

EARTH OUR HOME: SOIL-WATER-AIR

Initiate Pilot Projects then Duplicatable Globally

It is now highly feasible to take care of everybody on Earth at a higher standard of living that any have ever known. It no longer has to be you or me. Selfishness is unnecessary. War is obsolete. It as a matter of converting our high-technology from Weaponry to Livingry.

*Buckminster "Bucky" Fuller (1895-1983)
Innovator, Spaceship Earth, geodesic dome*

RESTORATION OF CRITICAL KEYS TO LIFE ON PLANET EARTH (AS A MOTHER NOURISHES HER CHILD) SOIL-WATER-AIR

We correct and repair our carelessness of Planet Earth's Life systems: reconditioning all biological life on the planet - air, soil and water "are us" and we are them. Establish human society that operates harmoniously, connected regeneratively with the wonderful world we live in and precious resources of Soil, Water and Air.

The soil is the great connector of lives, the source and destination of all. It is the healer and restorer and resurrector, by which dis-ease passes into health, age into youth, death into Life. Without proper care for it we can have no community, because without proper care for it we can have no Life.

*Wendell Berry, Author, Farmer, Activist
The Unsettling of America: Culture and Agriculture*

PROJECTS LIST (click to read)

- [GENERAL SOIL](#)
- [MIP PERU: MISSION I'M POSSIBLE PERU](#)
- [COMMUNITY AND PERSONAL GARDENS: URBAN, SUBURBAN, RURAL](#)
- [REMINERALIZE SOIL WITH ROCK DUST - RESTORE FORESTATION AND OPTIMUM NUTRITION](#)
- [RANGE REFORESTATION/ CARBON AND WATER SEQUESTRATION PROJECT](#)

[\[return to projects list\]](#)

GENERAL SOIL & EARTH

CURRENT SITUATION FOR THIS CVAC

Our planet and her people are currently suffering from thousands of years of negligent usage by the “modern civilized world.” It is time for us to enter into reparations, creating a baseline for our own future survival as a species.

CURRENT SITUATION, STRENGTH, THREATS

Critical Action required to renew soil globally, prevents a coming ice age, enriches food production, reduces dis-ease and moderates climate change: ROCK DUST. Available nearly everywhere, rock dust is inexpensive and easy to apply. Additional items such as seaweed, green sand and composts further enrich the process.

VALUE BEING RETURNED TO THE PEOPLE

With soil restoration, planting trees and permaculture gardens, restore verdant growth of natural oxygen giving plant life, change the course of climate change, restoring verdant Earth home.

MILESTONES & TIMELINES & PROPOSED START AND FINISH TIME

To be initiated immediately. Once funds are available we will research and communicate with each organization offering planetary reparations and supply funding to help them accelerate efforts, projects and ability to hire or bring on board additional teams of those desiring by free will to participate in Earth-friendly recovery endeavors. Once we have funds and Phase 1 of effectively trouble shooting and stepping up reparation activities of 100 organizations, we will duplicate by 100 organizations at a time until there is comprehensive global action taking place.

FINANCIALS

Seed Funds to Initiate: \$1,000,000

Amplification into many sectors: \$100,000,000

Global Implementation: \$899,000,000

CONTACT: Cary Ellis & Ken Chorley, Co-Founders Global Leadership for Change (info in Bios)

[\[return to projects list\]](#)

MIP PERU: MISSION I'M POSSIBLE PERU *[this project is also listed in Community projects]*

A “BOOTS ON THE GROUND” COMMUNITY, RESTORING SOIL AND WATER IN SURROUNDING LOCAL COMMUNITIES, WORKING ON FREE ENERGY AND 3D PRINTING, HEALTH, WATER AND SOIL SUPPORTING THE LOCAL COMMUNITY, IN BUILDING BETTER LIVES FOR ALL...



PLAN: 3 Story Geodesic Edible Office and Wellness Clinic and Conference Center.

IMPLEMENTING SYSTEMS DUPLICATABLE WORLDWIDE

CURRENT SITUATION FOR THIS CVAC

MIP PERU is cleaning up tributaries and forests of the Amazon basin, some of the most critical air, soil and water supplies on Earth: Cleaning up water supplies, clean food, restoring water and soil, recycling human and animal waste / permaculture / permanent culture - using the jungle and putting it back / Clean free energy /Working with the local people / inventing the new / letting the old go away / those on this project have given up their old lives and committed to developing the new with feet in the mud / this team is doing it!



CORE ELEMENTS

MIP PERU is blending ancient bio-char technology with modern EM organisms <http://xi4.com/em-1-bokashi-bio-char-bio-gas/> teaching the locals new ways to interface with the jungle, rather than the modern way of going into

the jungle and taking from it. EM activated biochar - puts back what you took out - that is key. Removing anything from the jungle - return moisture retained bio-char/ long term hemp. Our mother earth - moisture laden effective microorganisms. Give life back to the jungle. Reclaim deserts as well - lay mat over it.

EFFECTIVE MICROORGANISMS (EM) - <http://www.emrojapan.com/> Safe, ecological and effective, developed by Japanese professor, Dr. Teruo, <http://www.emrojapan.com/about-em/about-em.html> now being used worldwide to improve water quality, improve farming systems and increase food production by up to 30%. Cost about \$.05 / liter. <https://www.youtube.com/watch?v=kJVbFmKvBvU>

GOALS, IDEALS ENVISAGED



The group in Peru is bringing into focus all the information needed to build a futuristic city of free energy and total self sustainability. In this foundational group are over 50 engineers, scientists and natural health and wellness practitioners with skill sets bringing together the intelligence, knowledge and practical skills to make this all possible.

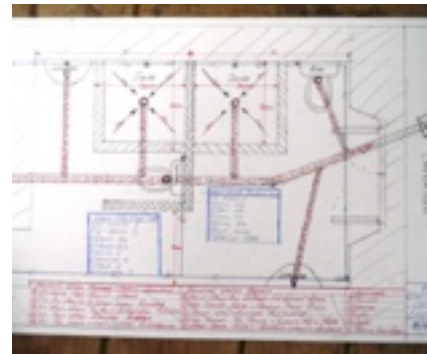
MIP Peru has taken the positive step of becoming involved with mayors of villages in order to implement constructive change, returning the wealth to the people. They are implementing practices for sanitation, clean water supplies and organic food, essential to health and well-being of all. By so doing they are implementing practices that can be duplicated worldwide.

It is the goal of MIP PERU that every village have a dome for aquaponics, economically supported by a recycling center: collect waste / give them money for that / give them 3d printed tic / go to the dome / get health care/ above is giant aquaponics center with

food. Take the recycled waste, sell it to the city for their big machines to crush it or bring crushing machine - shredder / make bags of pellets / sell it to Tarapoto or Lima make plastic roof tiles. A great self-perpetuating system. Every village has a square. Build a dome. Offer showers, toilets, food, optimized natural and traditional health care / micro projects / macro projects / huge dome / scenar / pain genie / light mandella / pulsar...



Essential elements of these efforts is turning human waste into useable biogas and utilize purified organic substances for farming; to get farmers to use natural compounds for farming; to collect steel and plastic rubbish and turn them into reusable items with 3d printing and other creative endeavors, with which the local people can obtain resources and food.



MIP 12 <http://xi4.com/2014/05/28/mission-tarapoto-peru/>

Help us build a dome for every town and village, solve water, soil, sanitation, food problems, and build a New Society village - Center of Mass Creation. Development of *Center of Mass Creation*: Seed project: \$1.5 million serving local community with health care, water and soil restoration. Eco lab with 12 technology labs. Complete Version \$15 million / scaled to various locations to duplicate <http://youtu.be/silruseexpo>

WATER: - power, purity, availability, ecological use of

New water and micro-organism technologies for purification, abundance, accessibility and renewal of this vital resource.

MI Peru Community and associates to implement models and duplicate

worldwide <http://xi4.com/em-1-bokashi-bio-char-bio-gas/>

MI Peru Community Model - regeneration of soil and water

EM Organisms - water regeneration

Community Buildings and Support for Members, Utilize EM Organisms, BioChar , Bokashi and Bio Gas

Other micro-organisms are also providing revolutionary solutions. These need to be explored, funded and brought forward.

More explanation on EM organisms

EM LATIN AMERICA (use translator) <http://www.em-la.com/>

Restoring a Rainforest

<https://www.youtube.com/watch?v=3vfuCPFb8wk>

The Chaikuni Institute - Permaculture in the Amazon - will be working with MIP PERU

<https://www.youtube.com/watch?v=CjVDWilc7Nc>

CURRENT SITUATION, STRENGTH, THREATS

Current situations of corporate misuse and local ignorance rooted in this have resulted in negligence, decimation and abuse of land, people, living things, forests, jungle and rivers. We are discovering that the local people have no idea how amazing their natural resources are and how they can be used to make their lives rich and abundant. We are finding the revelation of these things to be at the core of our connection with local tribal people. Funding would hugely assist us in moving forward in equitable, Earth friendly ways, to establish new systems and ways of being and living in harmony with natural surroundings to augment a new Earth harmonious mutually productive lifestyle, transitioning out of these old archaic damaging ways.

VALUE BEING RETURNED TO THE PEOPLE

"It's possible to rehabilitate large-scale damaged ecosystems." Environmental film maker John D. Liu documents large-scale ecosystem restoration projects in China, Africa, South America and the Middle East, highlighting the enormous benefits for people and planet of undertaking these efforts globally. <http://eempc.org/>
http://youtu.be/4R-a55FiQv8?list=PL0X1J0EUp_GNneI0i8FrV3yiFwiGMvThI

What If We Change restoration media project: <http://www.whatifwechange.org>

MILESTONES & TIMELINES

Developing a viable, delightful, interactive, productive community base here in Peru will give us feedback as we continue to intertwine with and serve the local culture. This is step one, and once completed we will move ahead into global duplication. We would like to see initial phase completed within one year's time, deepened in year two, and then going out to develop similar to our model in other needy planetary locations, always established in harmony with and to support the local culture, its resources and needs.

COLLABORATIONS AND GAPS

There are more than fifty forward thinking people now in our immediate circle of scientists, sociologists, inventors and planetary care-givers. We have a tremendous circle to draw upon to accomplish said tasks, and tasks are built around the skills we have available among our group. We are also developing deep collaborative relationships with mayors of towns and villages of the region that is bearing fruit in many ways we had not previously imagined.

MIP Peru sees itself collaborating with many of the projects outlined in this Global Funding Proposal - including education through radio, tv and web, shelters and schools for women and children, teaching of bio-intensive home gardening. We also see ourselves collaborating with Michael Waters and Michael Upstone of Global Leadership for Change to implement new conscious monetary systems gradually, ecological and sustainable organizational structures and of course honing in on best new methods of accessing free energy.

GAPS: We have been dialoging with and would like to bring in global permaculture experts and other groups who have developed ecological ways of harvesting from and living in harmony with the jungle, her rivers and tributaries, flora and fauna. At the moment here in Tarapoto for instance wild grown crops of cashews go to waste because no one has bothered to harvest them. This is a region in recovery from cocaine trafficking, and we are just in the early stages of working with the locals to explore and invent old and new ways to integrate with this amazing region.

FINANCIALS

Seed Project: \$1,500,000

Project Development: \$150,000,000 serving local community with health care, water and soil restoration, eco lab with 12 technology labs.

Global duplication \$848,500,000 all based on collaboration with and needs of local communities, to utilize their local resources in non-destructive Earth harmonious ways, regenerating systems that have been ruined through misuse, cultivating new harmonious systems.

CONTACT: Dave Stewart MIP Peru, see bio for contact info

[\[return to projects list\]](#)

COMMUNITY AND PERSONAL GARDENS: URBAN, SUBURBAN, RURAL

CURRENT SITUATION FOR THIS CVAC

Current status is that a large majority in modern civilization are not growing their own food, and were there to be any kind of global trauma stopping shipment of foods there would be a huge amount of desperation due to lack of food supplies.

We are prepared to receive funding and begin immediately to bring this vision into being and support people everywhere in making local food a reality. We will be honored to carry this project forward from an initial local project into global expression. Thank you.

CORE ELEMENTS & GOALS

OBJECTIVE: Develop and educate local and personal food production

CURRENT SITUATION, STRENGTH, THREATS

MODEL GARDEN: Has operated for 10 years in Bloomington, Indiana - serving University Campus. Operation closing down due to University construction. Without ownership of "teaching farm" we have been subject to the whims of corporate land owners (like the serfs of old) and desire to overcome this by owning properties around the world set up to teach people in local areas how to easily grow their own food.

IDEALS ENVISAGED, VALUE BEING RETURNED TO THE PEOPLE

PLAN: Purchase farm as sustainable model and education center to implement, demonstrate and launch national and international programs.

DEVELOPING:

- Sustainability of Local Food Resources
- Reducing need for shipping and fossil fuels
- Seed Savers Exchanges
- Organic Growing, Greenhouses and Aquaponics

- Eco Awareness / Farmers Markets / Local Restaurants connected
- Merging and Connecting with our Living Earth Environment
- Utilizing Grow Domes from <http://www.growingspaces.com/>
- Integrating aspects of Self-Sustaining Food Systems into Schools and Universities - experiential education
- Learning to Nurture Plants teaches us to Nurture and Nourish Self, Others and Community
- Web Presence - documenting Progress, Resources and Practices
- Video Courses - Education and Practical Application



Restoring Connection with our Food and the Earth!

Daniel Atlas, Instructor Evolved University
Global Leadership for Change

The co-creative society cannot be imposed or engineered into existence. It is nurtured into being by increasing the connections and coherence among those already initiating vital actions. It emerges when we collectively overcome the illusion of separation that has divided us, for the capacities we need — the technology, resources, and know-how — are already present in their early stages to realize our evolutionary agenda. Only a catalytic spark of shared LOVE and spiritual experience is needed to activate the great genius of humanity to join in inspired actions.

*Barbara Marx Hubbard
Conscious Evolution*



Nestled in the Colorado Mountains above 7,500 feet elevation, Joyful Journey Retreat Center's 42' greenhouse serves its purpose of providing fresh veggies year round for its residents and visitors alike.

PROPOSED START AND FINISH TIME

We have already located a farm to initiate this project, which could begin immediately. One year to establish gardens, learning and teaching programs extended into the community and duplicated online as milestones, would give us an excellent foundation to move into global duplication, to potentially take place over ten years, and then perhaps be no longer required or may emerge into new form at that time.

MILESTONES & TIMELINES

Seasons mark the development of gardens. One year of seasons will provide us with a baseline. The second year will integrate what has been created. This will allow us to set up a baseline of online digital media and teaching teams, to then go out into the world, establishing local teams to duplicate globally.

COLLABORATIONS AND GAPS

Every region will have its own needs for local gardening, soil care and preparation, zones for planting and harvesting, water supplies, solar hours, etc. We look forward to engaging with those regionally who LOVE to work with gardening in their area and cultivate collaborative ideas and solutions that can be then documented on video in our training content.

Such documentation will require our alliance with other members in this proposal particularly for developing our educational content, such as Virtual Earth Village and ExpandingU. Participating with remineralize.org and building up of soils regionally will be of the essence. Once we have established our foundational center we will seek out local experts in different regions to establish best practices. Mothers and children living and learning at shelters associated with GLC projects would be invited to come and learn how to integrate gardening into their futures.

FINANCIALS

SEED MONEY LAUNCH INITIAL FARM, EDUCATION AND TRAINING : \$1,800,000

PILOT: Educational Initiative for Gardens, Farms Nationally and Globally \$25 million

YEARLY SUSTAINABILITY BUDGET: \$3 million

GLOBAL DUPLICATION AND EDUCATION: \$863,200,000

CONTACT: Daniel Atlas, via Ken Chorley, Co-Founder Global Leadership for Change
(info in Bio)

[\[return to projects list\]](#)

REMINERALIZE SOIL WITH ROCK DUST

RESTORE FORESTATION AND OPTIMUM NUTRITION OF SOILS

CORE ELEMENTS & GOALS

AIR-SOIL-WATER: Clean, pristine air is renewed by tree and plant life's filtering system to provide oxygen and clean the air through care of soil, water, clean energy:

1. Soil replenished with rock dust minerals, seaweed and more
2. Planting-Replanting trees, and fruit trees
3. Biocompatible organic agriculture and permaculture
4. Renewal of water supports healthy plant life (*EM organisms*)
5. Clean Energy comes from a healthy system

Mineralizing the soil with rock dust offers a critical key to our very survival. John D. Haymaker was a talented mechanical engineer, ecologist, and researcher in soil remineralization, rock dust, mineral cycles, climate cycles and glaciology. He made the important correlation that our global climate issues are a result of soil demineralization, and highly at cause in global warming. He came up with a brilliant plan to remineralize soil with rock dust, by mimicking what a glacier does, without us having to go through hundreds of years in an Ice Age to get the same results.

In 1982 Haymaker wrote an extremely important book in conjunction with California ecologist Donald A. Weaver, called *The Survival Of Civilization* (accessible free online). This work inspired a growing movement toward natural remineralization of soil. Findings were corroborated by scientists in the UK. Haymaker appeared on Ted Turner's Atlanta Superstation, and Scripps Institute of Oceanography. *Scientific American* also published articles backing his work.

CURRENT SITUATION FOR THIS CVAC

Haymaker pointed out that we face the threat of an imminent ice age, and how this can be averted by remineralizing with rock dust and reforestation to restore CO2 levels

by propagating “carbon sinks” (carbon lost through deforestation) for climatic stability, *which would result in two moderate seasons each year. How wonderful is this?*

Though Haymaker has departed this World, Don Weaver continues this important work with his latest book, *Regenerate the Earth*. These two became catalysts for the founding of a great organization, Remineralize The Earth, now doing projects Worldwide. Besides mineralizing soils for better nutrition and viability, rock dust is being used to bioremediate oil spills on farm lands and in waterways, restoring soil fertility and carbon sequestration. Remineralize dot org Stepping out of “normal” routines to volunteer or participate in such work can help build a highly sustainable future.

We look forward to receiving global humanitarian funding to extend this work in such a way that it tips the balance toward a viable future. We will be honored to manage and carry this work forward, providing meaningful integration from people in many communities.

CURRENT SITUATION, STRENGTH, THREATS

Weaver and Haymaker are adamant on critical need for soil mineralization in regard to health, stating that food without mineralization has greatly reduced nutritional value, and mineralized food supports supreme well-being and longevity.

“Virtually all subsoil and most topsoil of the world have been stripped of all but a small quantity of elements [primarily by agriculture]. So it is not surprising that the chemical-grown corn had substantially less mineral content than the 1963 corn described in the USDA Handbook of the Nutritional Contents of Food..

“As elements have been used up in the soil a poor food supply in 1963 turned into a 100 percent junk food supply in 1978. There has been a corresponding increase in dis-ease and medical costs. Essentially, dis-ease means that enzyme systems are malfunctioning for lack of the elements required to make the enzymes.

“Hunza is a small country in a high Himalayan mountain valley. Health, strength and longevity of the Hunzabouts is legendary. A key factor is irrigation of valley soils with a milky-colored stream from the meltwater of the Ultar glacier. The color comes from the mixed rock ground beneath the glacier. The people are virtually never sick. They do not develop cancer. Many are active workers at 90; some live to be 120. These facts are well documented, yet the world’s “health

professionals” ignore them while continuing the hopeless search for man-made “cures.”

John D. Haymaker (1914-1994) & Don Weaver
The Survival Of Civilization: Carbon Dioxide, Investment Money, Population –
Three Problems Threatening Our Existence

Commercial food supplies are literally “foodless,” profoundly lacking mineralization that Creates Life-force. In this case, ignorance is not bliss; if we keep running this direction, humanity may have to start over again. This is a less than happy future for for our children, grandchildren, great grandchildren, their children’s children, and a sad ending for a very bright civilization. A critical move toward a viable future requires stepping out of this old “dying” system, growing a home garden in highly mineralized soil, and/or participating in the global movement to remineralize soils for our future survival as a species. Find a way to contribute or volunteer at [Remineralize dot org](http://Remineralize.org)

Does the average person realize, when eating a “cheap” hamburger at McDonald’s, deforestation of rainforest to grow the beef they’re eating is driving us toward another Ice Age and potential extinction? Ignorance is not bliss. We are living unsustainably and must change to move toward a viable future. A small movement of the rudder will land us at a different place on the shore. Our choices are critical to where we land as a civilization of the future.

Billions are made off of pain and suffering. Foundational Living in harmony with Nature and Mother Earth are critical to our very survival itself. It will be beneficial for many worthwhile to immerse in a viable Planetary future. EVERY PERSON makes a huge difference!

CORE ELEMENTS & GOALS

The truest answer is that we Wake Up. The true solution, the true magic pill, is dedication to higher ideals and practices, and the path of the Heart, harmonizing with Earth Mother Gaia. Cultivating Lifestyle to nourish Well-Being, we gradually open the door within, to be proactive in our Life and the World.

Man cannot discover new oceans unless he has the
courage to lose sight of the shore.

Andre Gide (1869-1951) Nobel Prize Literature, 1947

Wrote on freedom and empowerment in the face of moralistic and puritanical constraints

IDEALS ENVISAGED

Walking in balance with our Earth Mother, learning to harmonize our lives with our amazing ecosystem, Living at Cause rather than Effect is the prime objective of the **21st Century Superhuman**. Here are more of John Haymaker and Don Weaver's reminders about *real* secrets to good health, well-being and our very survival itself:

Ten thousand years ago the Mississippi Valley was fed and built up by runoff from the glaciers. The deep deposit of organically-enriched alluvial soil in Illinois attests to a long period of luxuriant plant growth. Yet, when the settlers plowed the valley, they did not find topsoil that would give the health record of the Hunzacs. Ten thousand years of leaching by a 30-inch annual rainfall is the difference. Man can stay on this Earth only if the glacial periods come every 100,000 years to replenish the mineral supply—or man gets bright enough to grind the rock himself.

There are several other places in the world similar to Hunza, such as the Caucasus Mountains in Russia where 10 percent of the people are centenarians. There are glaciers in the mountains. Regardless of where it is that people attain excellent health and maximum Life, it can be traced to a continual supply of fresh-ground mixed rocks flowing to the soil where their crops are grown.

Thus the secret of good health and long Life lies not in the fountain of youth or in a chemical company's laboratory, but in the acceleration of the natural biological processes. Failure to remineralize the soil will not just cause a continued mental and physical degeneration of humanity but will quickly bring famine, death, and glaciation in that order. Glaciation is nature's way of remineralizing the soil.

HOW TO GET THERE

remineralize.org - expand programs globally to rebuild soils with rock dust / additionally seaweed / compost /

We must begin to grow gardens, enrich the soil with rock dust and other organic matter. Envision yourself, family, friends and community with juicy gardens and orchards, healthier and more vital, supporting remineralization of the Planet. Our minds are brighter, when we are well nourished and mineralized. This is the cycle of Cause and Effect as we learn to understand and harmonize our lives with the natural ecosystem in which we are designed to Live.

Odd as I am sure it will appear to some, I can think of no better form of personal involvement in the cure of the environment than that of gardening. A person who is growing a garden, if growing it organically, is improving a piece of the world. They are producing something to eat, which makes them somewhat independent of the grocery business, and they are also enlarging for themselves and others, the meaning of food and the pleasure of eating.

*Wendell Berry , Author, Activist, Farmer
The Art of the Commonplace: The Agrarian Essays*

Any avid organic gardener, knows that vegetables grown in your garden taste infinitely better than grocery store produce and are Worlds apart. Delicious, sweet and “addicting” food grows in highly mineralized soils. This is why we have a natural hunger for sweetness, and why sweetness is addicting, because our bodies are looking for sweetness that is naturally occurring in foods grown in highly mineralized soil.

Highly mineralized foods are the best thing possible for us to consume. To optimally improve soil at home in your garden, obtain rock dust at your local gravel pit where rock is sorted, and incorporate it into your soil with humus, compost and other organic matter. This remineralization is essential, as we are about to learn. The land of the Hunzas in the Himalayas and Villacamba Valley in Ecuador, both are examples of highly mineralized soil from glacial runoff, boasting many centenarians.

VALUE BEING RETURNED TO THE PEOPLE

The soil is the great connector of lives, the source and destination of all. It is the healer and restorer and resurrector, by which dis-ease passes into health, age into youth, death into Life. Without proper care for it we can have no community, because without proper care for it we can have no Life.

Wendell Berry, Author, Farmer, Activist
The Unsettling of America: Culture and Agriculture

First line of defense for the body is superior mineralization. Renewal of soil happens through mineralization. Remineralizing the Earth is one of the key things we can do to mitigate climate change, sustain moderation in Earth's weather patterns, and keep our home optimally habitable for humanity and all living things.

[excerpt from *21st Century Superhuman, Quantum Lifestyle*]

PROPOSED START AND FINISH TIME:

To begin immediately by funding existing organizations such as remineralize.org internationaltreefoundation.org and many more, already poised to carry out these tasks, providing jobs for many people, thus boosting local economies, supporting the many desiring through free will to integrate with planetary supportive endeavors. Once core development has occurred - we will deepen and duplicate globally, to enhance soils in all areas where they have been depleted by agribusiness, logging, and other derogatory practices, while at the same time supporting local people to establish well being for self and family. Initial project implementation would begin immediately with a one year trial period, and then be extended over ten years globally, which at that time may be found complete and transition into other comprehensive "Earth-care" methodologies.

This would be similar to "the *Civilian Conservation Corps (CCC)*, a public work relief program that operated from 1933 to 1942 in the United States for unemployed, unmarried men from relief families as part of the New Deal. The CCC was designed to provide jobs for young men, to relieve families who had difficulty finding jobs during the Great Depression in the United States while at the same time implementing a general natural resource conservation program in every state and territory. Maximum enrollment at any one time was 300,000; in nine years 3 million young men participated in the CCC, which provided them with shelter, clothing, and food, together with a small wage.

"The American public made the CCC the most popular of all the New Deal programs. Principal benefits of an individual's enrollment in the CCC included improved physical

condition, heightened morale, and increased employability. Implicitly, the CCC also led to a greater public awareness and appreciation of the outdoors and the nation's natural resources; and the continued need for a carefully planned, comprehensive national program for the protection and development of natural resources.

“During the time of the CCC, volunteers planted nearly 3 billion trees to help reforest America, constructed more than 800 parks nationwide and upgraded most state parks, updated forest fire fighting methods, and built a network of service buildings and public roadways in remote areas.” (Wikipedia)

COLLABORATIONS AND GAPS

There obviously may be many other suggestions on restoration of climate balance and soils. We would like to become educators of Haymaker's little known work, as we recognize it as a key to future viable Life on Earth. There will be other aspects in each region to interact with such as recycling of manures and other organic waste into the soil. One of our challenges will be to invite agribusiness to participate with these ideas, in order to restore lands that have been stripped of topsoil. The path to accomplish this will most likely be by collaborating with and strengthening local organic and permaculture organizations.

We will be hugely supported by alliances with Virtual Earth Village and ExpandingU, for the creation of documentaries, radio and television shows and educational materials supporting the public in comprehending the value of this work.

MILESTONES & TIMELINES

Collaboration with remineralize.org will establish teams at key locations. Once we have implemented remineralization in a region, this will give us a baseline for duplication. In direct association with this will be implemented regional assistance to home gardens to upgrade their soil. As each of these is accomplished in initial chosen location, duplication into more regions and globally will take place.

FINANCIALS:

Seed funding to initiate projects: \$10,000,000

Project development to all continents: \$100,000,000

After demonstrating success on a local level we would request \$1,000,000,000 for intensive duplication globally over a 10 year period. This will provide extensive healing for Mother Earth and modification of current climate extremes, thus supporting well being of all creatures and humanity at large.

CONTACT: Cary Ellis, Co-Founder Global Leadership for Change (info in Bio)

[\[return to projects list\]](#)

WATER - CARBON SEQUESTRATION

Range Restoration/Carbon and Water Sequestration Project

Shining Mountain Land Services

RE: Colorado River Basin Model Project Duplicatable Globally

Funding Request: Date: October 11, 2014 From: Rio de la Vista

Shining Mountain Land Services

PO Box 777, Monte Vista, Colorado 81144 719-850-2255 riovista@rmi.net

CURRENT SITUATION FOR THIS CVAC

This project will bring together the scientific methodology for quantifiable metrics for the capture of carbon and water in soils due to management practices, the outreach to landowners and managers through existing networks, and provide tools for markets to use to incentivize best practices.

This is a new collaborative project between Shining Mountain Land Services and eraGlobal Alliance (see www.eraglobalalliance.org). **This effort has decades of background among the project partners working on global issues as well as in the focus area:** the Colorado River Basin of the Western US

The role of soils in sequestering carbon and water is a vital, yet largely unaddressed aspect of tackling climate change as well as sustaining habitats, agriculture, biodiversity and water quality and quantity.

The Phase I request for \$50,000 will launch the project in correlating various state of the art rangeland monitoring methods as developed by numerous scientists and land managers. *This information will be used to inform the Natural Resource Conservation Service's emerging "Carbon Farm Practices" and additional efforts to measure carbon and water holding changes in soils and provide incentives to increase these core ecological functions.*

IDEALS ENVISAGED

·Context & Mission: Our organization works to address global climate change and restore ecological functions through innovation, research, education and policy.

The Coordinators and consultants in this project have many years experience in developing, managing and implementing successful projects related to land, water and agriculture. From this experience, the potential of grasslands and rangelands to play a substantial role in the capturing of carbon and water.

CURRENT SITUATION, STRENGTH, THREATS

To achieve this, there are a complex of issues that need to be addressed holistically, including: management practices, monitoring and measurement of results, informing and providing valid metrics for ecosystem service markets, such as the emerging NRCS “Carbon Farm Practice” program and others.

MILESTONES & HOW TO GET THERE

To achieve this at the largest scale, we aim to implement the following phased project components:

Phase I of this Project ; (\$50,000 level)

Implement research to validate and correlate multiple monitoring methodologies including the work of Gregg Simond’s Open Range Consulting, Marin Carbon Project, Carbon Cycle Institute and other.

Phase II: (\$250,000 per state effort in US = \$13,000,000)

Work to use the verified monitoring to measure and quantify results of greenhouse gas and water holding capacity of soils, including both the restorative accomplishments of progressive managers over the past decades as well as the new implementation on degraded lands. A pilot project will identify and monitor five progressively managed ranches in the Upper Colorado River Basin of Colorado and/or Utah, US. Additional state areas can be added at the level of \$250,000 per state. Once parameters are obtained the project can be duplicated globally appropriate to region.

Phase 3: (\$5 million per state over 5 years - \$260,000,000)

- Additional work will be performed to evaluate the economic comparison of various monitoring methods.
- Provide technical assistance and training to appropriate recipients to spread the monitoring methodologies and interpretation skills in order to provide land

managers with timely feedback for their management practices and emerging markets with quantifiable results. This can be integrated into various educational and training offerings for landowners and managers across the region.

- **Focus Area:** The ecosystem(s) and the population that we serve and how our work responds to the most critical and relevant issues at hand.

This project aims to address the Colorado River Basin, starting at the headwaters in the state of Colorado. There are numerous partners who can be engaged for this effort, including The Nature Conservancy's Colorado River Project, Western Landowners Alliance, Marin Carbon Project, Carbon Cycle Institute, Colorado State University, and many more.

- **Strategy and Methodology:** The strategies and methodologies we will employ to implement our project/programs:

This project will bring together the scientific methodology for quantifiable metrics for the capture of carbon and water in soils due to management practices, the outreach to landowners and managers through existing networks, and provide tools for markets to use to incentivize best practices. Among the principle participants in this project, we have a vast network of researchers, landowners, and connections to land, water, livestock and wildlife agencies and organizations. We will bring these to the benefit of this project.

CORE ELEMENTS & GOALS

Goals, Accomplishments, and Assessment: How our organization has achieved its goals in the past and our accomplishments.

Our goals include:

- 1) validation of existing and emerging monitoring methods of carbon and water holding capacity of rangelands and grasslands in the Colorado River Basin.
- 2) the spread of those methods to relevant recipients including possibly consultants, NRCS personnel, US Forest Service and BLM range personnel, educational organizations, and land management organizations working with landowners.
- 3) The use of the methods in various emerging governmental and other potential markets for ecological services.

VALUE BEING RETURNED TO THE PEOPLE

The potential contribution is highly significant. In the early stages of this project, we will quantify the expected potential, based on existing research results such as those of the Marin Carbon Project. While the per acre potential is a fraction of the potential of farm lands, the vast acreage of rangelands compels us to consider how to best manage it for these results. There are many multiplier benefits, including increased agricultural production for ranchers, increased resiliency through periods of drought, enhanced environmental health and biodiversity on both uplands and through the network of riparian zones along the rivers and streams that comprise about 3 % of the whole of the Colorado River Basin, yet support over 75% of all wildlife. We will provide solid evidence of the multiple benefits of well managed grazing on Western rangelands, examples of the monitoring methods that are in progress in less arid areas (such as the Marin Carbon Project), and our plan to adapt those to more arid landscapes.

PROPOSED START AND FINISH TIME

Immediate implementation and a year of practices should give us feedback to hone program. We are looking at a ten year global implementation plan to transition into new management systems more harmonious with Earth and all her lifeforms.

COLLABORATIONS AND GAPS

The challenges are spreading this information and getting major land agencies and private landowners to have the right incentives to incorporate such practices. Once implemented this can be the feedback mechanism for what they do. They are still doing things the old way. What we want to do is give them information on how to do things better ways at less cost, while educating to support learning these new ways to operate. By running pilot projects we provide solid evidence of the multiple benefits of well managed grazing, also developing ability to adapt those to more arid landscapes. In more advanced phases of this project we will align with experts using satellite imaging for underground water supplies and implement techniques for monitoring quality of topsoil to develop carbon sequestration and water sustainability.

FINANCIALS

Phase I of this Project: (\$250,000 per state effort in US = \$13,000,000)

Phase 3: (\$5 million per state over 5 years - \$260,000,000)

After demonstrating success within the US we request \$727,000,000 for duplication globally of this critical planetary need.

CONTACT: Rio de la Vista (info in Bio)