

...better soil, better food, and a better planet.

III Congresso Brasileiro de Rochagem, November 8 - 11, 2016, Pelotas/Rio Grande do Sul, Brazil

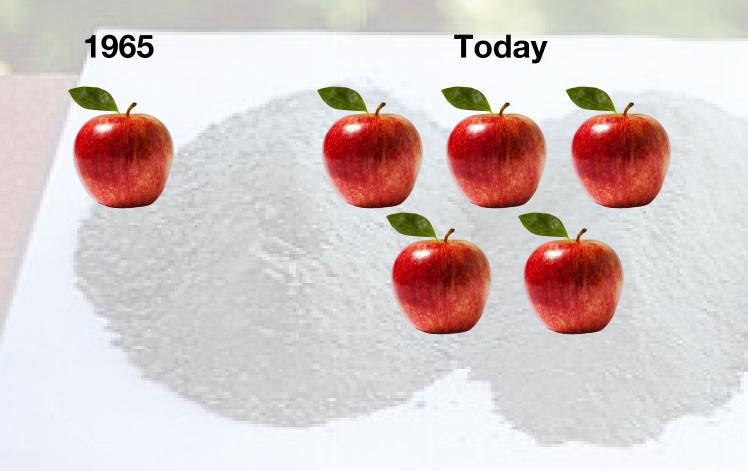
A Blueprint for a New Earth

Remineralization utilizes finely ground rock dust and sea-based minerals to restore soils and forests, produce higher yields and more nutritious food, and store carbon in soils to stabilize the climate.





Impacting Health and Healthcare

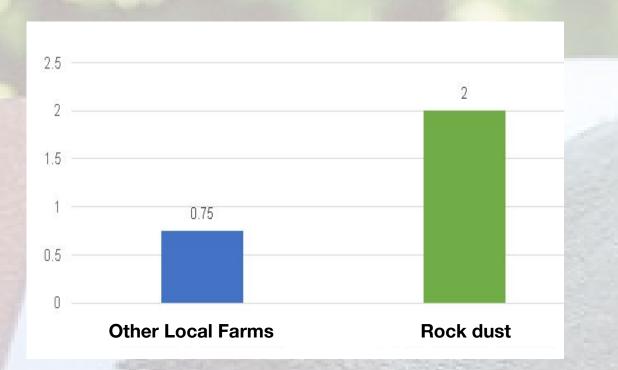


Nutrient Density

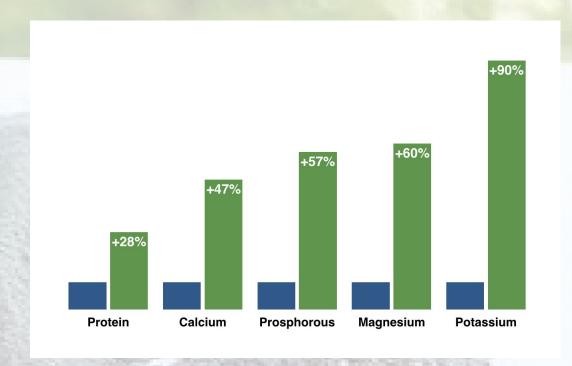
On average, you would need to eat 5 apples a day to equal the same nutrition as 1 apple in 1965.

Now imagine producing as much as 2-4 times the increased yields for agriculture **while at the same time** enhancing the nutrient quality of the food we eat.

Source: Changes in *USDA Food Composition Data for 43 Garden Crops, 1950 to 1999*Donald R. Davis, PhD, FACN, Melvin D. Epp, PhD and Hugh D. Riordan, MD



Glacial rock dust produced **65 bushels** of corn per acre, compared to **25 bushels** per acre from other local farms – with no irrigation.



Increases in nutrients compared with the same type of corn grown with chemical fertilizers nearby.

Source: John D. Hamaker, co-author with Don Weaver, *The Survival of Civilization* Michigan, 1976-1977

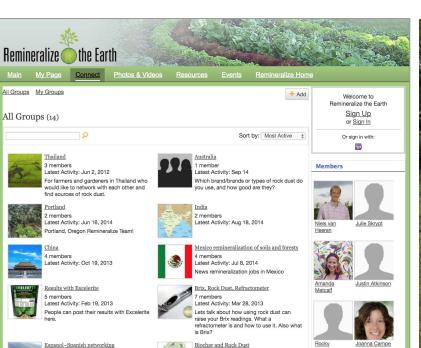
We facilitate a worldwide movement that brings together gardeners and farmers, scientists and policymakers and the public to create better soils, better food and a better planet.



Local Projects: Educational Models, Community Projects, and Research



RTE's Online Social Community



University of Massachusetts



Professor Stephen Herbert, with Brix Meter indicating nutrient density.

New Harmony Farm CSA



Dr. Thomas Goreau, weighing the harvest to get the yield.

http://remineralize.ning.com/groups

International Projects



CUSAN - Cuba Delegation



Monserrat's Volcanic Ash in Barbuda

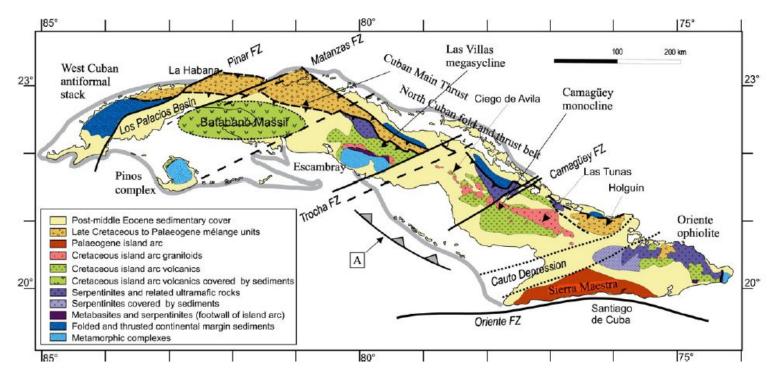


Heifer International - Sahel region, Senegal



Bahia Research Project -- UnB, dryGrow Foundation, RTE

Using Local Sources of Rock Dust in Cuba



Basalts, Granites, Sedimentary rocks are locally available. A small portable rock crusher is currently being developed that is ideal for community stakeholder projects.

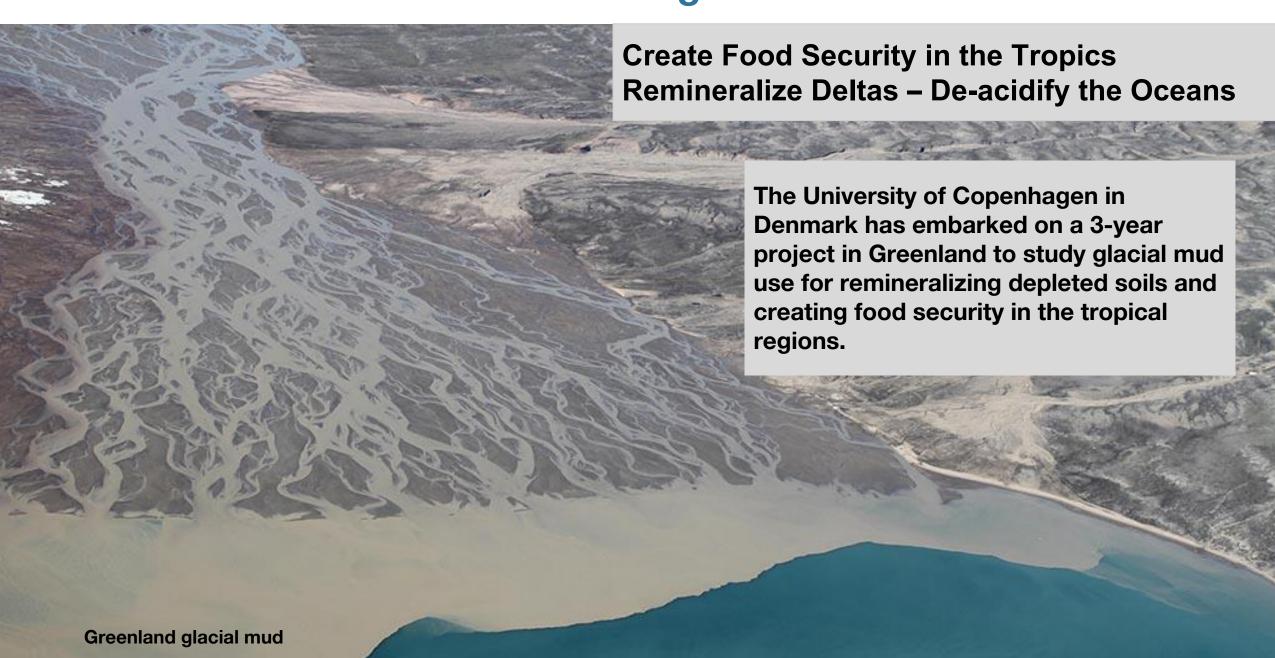


Small portable biodiesel rock grinder ideal for community stakeholder projects

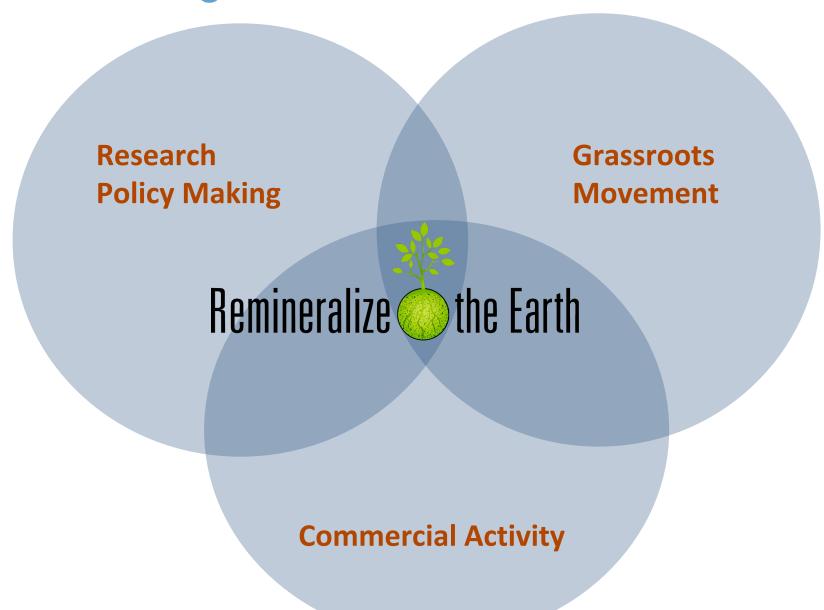
We Need to Remineralize on a Larger Scale

Remineralization of the world's soils and forests will dramatically increase carbon sequestration and is crucial to stabilizing the climate.

We Need to Remineralize on a Larger Scale



A Need for Convergence



International Projects

Research Projects

Research Database

Advocate for Agroforestry Model

Portable Rock Crushers



Our research database online is dedicated solely to remineralization.

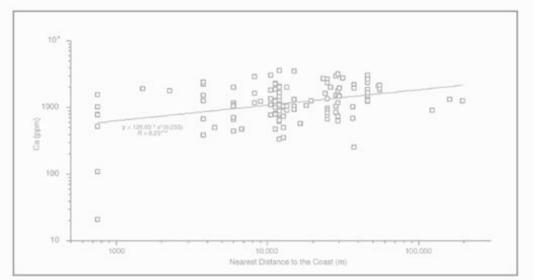


Figure 5. Calcium content of soils in this study as a log-log function of nearest distance to the coast in the sudden oak death-affected regions of California. Best-fit line of the data is a power law function (see equation). R is the regression coefficient; probability $(p) \le .001$ (***).

Table 1. Summary statistics of the chemical constituents in soil samples from sites of unhealthy trees in California.

Variable	Mean	Median	Std Dev	Units	N
Al	24.3	5.3	41.7	(ppm)	70
В	0.6	0.4	0.4	(ppm)	119
Ca	1389.0	1201.5	758.7	(ppm)	136
CEC	14.4	12.4	6.6	(meq/100g)	120
Cu	1.6	1.2	1.7	(ppm)	123
Fe	75.4	68.5	78.6	(ppm)	123
K	207.1	180.6	125.0	(ppm)	124
Mg	451.9	363,6	321.9	(ppm)	124
Mn	14.8	11.5	12.9	(ppm)	123
Na	56.3	34.7	86.3	(ppm)	124
NON	11.0	5.7	21.2	(ppm)	120
Org. Matter	4.8	4.2	3.4	(%)	120
P	28.4	13.5	34.0	(ppm)	132
pH	5.8	5.7	0.6		136
SO,-S	21.6	7.0	66.8	(ppm)	117
Sol. Salts	0.6	0.4	0.9	(mmhos/cm)	117
Zn	6.5	2.7	9.4	(ppm)	123

Byrophites and soil acidification effects on trees: the case on sudden oak death.

Lee F. Klinger

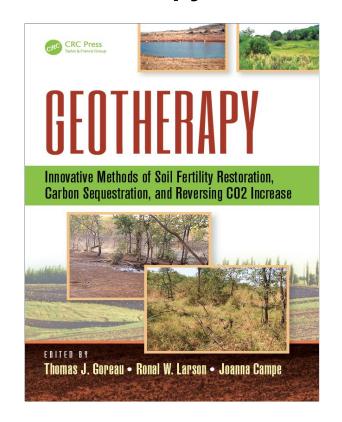
Saving dying oaks using rock dust



Learning More – Keeping In Touch



Geotherapy Book



Geotherapy Blog

Explore RTE's Geotherapy Book and Blog Geotherapy: Innovative Methods of Soil Fertility Restoration, Carbon Sequestration, and Reversing CO2 Increase is a guide to policy-making and practical steps to restore severely damaged ecosystems.

It contains new research studies with comprehensive data showing the benefits of rock dust and biochar.



Soil: The Foundation of Mineral Nutrition and Optimal Health



Restoring CO2 to Safe Levels to Avoid Severe Climate Change Impacts



Review of Geotherapy Preface: Profiles of Richard Grantham

Partners Moving Forward

Research

Agrogeologists

Agronomists; Soil Scientists

University Agricultural

Researchers

United States Geologic Survey

Dept. of Interior

Policy

International Development

Agencies United States

Department of State (USAID)

United Nations

Industry and Technology

Mining and Aggregates

Soil and Ag Amendments

Manufacturers and Distributors

Biofuels and Biochar Manufacturers

Biofuels technology developers

Transport and Logistics

Finance



World Recognition for Remineralization

Major Art Installation



Thank you!







CONTACT US

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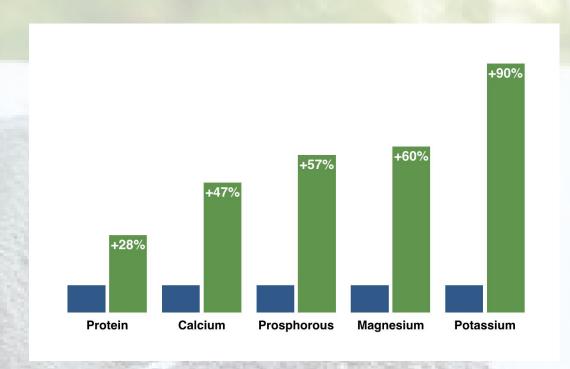


Parking Lot





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