resources to implement scalable solutions that achieve R/R and the 3 Goals to Save Humanity

## Practical Solution Tools to Achieve the 3 Goals and R/R

Practical tools, based on a new value system, for all Ecosystem Stakeholders to transform their operations to achieve R/R of GHG/Heat when implementing the 4Rs:

- **“Dharma Codex”**
  - 440+ sustainability criteria are the basis for Governments to design compliance systems that empower Businesses and Financiers to successfully R/R GHG/Heat.
  - By using new inclusive values, causes balanced benefits sharing and no exacerbation of social inequalities or environmental injustices.
- **Strategic Plans**
  - Develop 1-3-5-year strategic plans for all Ecosystem Stakeholders to achieve R/R
  - Empower ecological stakeholders to increase the trajectory and velocity of capital flow and expand global market access by prioritizing R/R initiatives.
- **Sustainability and Resilience Training**
  - Implement training for all stakeholders across all levels of leadership and operating departments (directors, officers, supply chain, HR, finance) to enhance climate literacy and to implement R/R and 4Rs Framework.
- **Cooperation of Subject Matter Experts**
  - Engage subject matter experts to guide stakeholders (Governments, Financiers and Businesses) to transform systems and operations to improve on all 440+ sustainability criteria over time
  - Create actionable SOPs for achieving R/R and implementing the 4Rs effectively.
- **Support the Massive Rollout of Zero-Carbon Energy**
  - Support the planetary roll-out of all types of renewable and nuclear energy to power the existing/new technologies necessary to R/R GHG/Heat in the atmosphere to reach Safe Harbor.
  - Support Project Ubuntu which focuses on deploying baseload, scalable, zero-carbon small modular reactors globally to reach Safe Harbor as soon as possible.



# For More Information

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