



Soil Carbon Sequestration Update

May 2019

New Soil Carbon Initiatives:

Perennial Farming Initiative in California

<https://www.perennialfarming.org/restoreca>

Presidential Candidate calls for Climate Conservation Corps with land restoration component.

<https://www.dataforprogress.org/blog/a-call-to-action-for-a-climate-conservation-corps>

Soil Superheroes Campaign

<https://www.greenamerica.org/soilsuperheroes>

Zero Budget Natural Farming in India delves into agroforestry and soil carbon monitoring

<http://blog.worldagroforestry.org/index.php/2018/12/19/in-andhra-pradesh-icraf-starts-dep-dive-into-science-of-zero-budget-natural-farming/>

There are landscapes and agriculture working groups at Coalition for Private Investment in Conservation exploring financing models for SOC drawdown

<http://cpicfinance.com/about/working-groups/>

New Research Developments in the Field:

Can Super Plants Help Remove CO₂?

<https://www.theguardian.com/environment/2019/apr/16/super-plants-climate-change-joanne-chory-carbon-dioxide>

Researchers create global, harmonized dataset on perennial crops and soil organic carbon

<https://www.nature.com/articles/s41597-019-0062-1>

Agroforestry creates carbon sinks in Europe while improving landscapes

<https://www.efi.int/publications/agroforestry-creates-carbon-sinks-while-enhancing-environment-agricultural-landscapes>

What role do deep soil minerals play in carbon storage?

<https://www.neonscience.org/observatory/observatory-blog/what-role-do-deep-soil-minerals-play-carbon-storage>

Current and emerging technologies for estimating SOC in agricultural soils

<https://www.sciencedirect.com/science/article/pii/S0048969719306138>

Farmers and scientists in Finland team up for field trials

<https://carbonaction.org/front-page/>

Dr. Rattan Lal intrigued by Dr. David Johnson's positive field results

<https://www.scientificamerican.com/article/can-soil-microbes-slow-climate-change/>

Scenario development for soil carbon sequestration and French Agro-Food systems

<https://www.frontiersin.org/articles/10.3389/fsufs.2019.00019/full>

The Foundation for Food and Agricultural Research and the Organic Farming Research Foundation promote soil health and profits for organic farmers

<https://foundationfar.org/>

<https://www.ofrf.org/>

More evidence that cover crops help sequester carbon and benefit our soils

<https://cropwatch.unl.edu/2019/cover-crops-and-carbon-sequestration-benefits-producer-and-planet>

Conferences:

World Agroforestry Congress

<https://agroforestry2019.cirad.fr/invited-speakers>

Soil Organic Matter in a Stressed World

<http://www.som2019.org/>

Highlights from January 2019 conference on technologies to enhance soil carbon in Africa

<http://blog.worldagroforestry.org/index.php/2019/01/17/technologies-to-enhance-and-monitor-soil-carbon-for-africa/>

Policy Developments:

Climate change, policy and carbon sequestration in China - a special feature

<https://www.pnas.org/china>

Nebraska passes Healthy Soils legislation

https://www.omaha.com/opinion/editorial-legislation-promotes-a-soil-health-initiative-for-nebraska-agriculture/article_19709b6a-26e2-5710-8f0b-f6ddce64e6dc.html

Catalog of state policies in the United States

<https://soilhealthinstitute.org/resources/catalog/>

Recent state developments

http://www.agrinews-pubs.com/news/states-taking-steps-to-improve-soil-health/article_c310bc8e-4b7b-54d1-9130-758b58ab96ac.html

New Zealand commits to zero carbon by 2050 but excludes methane from animal herds

<https://www.climatechangenews.com/2019/05/08/new-zealand-introduces-zero-carbon-bill-concession-farmers/>

UNFCCC Process and Soil Carbon:

The big picture on UNFCCC process and land use, including Koronivia process

<https://unfccc.int/topics/land-use/the-big-picture/introduction-to-land-use>

Overview of submissions from governments and NGOs - soil carbon, agriculture and climate

<https://www4.unfccc.int/sites/submissionsstaging/Pages/Home.aspx>

United States government submission on soil carbon and agriculture - Koronivia Process

<https://www4.unfccc.int/sites/SubmissionsStaging/Documents/201905071117---United%20States%20Koronivia%20Submission%20May%202019.pdf>

North America Climate Smart Agriculture Alliance Submission

[https://www4.unfccc.int/sites/SubmissionsStaging/Documents/201905052018---NACSA
A%20Adaptation_Soil%20Health%20Submission%20for%20KJWA_May%202019.pdf](https://www4.unfccc.int/sites/SubmissionsStaging/Documents/201905052018---NACSA%20Adaptation_Soil%20Health%20Submission%20for%20KJWA_May%202019.pdf)

Media and Communications:

The Guardian's George Monbiot, youth climate leader Greta Thunberg and others call for a massive effort to rewild the planet and sequester carbon

<https://www.theguardian.com/environment/2019/apr/04/so-many-ways-big-and-small-to-capture-carbon>

California focuses on Healthy Soils on Earth Day

<https://plantingseedsblog.cdfa.ca.gov/wordpress/?p=17707>

Video archive on healthy soils and farmer stories - Kiss the Ground

<https://kisstheground.com/category/videos/>

Carbon Farming can Help Address Climate Change

<https://www.thenation.com/article/agriculture-carbon-farming-ranching-soil/>

A farmer tells her story - investing in soils also helps our communities

[https://www.sj-r.com/opinion/20190419/guest-view-investing-in-soil-health-is-investment
-in-our-community](https://www.sj-r.com/opinion/20190419/guest-view-investing-in-soil-health-is-investment-in-our-community)

Climate change being propelled by soil damage.

<https://www.bbc.com/news/science-environment-48043134>

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To join our listserv on Soil Carbon Sequestration [click here](#).

To submit suggested resources for the next update, please contact [Austin Badger](#).