

THE LIVING EARTH FOUNDATION

Healing the Planet from the Ground Up!

INTRODUCTION

The Living Earth Foundation is a 501c3 nonprofit research and educational organization. Its primary purpose is to explore, discover, and advance the new regenerative organic sciences designed to cleanse and restore the biological health of the soils, air, water, and ecosystems. It seeks to achieve these ends through comprehensive research initiatives that bring together leading microbiological specialists and research technicians to pursue site-specific solutions to adverse environmental challenges – with a primary focus on the mitigation and neutralization of greenhouse gas emissions.



OUR MISSION

ECOS: Creating a Nonprofit Regenerative Organics Research Center

We are just beginning to understand the interactive complexities and expansive diversity of microscopic organisms in cleansing and restoring the biological health of our ecosystems. As a first step, the Living Earth Foundation will strategically extend its fundraising resources towards creating a comprehensive nonprofit regenerative research operation entitled the ***Ecological Center for the Organic Sciences or ECOS***.

The primary focus of this nonprofit research center will be to thoroughly study the ability of naturally occurring microbes to cleanse and detoxify contaminants - which is defined as "bioremediation". The EPA-USA states that *"Bioremediation stimulates the growth of certain microbes that use contaminants as a source of food and energy."*

ECOS research projects will be comprised of leading soil biologists, academic professionals, environmental engineers, analytic scientists, toxicologists, and other research specialists. Rather than attempting to protect trade secrets, ECOS will disseminate its findings as a neutral nonprofit organization in an open and transparent manner to expedite their applications for achieving cost-effective and long-term sustainable solutions. In addition, ECOS will pursue establishing an *"environmental decontamination center"* with the UC Disaster Resiliency Network (www.ucdrn.org) through the UCSB Bren Environmental School.

PROGRAM DETAILS

Landfill Bioremediation Pilot Project

As a pilot project, Living Earth is coordinating a collaborative public/private/nonprofit initiative to introduce regenerative microbes for cleaning up toxic compound buildup at one of the largest solid waste disposal sites in the US, the *Chiquita Canyon Landfill*. We'll be using a variety of microbial blends that use contaminants as a source of food and energy. This collaborative team will be working with the *County of Los Angeles Landfill Enforcement Agency* to test the efficacy of the microbial inoculants to bioremediate highly toxic compounds that build up in the solid waste compacted zones. Special attention will be placed on the decarbonization and neutralization of the greenhouse gas emissions of **CO₂ and methane, which will be tested and verified by NASA satellites.**

Advance Multiple Bioremediation Projects

The landfill bioremediation research project marks just the beginning of numerous environmental restoration projects that the regenerative microbes can successfully decontaminate. In addition, ECOS will begin offering its bioremediation services where there have been early signs of success in fields where there are high demands for ecological restoration which include: **oil spills and red tide decontamination; wastewater treatment operations; flood water decontamination; EPA superfund projects; livestock/poultry/fishery probiotic health services; and regenerative agricultural training.**

A Special Focus on Regenerative Organic Agriculture

The Living Earth Foundation will place special attention on assisting conventional farmers and ranchers in replacing highly impactful agrochemical dependencies with highly beneficial microbial systems which will: *a) dramatically increase the soil fertility and productivity; b) reduce input costs, c) detoxify the soil; d) improve the water holding capacity; and e) pull the airborne carbons back into the earth.*

Our nonprofit will provide highly skilled field specialists to **work side-by-side with farmers and ranchers** to provide hands-on guidance for quickly and profitably making the transition to regenerative organic practices. As each farm site is different, these onsite specialists will also work in collaboration with our biological research center, ECOS, to determine the best courses of action based on climate zones, nutrient density, soil quality, crop criteria, and other pertinent variables. Each agrarian site will thus have hard-data testing and documentation showing the cost savings and productivity results.

These new regenerative agricultural systems are consistently outperforming and outproducing conventional agrochemical applications, which in the long run will make organically grown food less expensive than chemically grown foods - thus making agrochemical farming obsolete! The primary challenge is providing agrarians with the hands-on training and professional support needed to make the organic transition quickly and profitably. Living Earth will thus use its professional and financial resources to assist in making regenerative organic agriculture the healthiest and most productive means for growing our foods, cleansing the ecosystems, and restoring climatic balance.

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