



Soil Carbon Sequestration Update

September-October 2019

- Funding and Prize Opportunities -

Rabo AgriFinance has announced a new loan product that can make it more financially viable for farmers to seek organic certification on all or part of their crop operations.

<https://www.raboag.com/news/rabo-agrifinance-designs-industrys-first-organic-transition-loan-offering-54>

The Rockefeller Foundation has partnered with SecondMuse and OpenIDEO to launch a global prize focused on a regenerative and nourishing global food system.

https://www.foodsystemvisionprize.org/?utm_source=mailchimp&utm_medium=email&utm_campaign=food%2Bprize%2Bbrief

Applications for the Glinka World Soil Prize are closed for this year. Winners will be announced on December 5, World Soil Day. Consider applying next year!

<http://www.fao.org/world-soil-day/glinka-world-soil-prize/en/>

Cortiva Agriscience commits prize money for farmers who sequester carbon

<https://www.agriculture.com/news/business/corteva-agriscience-commits-500000-to-carbon-sequestration-strategies-for-farmers>

- Prize Winners -

Renowned soil scientist receives lucrative and prestigious German Environmental Award for her outstanding work on soil carbon sequestration

<https://www.ias.tum.de/en/news/news-single-view/article/former-carl-von-linde-senior-fellow-professor-ingrid-koegel-knabner-receives-prestigious-german-envi/>

Chef Anthony Myint and the Perennial Farming Initiative win world prize

<https://www.finedininglovers.com/article/chef-anthony-myint-wins-basque-culinary-world-prize-2019>

- Conferences -

Sustainable Landscapes and Commodities Forum November 20 & 21 in London

<https://innovation-forum.co.uk/perch/resources/slcf1901-2.pdf>

Agroecology Transitions, December 4-6, Lausanne, Switzerland

<https://origin-for-sustainability.org/en/>

FAO will host global symposium on soil biodiversity, March 10-12, Rome, Italy

[Global Symposium on Soil Biodiversity](#)

Soil & Nutrition Conference, Bionutrient Association, November 14-17, 2019 in Massachusetts

<https://soilandnutrition.org/>

Western Canada Conference on Soil Health & Grazing, December 10-12, 2019, Edmonton, Canada <https://www.absoilgrazing.com/>

2019 Soil Revolution Conference, Boulder, Colorado, December 19, 2019

<https://www.eventbrite.com/e/2019-soil-revolution-conference-registration-70653000025>

Regenerative Earth Summit, October 29-30

<https://attheepicenter.com/upcoming-events/regenerative-earth-summit-2019/>

Ninth World Climate Conference & Expo, April 6-7 2020, Bangkok - one track on agriculture and climate <https://climatecongress.conferenceseries.com/call-for-abstracts.php>

- Job Opportunities -

Project Drawdown is looking for a Director of Drawdown Labs:

<https://www.drawdown.org/careers/director-drawdown-labs>

Indigo Ag has multiple openings

<https://www.indigoag.com/join-us>

U.S. Climate Alliance Lands & Resilience Senior Associate

<http://www.usclimatealliance.org/employment>

Farm Manager, diverse organic farm in North Carolina

<https://www.goodfoodjobs.com/jobs/127427/farm-manager.html>

Government Relations Director, National Farmers Union, USA

<https://www.goodfoodjobs.com/jobs/127394/government-relations-director.html>

Los Alamos National Laboratory Carbon Cycling Scientist

<https://lanl.jobs/los-alamos-nm/scientist-23-in-soil-microbial-ecology-carbon-cycling/4F460266E2AF4B6C8BCF523A6AF1F44A/job/>

AECOM Carbon Consultant, U.K.

<https://www.environmentaljobsuk.com/jobs/9121887/senior-climate-change-consultant.asp>

Global Managing Director/Conservation Lands Focus, The Nature Conservancy

https://careers.nature.org/psp/tnccareers/APPLICANT/APPL/c/HRS_HRAM.HRS_APP_SCHJOB.GBL?Page=HRS_APP_SCHJOB&Action=U&FOCUS=Applicant&SiteId=1

Sustainable Agriculture Apprenticeship, The Center for Environmental Farming Systems

<https://cefs.ncsu.edu/academics-and-education/research-apprenticeships-sustainable-farming-systems-management-and-research/>

Director of Workforce Initiatives, Rhode Island Food Policy Council

<https://www.goodfoodjobs.com/jobs/127475/director-of-workforce-initiatives.html>

Farm Crew Member on a Regenerative Farm, Massachusetts

<https://www.goodfoodjobs.com/jobs/127469/2020-farm-crew-member.html>

- New Initiatives -

EverGreening Global Alliance announces global campaign to address climate, poverty, hunger and carbon sequestration through 6 nature-based practices. The goal is to sequester 20 billion tons of carbon annually with a focus on Tanzania, Uganda, Malawi, Zambia, Kenya and Ethiopia. <http://www.evergreening.org/>

- Scientific Papers and Reports -

High-level synthesis report of the latest climate science information convened by the Science Advisory Group of the UN Climate Action Summit 2019.

https://public.wmo.int/en/resources/united_in_science

A Roadmap to make global land carbon neutral by 2040

<https://www.sciencedaily.com/releases/2019/10/191023104624.htm>

Assessing the benefits and risks of land-based greenhouse gas removal

<https://www.sciencedaily.com/releases/2019/10/191021094004.htm>

Quantifying carbon for agricultural soil carbon sequestration: from the current status to a global soil information system

<https://www.tandfonline.com/doi/full/10.1080/17583004.2019.1633231>

Midwest beef finishing operations and soil carbon sequestration - a helpful overview

<https://www.sciencedirect.com/science/article/pii/S0308521X17310338>

Managing grazing lands to improve soils to improve climate change adaptation and Mitigation: a global synthesis

<https://www.cambridge.org/core/journals/renewable-agriculture-and-food-systems/article/managing-grazing-lands-to-improve-soils-and-promote-climate-change-adaptation-and-mitigation-a-global-synthesis/74079A2F7E88CA75FF99E4E096BC32E4#>

Warm soils release more carbon than cooler ones - some troubling signs

<https://www.sciencedaily.com/releases/2019/09/190930161925.htm>

New Zealand researchers find that deeper soils hold greater promise of soil carbon drawdown

<https://www.stuff.co.nz/business/farming/116646839/researchers-dig-deeper-in-fight-against-climate-change>

- News -

Investment in regenerative agriculture helps connect the dots

<https://civileats.com/2019/09/17/investment-in-regenerative-agriculture-connects-the-dots-between-soil-and-plate/>

Finland hosts EU Agricultural ministers to discuss the role of soil carbon sequestration in mitigating carbon emissions

<https://www.euractiv.com/section/agriculture-food/news/carbon-capture-crops-need-incentives-through-cap-eu-ministers-said/>

Can Regenerative Agriculture Reverse Climate Change? Big Food is banking on it.

<https://www.nbcnews.com/news/us-news/can-regenerative-agriculture-reverse-climate-change-big-food-banking-it-n1072941>

Why 1,000 farmers have gotten behind the Green New Deal

<https://grist.org/article/why-10000-farmers-have-gotten-behind-the-green-new-deal/>

Thailand focuses on low-carbon rice farming

<https://www.asean-agrifood.org/thai-rice-nama-brings-low-carbon-farming-technologies-to-local-farmers-in-suphan-buri/>

Crop leftovers can store huge amounts of carbon: insights from Uganda

<https://theconversation.com/crop-leftovers-can-store-huge-amounts-of-carbon-insights-from-uganda-124322>

U.S. Congress holds hearing on solving the climate crisis through agriculture

<https://climatecrisis.house.gov/agricultural-opportunities>

Regenerative Agriculture and a new vision of what Irish farming can be

<https://www.agriland.ie/farming-news/biofarm-2019-regenerative-agriculture-and-a-new-vision-on-what-irish-farming-can-be/>

Soil Degradation is linked to climate change: what can be done?

<https://www.wbur.org/hereandnow/2019/09/20/soil-degradation-climate-change>

The newest audience for Democrats' Climate Change Plans: Iowa Farmers

<https://time.com/5649768/climate-change-iowa-democrats-farmers/>

The financial sector needs to develop creative financing options to help underwrite the global transition to regenerative agriculture.

<https://www.euromoney.com/article/b1hh4gj49rglv9/finance-for-a-farming-revolution>

Soil is the key to saving family farms.

<https://www.ecowatch.com/family-farms-regenerative-farming-practices-2641025788.html>

Agribusiness is the problem, not the solution..

<http://www.ipsnews.net/2019/02/agribusiness-problem-not-solution/>

Former U.S. Vice President Al Gore convenes 300 scientists, farmers and investors to explore the potential of regenerative agriculture.

https://www.washingtonpost.com/lifestyle/food/this-is-really-dangerous-al-gore-warns-of-a-looming-food-crisis-caused-by-climate-change/2019/10/21/bd3eec7e-f1cf-11e9-89eb-ec56cd414732_story.html

More on Al Gore and regenerative agriculture

<https://www.bloomberg.com/news/articles/2019-10-30/al-gore-says-regenerative-farming-can-help-slow-climate-change?srnd=climate-changed>

Agroecological farming, not cultured meat, is key to a sustainable future.

<https://www.foodnavigator.com/Article/2019/10/11/Agroecological-farming-not-cultured-meat-is-key-to-a-sustainable-future-says-campaigner>

Sixty days of global military spending could transform soils and slow climate change - what would it take?<https://time.com/5709100/halt-climate-change-300-billion/>

YouTube Stars raise over six million dollars to plant trees around the world.

<https://www.theguardian.com/technology/2019/oct/29/youtube-stars-fundraise-plant-trees-around-the-world>

Algae may be another weapon for fighting climate change and sequestering carbon

<https://qz.com/1718988/algae-might-be-a-secret-weapon-to-combatting-climate-change/>

Why organic farming has challenges in adopting no-till practices

<https://modernfarmer.com/2019/10/the-elusive-goal-of-no-till-organic/>

Planting native prairie could be a secret weapon for farmers

<https://civileats.com/2019/10/15/planting-native-prairie-could-be-a-secret-weapon-for-farmers/>

And some troubling news.....

The news gets more frightening for those living near sea level along coastal land.

<https://www.nytimes.com/interactive/2019/10/29/climate/coastal-cities-underwater.html>

Chile pulls out of hosting December COP where soil was one of many focal points.

<https://www.climatechangenews.com/2019/10/30/chile-pulls-hosting-cop25-climate-talks/>

Carbon emissions from deforestation and loss of tropical forests, in part due to commodity agriculture, is underestimated by a factor of six

<https://www.theguardian.com/environment/2019/oct/31/climate-emissions-from-tropical-forest-damage-underestimated-by-a-factor-of-six>

USA farm bankruptcies rise significantly

<https://www.fb.org/market-intel/farm-bankruptcies-rise-again>

- Helpful Resources and Websites -

This site focuses on the U.S. food system and provides timely news and resources on everything from global supply chains to women street food vendors. The site is organized around ideas, voices, systems, and issues.

<https://newfoodeconomy.org/>

Key slide decks and presentations from the Global Landscapes Forum, September 2019

<https://events.globallandscapesforum.org/new-york-2019/presentations/>

Helpful networks, conferences and resources at Regeneration International

<https://regenerationinternational.org/our-network/>

Maps, resources, ideas from FAO Global Soil Partnership

<http://www.fao.org/global-soil-partnership/pillars-action/4-information-and-data-new/global-soil-organic-carbon-gsoc-map/en/>

There's two times more carbon in the earth's soil than in all of its vegetation and the atmosphere -- combined. Biogeochemist Asmeret Asefaw Berhe dives into the science of soil and shares how we could use its carbon-trapping power to offset climate change. Ted Talk.

https://www.ted.com/talks/asmeret_asefaw_berhe_a_climate_change_solution_that_s_right_under_our_feet?utm_source=newsletter_weekly_2019-09-06&utm_campaign=newsletter_weekly&utm_medium=email&utm_content=top_right_button

The many benefits of going organic for soil health.

<https://rodaleinstitute.org/blog/10-ways-organic-improves-soil-health/>

- Fellowships and Scholarships -

North American Carbon Program Fellowships & Jobs

https://www.nacarbon.org/nacp/job_archive_2011_2.html

33 PhD fellowships on carbon sequestration and carbon measurement - Cliff-Grads
Fellowships with ISRIC/World Soil Information
<https://www.isric.org/news/cliff-grads-fellowships-0>

Apprentice at Blue Hill at Stone Barns
<https://www.goodfoodjobs.com/jobs/127458/f.a.r.m.s.-apprenticeship.html>

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To help someone new join our listserv on Soil Carbon Sequestration [click here](#).
To submit suggested resources for the next update, please contact [Austin Badger](#).*