

## Our Mission

The TNF believes in taking a practical approach to achieving its vision for a peaceful, prosperous, and enlightened world, by focusing on the development of infrastructure and technologies that can be used to address the problems of the world. Such infrastructure and technologies include multi-story hydroponic farming to produce large quantities of sustainable low-cost healthy food, partnering with conservation groups to protect marine habitats and combat ocean acidification, and developing reusable and biodegradable containers to reduce waste.

## Our Methods

We believe that the development of advanced infrastructural technology must be coupled with the creation of a universal culture of reason, critical thinking, introspection, self-discipline, and individuality, so as to properly maintain new infrastructure, and so as to prevent the problems we can solve in the modern day from happening again in the future. A global culture that emphasizes who we are as individuals, rather than pigeonholing us into tribes, is the key to having a greater sense of unity and cooperation across the world, and a better way to encourage unique thinkers to come up with unique solutions to the problems we face.

While the TNF is a 501(c)(3) non-profit organization, we are constantly working to increase the financial self-reliance of the TNF through the development of for-profit business subsidiaries, by partnering with people who have the interest and potential to start a business of their own, the hosting of fundraising events, and through other investments. We know that we cannot rely on donations and grants to fund our projects on a large enough scale, and that devoting profits towards public education, ecological conservation, and economic development, is the key to solving the issues we face, and the key to seeing a golden age of technological, intellectual, and philosophical progress.

## How You Can Support Our Efforts

One of the best ways you can help, is not only by encouraging others to think about *why* they do what they do, but to question *why you* do what *you* do, and set the example for thinking critically and consciously by living the example of being a positive cultural influence. You can also help spread the word by supporting us on social media, using our stickers, and passing on our reading materials to others (or at least leaving them in places where people can read them).

If you would like to volunteer or intern with us, please contact us via e-mail, mail, or via the public information line through telephone. If you have a business idea and are interested in partnering with the TNF, please contact us. If you have an alternative idea or interest in how you can get more involved, you can contact us using the information below.

You can find the articles we used as sources for this brochure and other publications by following the links under our website's "Archive" tab.



Tellus Nova Foundation  
P.O. Box 1359  
Novato, CA 94948  
Web: [www.TellusNova.org](http://www.TellusNova.org)  
E-Mail: [Info@TellusNova.org](mailto:Info@TellusNova.org)  
Tel: +1.707.297.9635



# Thinking Forward

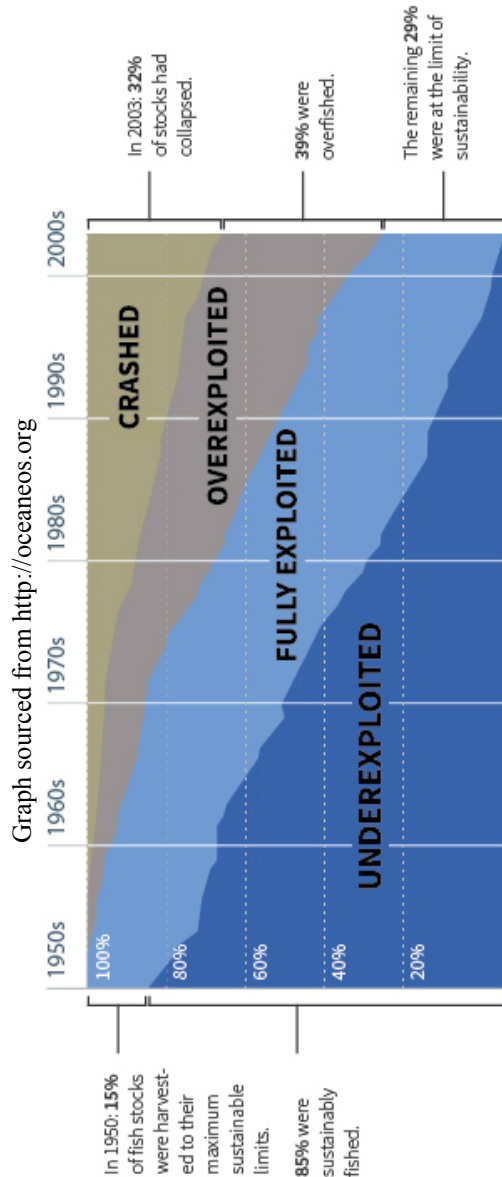


## A Brochure on the Crises of the Modern World and How We Can Solve Them



## Depletion of Marine Ecosystems

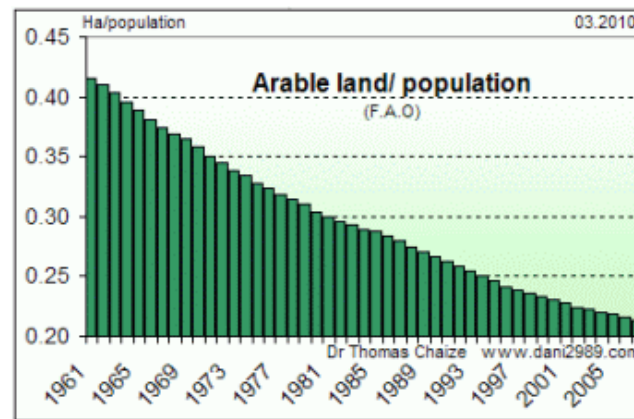
Current estimates predict that the entire planet's fish stocks will be completely exhausted before 2050 (and result in the collapse of marine ecosystems as well). Additionally, about a third of all vertebrate species on Earth are threatened or endangered, and there has been a 58% decline in the populations of fish, birds, mammals, amphibians, and reptiles between 1970 and 2012.



## Two Earths of Bio-Capacity Needed by 2030?

An estimate in the Living Planet Report put that our population on Earth will be consuming the amount of resources in one year that would take the planet two years to recover by 2030.

Graph below sourced from Dr. Thomas Chaize; Energy & Mining Newsletter



## The Crisis of Bio-Capacity

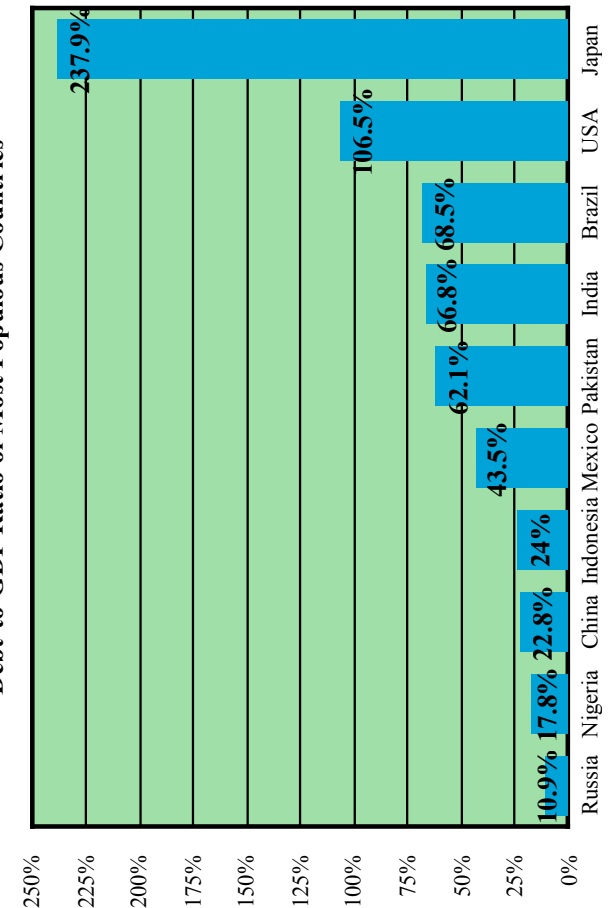
Phytoplankton populations are estimated to have dropped by 40% since 1950, and phytoplankton produce half of the Earth's total supply of oxygen. Decreasing biodiversity will slowly cripple Earth's biosphere and ability to sustain life, as the niches formerly occupied by extinct or extirpated species decay food chains and alter regional terrains and climates.

Deforestation, desertification, and widespread extinction and extirpation of wildlife is creating a recipe for disaster, and the declining supply of resources per capita, such as organic food, fresh water, petroleum, gold, and various raw materials and commodities, will likely result in continuing net inflation of market prices, growth of armed conflict, and the spreading of civil unrest in more countries. This is a future that will become increasingly stressful and competitive, and is well worth making the effort to prevent.

## Arable Land

It has been estimated that Earth has lost a third of its arable land in thirty years, with global arable land per capita at 0.39 hectares in 1965, and down to 0.22 in 2005, and still declining since then.

## Debt-to-GDP Ratio of Most Populous Countries



2013 Date Sourced from International Monetary Fund

## Insolvency Across the World

As you can see from the graph above, debt has become the norm of the world's largest countries. Global debt currently exceeds 325% of Earth's total gross domestic product, and the world total sits at around \$217,000,000,000,000 (trillion USD). This is in part due to the way the United States issues currency on the basis of debt, and has encouraged other countries and organizations to hold US currency reserves, and to use the US dollar as the primary currency in the exchange of petroleum (known as the "petrodollar"). Given current trends, major governments like the US will become insolvent in the near future, likely collapsing the value of the US dollar, along with much of the world's economies.