



“4 per 1000” Initiative, Soils for Food Security and Climate

Editorial by Paul Luu



We have reached the middle of 2019, and we already have to think about our annual meeting during the COP of the CMNUCC. This year, COP 25 will be held in Santiago, Chile from 2 to 13 December. As we have been doing for more than 3 years now, the "4 for 1000" Initiative Day, which brings together the Partners Forum and the Members Consortium, will take place during the second week of COP25. The [website dedicated to this 3rd day](#) is opened, and I would like you to book Wednesday, December 11 in your diaries.

Our campaign of requests for contributions from members of the Consortium is ongoing and has already received positive responses. Even if these combined responses are far from meeting our expectations, they nevertheless represent a first round of support that we appreciate and that will allow us to go further in the realization of our roadmap. You must continue your efforts and we are counting on you to keep the momentum growing.

Since newsletter n°4, two calls have been launched by the Initiative, both with a initial deadline of 15 September: postponed until the 30th:

- The call for projects for evaluation, intended to bring out many projects to implement the objectives of the "4 per 1000" Initiative at the field level. The STC looks forward to these projects to be evaluated, the best of which will be proposed to the donors who follow us;*
- The call for applications for the partial replacement of STC members to begin on 1 January 2020 (3 members from the Africa, Oceania and Latin America regions will be designated by the Consortium in Santiago).*

Please share these two calls in your network so that all those interested in the "4 per 1000" Initiative can present a project or apply.

As announced, the Initiative has now become active again on Facebook, Twitter and LinkedIn. Please join our various social networks, and relay the information within your own networks. Of course, remember to send us your information and news so that we can share them on our website and social networks.

This newsletter is yours!

We are relying on you to keep the Initiative going!

Dr. Paul LUU, Exécutive Secretary

Launch of the website of the 3rd “4 per 1000” Initiative Day

On the occasion of the [COP 25 de l'UNFCCC](#) in Santiago, Chile (2-13 December 2019), the **"4 per 1000 Initiative: Soil for Food Security and Climate"** is organizing, with the support of the FAO Regional Office for Latin America and the Caribbean (FAO RLC), the **3rd "4 per 1000 Initiative Day", on 11 December 2019.**

This day, which is now annual and is being organized in conjunction with the UNFCCC COP, will bring together the 4th meeting of the Form of Partners and the 5th meeting of the Consortium of Members.

For information, the Scientific and Technical Committee will hold its 8th meeting in the national offices of [INIA Chile](#), on Dec. 9 and 10, in order to submit a report to the Forum and the Consortium on the day of the Initiative.

To register for the 3rd day of the "4 per 1000" Initiative click [here](#)

All information is on the [website of the 3rd day of the Initiative "4 for 1000"](#) (agenda, call for posters, access plan, practical information ...).

Your financial support is vital to the "4 per 1000" Initiative

The International "4 per 1000" Initiative: Soils for Food Security and Climate, aims to demonstrate that agriculture, and in particular agricultural soils, can play a crucial role in food security and climate change.

By financially supporting the Initiative, you enable it to fulfill its missions

The "4 per 1000" initiative has the following mission:

- To promote carbon sequestration in soils to combat climate change and food insecurity.
- To invite all voluntary actors around the world to take concrete actions to store carbon in soils through agriculture and forestry, and to share the type of agro-ecological practices to achieve this, such as conservation agriculture, agroforestry, regenerative agriculture, landscape management, etc.
- To encourage actors, on a global scale, to engage in a transition towards a productive, highly resilient agriculture, based on adapted land and soil management, which will create jobs and income and thus bring about sustainable development.
- To support the most advanced research in this field.

After more than three years of existence, the "4 per 1000" Initiative currently needs to find new sources of funding. A campaign to solicit contributions from Consortium members, and partners of the Forum, was launched in June and has already received positive feedback.

The "4 per 1000" Initiative is counting on you to amplify the movement and thus ensure the sustainability of its missions.

Your financial contribution supports the implementation of the actions included in the 2019 Roadmap

In particular:

- The launch in July 2019 of an international call for projects by the Scientific and Technical Committee (STC) of the Initiative, for the evaluation of organic carbon sequestration projects in soils
- The organization of:
 - annual meetings of the Partners' Forum and the Members' Consortium of the Initiative
 - the "4 per 1000" Day
 - the two annual meetings of the STC
 - annual regional meetings of the Initiative (Africa Meeting in 2018; Asia Meeting in 2019; Latin America Meeting in 2020)
 - specific workshops on the sidelines of international events.

You wish to support the Initiative financially, a simple 3-step process

1. Contact Mrs. Béatrice Breton-Askar, in charge of donor relations: beatrice.breton-askar@4p1000.org
2. **Signature of a Financing Agreement**, between the CGIAR System Organization, on behalf of "4 per 1000" and the Contributor
3. After both parties have signed, the CGIAR System Organization, on behalf of "4 per 1000", issues an **invoice** referring to this Agreement, sends it to the Contributor who pays it by **transfer** to a CGIAR System Organization account, on behalf of "4 per 1000".

The Secretariat of the "4 per 1000" Initiative will justify the use of the funds by providing an activity report, specifying the allocation of the Contributor's funds.

We thank you in advance for your support.

The Executive Secretariat is still looking for a secondment related to a Communication officer and webmaster. If your institution or organization wishes to provide such a secondment, please contact Dr. Paul LUU: paul.luu@4p1000.org

The "4 per 1000" Initiative on social networks

A guide to the various digital communication tools made available by the Executive Secretariat was sent to all partners and members with some examples of practical actions to implement for each social network of the "4 per 1000".

Social Media of the "4 per 1000" and URL addresses:



Facebook Page: [4p1000 Initiative](#)

www.facebook.com/4p1000 or fb.me/4p1000

Facebook Group: [All 4p1000](#)

www.facebook.com/groups/all4p1000



Linkedin : [4p1000 Initiative](#)

<https://www.linkedin.com/company/4p1000initiative/>



Twitter : [@4per1000 #4p1000](#)

www.twitter.com/4per1000

"We are relying on you to keep the Initiative going! For this, we need you to "like", share, follow, relay and encourage your contacts to join us."

Dr Paul Luu, Executive Secretary

Creation of the Bureau of the "4 per 1000" Initiative

At the last Consortium meeting in Katowice, it was decided to create a Bureau of the "4 per 1000" Initiative. The "purpose" of the Bureau is to provide the initiative with a support and advisory body for the work of the Presidency and the Executive Secretariat, within the framework of the operational program of the initiative between two meetings of the Consortium.

The Bureau plays also a role of animation in the colleges of partners and members of the Initiative.

The first meeting of the Bureau was held on 9th September. More information [here](#)

4p1000 first call for formative assessment of projects by the STC of the Initiative

This original idea aims to bring out field projects in the spirit and framework of the objectives of the "4 per 1000" Initiative, projects to be submitted to the STC evaluation. Projects that receive a positive appraisal will be offered to major international donors who will be able to grasp them and submit them to their own selection criteria for funding. The call opens on July 15 and closes on September, 30th.

Further information [here](#)

Solemn appeal of the Planet A speakers to the European decision-makers

At the end of the 2nd edition of the [Planet A Forum](#) (June, 27-28, 2019 - Chalons en Champagne - France), a [solemn appeal of the speakers to the European decision-makers](#) was launched for the next Common Agricultural Policy to make regulatory provisions conditioning European aid to a soil protection obligation.

Save the date!

The 3rd Day of the "4 per 1000" Initiative will be held on Thursday, Wednesday, December 11, during COP25. COP25 will be held in Santiago, Chile from December 2nd to 13th, 2019. A meeting of the STC will also be held during COP25, December 9th and 10th, 2019.

To register [here](#)

Save the date!

CAP AGROECO, the meetings of agronomic performance, will take place on **1st and 2nd October 2019 in Saint-Bonnet-de-Mure**, near Lyon (France). More information [here](#)

7th International Symposium on Soil Organic Matter - Hilton Adelaide, South Australia - 6-11 October 2019
More information [here](#)

5th Global Science Conference on Climate Smart Agriculture - October 8-10, 2019 - Bali

Organized by CGIAR, ACIAR, the ministries of Agriculture of Indonesia and Netherlands, the conference will have the overarching theme, *'Transforming food systems under a changing climate'*, and will be held for the first time in Asia.

Its objectives:

- To mobilize the knowledge needed for food systems transformation under climate change
- To catalyze the partnerships needed for transformation, bringing together all key stakeholders, from scientists, policy makers, investors and farmers.

Conference website [here](#)

Climate Chance Summit Africa - October, 16-18, 2019 - Accra, Ghana
More information [here](#)

The third annual **Regenerative Earth Summit (RES19)** - a unique convening of global leaders from across industry sectors, agriculture, academia and civic service, will be held on **October 29 and 30, 2019 in Boulder, Colorado, USA**
More information [here](#)

The Intergovernmental Panel on Climate Change (IPCC) recently published a [special report on climate change and land](#)

For too long, agriculture was seen merely as a greenhouse gas (GHG) emitter, yet it has major potential to mitigate and adapt to climate change, as highlighted by the "4 per 1000" Initiative.

The IPCC report lists and assesses several possible solutions, in the light of various criteria. [Julien Demenois, ecology researcher and "4 per 1000" correspondent at CIRAD, deciphers its contents.](#)

They Act!

Discover of different partners and members' projets

SBSTA50

The "4 per 1000" initiative, CCAFS and the University of Vermont co-organized with Cirad, INRA and IRD, [a SBSTA50 side event "Enhancing NDC ambition through soil organic carbon sequestration: A science-policy dialog"](#) on 26 June in Bonn (Germany)

To read the publication **"Enhancing Nationally Determined Contribution (NDC) ambition for soil organic carbon protection and sequestration - Dr. Liesl Wiese, Dr. Viridiana Alcantara-Shivapatham, Dr. Lini Wollenberg**, click [here](#)

The **Koronivia workshop on soils** showed a constant interest in science, particularly in MRV and co-construction of practices. It was introduced by a **presentation by Claire Chenu, member of the Scientific and Technical Committee (STC) of the "4 per 1000" Initiative. The co-chair of the Integrated Research Group of the Global Research Alliance (GRA) on Soil Carbon and a member of the STC of the "4 per 1000" Initiative, Beverley Henri, presented the GRA; and Jean-François Soussana presented CIRCASA.**

In conclusion, these points underlined by **Claire Weill (INRA)**:

- Support for a quantified and practical soil organic carbon target for transparency in the NDC Uncertainty should not impede action, we can learn by doing (research).
- The good news is that we have co-benefits of carbon sequestration (adaptation, water, mitigation, biodiversity), which provides an entry point for action and opportunity for integrated approach to policy/programs/policy coherence
- Policy coherence and stability are necessary for long-term carbon sequestration
- Work with stakeholders to identify implementation strategies, relevant to country-specific conditions, taking into account existing national policies, programs and practices.

The **next workshop in December at COP25** in Santiago de Chile will focus on **"Improving nutrient use and livestock manure management for sustainable and resilient agricultural systems"** and **submissions are expected by 30 September.**

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Discover of different partners and members' projects

On July 4, 2019, the **International Seminar on Climate Change and Food Security "Challenges and opportunities for regional agriculture"** took place at the **Cultural Center of Science of Buenos Aires** (Argentina). The Seminar organized jointly by the Ministry of Environment and Sustainable Development, the Secretary of Agroindustria, the Ministry of Production and Labor, IICA (Inter-American Institute for Cooperation on Agriculture) and GPS (Group of Southern Producing Countries) has had the general objective of channeling the contribution of agriculture to the mitigation of climate change and the contribution of the countries of the Southern Cone of America in improving the net carbon balance in soils.

The seminar has had four panels:

Panel 1. **Agriculture and climate change** with the objective of contextualizing the debate on the role of agriculture in mitigating climate change. Ponents were Kelly Witcowski (Agriculture and Climate Change Program, IICA) and Carlos B. Gentile (Secretary of Change Climate and Sustainable Development)

Panel 2. **The contribution of agricultural activity to carbon sequestration: the situation in the South region** with the objective of knowing the methodologies, data, studies and regional advances on carbon sequestration in the countries. Ponents were Ernesto Viglizzo (CONICET / Group of South Soil Producers-GPS), Walter Oyhantcabal (Ministry of Agriculture, Livestock and Fisheries of Uruguay), Davi Bungenstab (EMBRAPA), and David Lacroze ("Mesa de ganados y carnes" - *argentinian association of different stakeholders in the food chain to discuss issues about the trade*)

Panel 3. **Carbon balance in the soil** with the objective of knowing the methodologies and work that are being developed by the global institutions and Argentina to monitor the dynamics of carbon in the soil. Ponents were Paloma Melgarejo (International Initiative "4 per 1000", by videoconference), Ronald Vargas (World Soil Alliance, FAO), Luis Urriza (Undersecretariat of Agriculture. Secretariat of Agribusiness), Federico Olmedo (EEA Mendoza, INTA) and Marcos Angelini (Soil Institute, INTA)

Panel 4. **Climate change, food security and trade** with the objective of analyzing the linkage of the climate change agenda and global agrifood trade. Ponents were Guillermo Valles Galmés (Producers of the South Group, GPS), Nelson Illescas (Institute for International Agricultural Negotiations, INAI), Adriana Campos Azofeifa (International Trade and Regional Integration Program, IICA) and Nicolás Lucas (Directorate of Sustainable Productions, Secretariat of Agroindustry)

The videos of the interventions and the presentations can be consulted [here](#)



WOCAT organized the event "Projects on climate change mitigation" during the [14th Conference of the Parties \(UNCCD COP14 - Combating Desertification](#), in New Delhi, India).

[WOCAT](#) is a global network on Sustainable Land Management (SLM) that promotes the documentation, sharing and use of knowledge to support adaptation, innovation and decision-making in SLM.

The ambitious goals of the Carbon Action platform have taken a momentous leap forward as [funding for the STN MULTA research consortium led by the Finnish Meteorological Institute has been granted for 3 years.](#) The Carbon Action platform, launched by **Baltic Sea Action Group (BSAG)** in 2017, works to promote and verify the carbon sequestration of agricultural land. The three-year funding was granted through the Strategic Research Council's Program Call titled "Towards a Sustainable, Healthy and Climate-neutral Food System (FOOD)" and it will enable long-term research on soil carbon sequestration and carbon storage and the continued work of the Carbon Action pilot.

The "4 per 1000" Initiative helped this project to obtain funding.

Save the date!

European Commission (DG Environment) is pleased to invite you to the conference 'Soil and the SDGs: challenges and need for action' - Brussels - November, 25, 2019

The conference targets policy-makers, researchers, representatives of NGOs and other stakeholders active in the protection of land and soil.

The conference is free of charge but registration is mandatory.

For more details about the conference and to register please click [here](#)

World Soil Day 2019, Soil erosion... a new item! Local and territorial solutions.

By the Association Française pour l'Etude des Sols (AFES) - **December 6 at the Palais des Arts in Vannes, France.**

Information and registration [here](#)

TUFTS University (USA) is preparing, with the "4 per 1000" Initiative, the organization of a Symposium in Boston in January, 2020 (dates to be confirmed).

Regeneration Canada is pleased to announce the next edition of the Living Floors Symposium in Montreal, in March, 18-21, 2020!

The 2020 Symposium will focus on the climate emergency and real regenerative solutions leading to collective action.

More information [here](#)

More events [ici](#)

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[The International Meeting of the Agriculture of the Living](#) took place in Paris in February 2019.

To see or see again in videos some moments (in French) of this event organized by [Ver de Terre production](#):

- [Introduction to the International Meeting of the Agriculture of the Living](#)
- [Introduction by Stéphane Le Foll, Mayor of Le Mans, former Minister of Agriculture and Vice-President of the "4 per 1000" Initiative](#)
- [Storage of Organic Matter in Soils - Speech by Claire Chenu, soil scientist, professor of soil science at AgroParisTech and member of the Scientific and Technical Committee of the "4 per 1000" Initiative](#)
- [Youtube channel of Ver de Terre production](#)

The **First Great Lakes and Catchment Management Conference (1st GLACAM)** took place from 5th-7th June 2019 at the Water Resources Institute, Entebbe, Uganda under the theme: **"Protecting water and land resources in Africa for climate change adaptation and improved livelihoods"**.

The conference was attended by more than 200 scientists, practitioners, policy makers, academia, research fellows, private actors and students from Uganda, Kenya, Botswana, South Sudan, Congo, Mali, Benin, South Africa, Germany, and Malawi.

Click [here for a summary of report for the conference](#)

The conference 'Food security and climate change: "4 per 1000" Initiative new tangible global challenges' was held in June, 2019 in Poitiers (France).

150 people attended this conference which was conceived as a multi-stakeholder meeting. The program was very rich and included the contributions of renowned scientists from various fields.

To read the report of the conference it is [here](#)

Website of the conference [here](#)

[Desertif'Actions](#), the 4th International Summit of Civil Society Actors, was held in Ouagadougou, Burkina Faso from June 19 to 22, 2019.

[CARI](#), international solidarity association which has been working with the rural populations around the Sahara since 1998 and member of the "4 per 1000" Initiative, published a summary presenting the [results of this summit](#) (in French).



[AgroParisTech](#) organized a thematic morning on Thursday, September 12, 2019, to present the conclusions of the IPCC special report on "Climate change, land use and food security".

Click [here](#) to watch the presentation



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The Scientific Officer of the Secretariat of the Initiative “4 per 1000, Paloma Melgarejo, has attended to the FACCE SURPLUS valorisation workshop.

FACCE SURPLUS (Sustainable and Resilient agriculture for food and non-food systems) is committed to improve collaboration across the European Research Area in the range of diverse, but integrated, food and non-food biomass production and transformation systems, including biorefining. It is an ERA-NET Cofund, formed in collaboration between the European Commission and a partnership of 15 countries in the frame of the Joint Programming Initiative on Agriculture, Food Security and Climate Change (FACCE-JPI).

FACCE SURPLUS has organized a valorisation workshop from midday 11th to midday 12th September 2019 in Ghent (Belgium) back to back to the SusCrop workshops on “Sustainability and Resilience Assessment Methods” and “Data Collection and Harmonisation”

This pilot valorisation workshop has been focused on real exchange among different actors in the field consisted on small working groups similar to “training units” on specific topics. Appropriate stakeholders representing different “worlds” (government/policy, agriculture, economics...), participated in the workshop working in small groups (around five people) with the researchers, creating a debate on how to shape the available results/information with a perspective for valorisation in its different forms.

Paloma Melgarejo has contributed to both sessions, on Wednesday afternoon and Thursday morning, giving the scientists the opportunity to know the Initiative “4 per 1000”.

A Memento for the evaluation of agroecology

This **methodological memento** (in French) is the result of collaboration between teams:

- the Working Group on Agro-ecological Transitions (GTAE), composed of Agrisud International, Agronomes et Vétérinaires Sans Frontières (AVSF), Cari and Gret,
- of the Comparative Agriculture and Agricultural Development Department of AgroParisTech,
- of the CIRAD's Agroecology and Sustainable Intensification of Annual Crops (AIDA) research unit,
- of the IRD's Functional Ecology and Biogeochemistry of Soils and Agrosystems (Eco&Sols) research unit.

New Project in Carbon Farming Launched in India

This **article published in Foodtank** in the USA, was **written by Dr. Emmanuel D'Silva, agriculture and environment scientist**. The article makes mention of a new initiative to promote conservation agriculture with the purpose of sequestering carbon in the soil and makes references to the “4 per 1000” Initiative.

The Carbon Neutral Cities Alliance (CNCA) is a collaboration of leading global cities working to cut greenhouse gas emissions by 80-100% by 2050 or sooner - the most aggressive GHG reduction targets undertaken anywhere by any city.



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Discover of different partners and members' projet

The UNCCD Science-Policy Interface (SPI) promotes dialogue between scientists and policy makers on desertification, land degradation and drought (DLDD). **The mandate of the SPI is to provide the Committee on Science and Technology (CST) thematic guidance on knowledge requirements for implementing the UNCCD.**

Several well-known scientists are part of the UNCCD Science-Policy Interface such as **Jean-Luc Chotte, senior scientist at IRD (Institut de Recherche pour le Développement) and “4 per 1000” scientific referent, Ermias Betemariam, land health scientist in the World Agroforestry Centre (ICRAF), and Rattan Lal, Distinguished University Professor of Soil Science and Director of the Carbon Management and Sequestration Center, The Ohio State University, and an Adjunct Professor of University of Iceland.**

The UNCCD Science-Policy Interface produced different reports including:

- **Realising the Carbon Benefits of Sustainable Land Management Practices Guidelines for estimation of soil organic carbon in the context of land degradation neutrality planning and monitoring**
Full report [here](#)
Policy Brief [here](#)
- **Creating an Enabling Environment for Land Degradation Neutrality and its potential contribution to enhancing well-being, livelihoods and the environment**
Full report [here](#)
Policy brief [here](#)
- **The Land-Drought Nexus Enhancing the role of land-based interventions in drought mitigation and risk management**
Full report [here](#)
Policy Brief [here](#)

Water preservation and fight against poverty: LIVELIHOODS' bet in Rio (Brazil)

60km upstream from Rio de Janeiro, Tinguá is one of the key water catchments of the city of Rio. For Bonafont, the Danone brand that operates the mineral water bottling factory of Tinguá, water preservation is a priority. And its quality depends on sustainable farming practices. How can we sustainably preserve water quality, while securing increased revenues for farmers?

Launched in 2018 by the Livelihoods Funds for Family Farming (L3F), Bonafont-Danone and SEBRAE (the Brazilian SMEs development agency) the Livelihoods-Caruanas project takes up the challenge.

The project's goal is to secure safe land use to preserve the water resources of Tinguá, while converting the smallholders adopt organic farming to access the urban market. One year after its launch, the project is already promising.

More information [here](#)

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[Land Core](#) prepared a [memo of recommendations on soil health assessment protocol](#), including soil sampling methodology and lab calibration, memo recently submitted to the United States Department of Agriculture - Natural Resources Conservation Service. This memo was particularly in regard to a new program that was established by the 2018 Farm Bill legislation called the "On-Farm Conservation Innovation Trials and Soil Health Demonstration Trial",

[Songhaï](#) is a private volunteer organization based in Porto-Novo (Republic of Benin).

Songhaï contributes to the development of Africa through the creation of green rural towns that can slow down or even stop the rural exodus and give long-term socio-economic viability to rural development, with the practice of integrated farming; organic farming respecting nature and based essentially on bio-mimicry.

In the context of upcoming elections in Canada, **Regeneration Canada launches online Petition: ["Make agriculture part of the climate solution this election. Regenerative Agriculture: The Climate Solution Requested by Canadians in the Next Elections"](#)**

[Regeneration Canada](#) is a nonprofit organization dedicated to promoting soil regeneration as a solution to climate change and to foster healthy food systems. Regeneration Canada strives towards this goal by raising awareness and mobilizing Canadians about the ways each one can contribute to regenerating soil health.

A student team from the University of Life Science in Vienna (Austria) worked on the "4 per 1000" Initiative and its potentials in Austria, particularly in agricultural soils.

Read project finding [here](#)

["Pour une Agriculture du Vivant"](#) organizes events and offers training. To learn more, click [here](#)

[CaSA Network](#) (Soil Carbon for Sustainable Agriculture in Africa) is growing.

It is now possible [to apply online to become a member of the CaSA network](#) (Soil Carbon for Sustainable Agriculture in Africa)

The application must be accompanied by a [letter of commitment signed by the team leader](#) (in French)

The commitment is to participate in the activities, mainly via messaging (forum), with some concrete actions.

["Pay dirt: world first project paves way for soil carbon payments"](#) - James Nason, August 7, 2019

The Global Environment Facility (GEF) published a [document on soil degradation](#) in early August.

The "4 per 1000" Initiative in a few figures...

359 Partners including 183 Members (December, 2018)

All countries or organizations that wish join the Initiative (see [here](#) how to join) send their application to the Executive Secretary who controls the completeness.

If the application is complete, the Executive Secretary submits the list of new partners and members to be approved to the Consortium of Members, at the beginning of each meeting.

After this formal approval, the new partners and members are included in the official list.

[Listing of the Consortium of Members and Forum of Partners of the Initiative \(December 13rd, 2018\)](#)



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Mobilizing the general public in the fight against carbon is the mission of the project "And everything starts from the ground" proposed by Localvore-Occitanie Centrale (France)

The "pilot" project of **Localvore France "And everything starts from the ground ... Here we harvest carbon"**, launches on the market of Réalmont (Tarn - France), every Wednesday during the months of September and October 2019.

The principle of this project is to offer the products of some agro-ecological producers, 20% cheaper for the general public and 50% to 80% cheaper for low-income people. This discount is done directly on the stands that bear the sign **Here we collect carbon**.

The small association of Tarn, Localvore France brings the concept of carbon sequestration to the general public, thanks to the support of partners such as: The LUSH Foundation, EKIBIO, **the "4 per 1000" Initiative, For a Farmer of the Living Soil**, Community of Communes Center Tarn and The Association for the development of agricultural and rural employment in Tarn (ADEART).

More information [here](#) (in French)

[Regeneration International, Filipino League of Organic Municipalities Cities and Provinces Sign 'Regeneration Philippines' Pact](#)

New Research Developments in the Field:

[Fuel to the Fire](#) provides an overview of the dangers of geoengineering to address the climate threat and includes a more positive analysis of natural carbon removal strategies as a critical pathway for remaining below 1.5C warming in section 7 of the report.

General Mills confirms that beef farm is sequestering carbon:

[Study: White Oak Pastures Beef Reduces Atmospheric Carbon](#)

Diverse research projects underway through CGIAR fellows looking at soil carbon:

[CLIFF-GRADS awards record 33 fellowships for 2019 research on agricultural emissions and mitigation](#)

[Effects of land use and forest management on soil carbon in the eastern USA](#)

Regenerative rice project underway in Thailand. [Regenerative Rice Farming in Thailand](#)

Dr. Rattan Lal looks at eco-intensification, soil carbon sequestration, and ecosystem

[Eco-intensification through soil carbon sequestration](#)

News about Farmers building healthy soils:

[Canadian couple diversifies to protect and build healthy soils](#) on their 5,000 acre farm.

[Iowa farmers urge ecosystem payments for care of the land and carbon capture](#) - bringing the issue into the 2020 electoral cycle in the USA.



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Funding and Grant Opportunities:

USA - [Partners for Places: National funders invest in local projects to promote a healthy environment, a strong economy, and well-being of all residents](#). Through these projects, Partners for Places fosters long-term relationships that make our urban areas more prosperous, livable, and vibrant. The grant program will provide partnership investments between \$25,000 and \$75,000 for one year projects, or \$50,000 and \$100,000 for two year projects, with a 1:1 match required by one or more local foundations.

New Initiatives:

[Indigo Agriculture](#) announces [Terraton Initiative](#):

[Australia sets up Emissions Reductions Fund to spur soil carbon farming](#).

[A global initiative on ecosystem restoration gets launched](#).

[Soil Heroes](#) is a new project in The Netherlands to advance ecosystem payments to farmers working to sequester carbon and build healthy soils.

[Adopt a meter of soil campaign](#) takes off:

[The Carrot Project](#): Project underway to help advance a Business Assistance Network for Farm and Food Businesses in New England and New York's Hudson Valley

Policy Developments:

[Union of Concerned Scientists provides visual overview of state and federal policy proposals to promote healthy soils and soil carbon sequestration](#)

UNFCCC Process and Soil Carbon:

A [helpful collection of presentations](#) made at the June 2019 UNFCCC meeting in Bonn addressing soil carbon and soil health.

TED TALK - April 2019

["A climate change solution that's right under our feet" - Asmeret Asefaw Berhe, soil scientist](#)

To support and donate to the "4 per 1000" Initiative, please contact Ms. Béatrice Breton-Askar, our Resource Mobilization Senior Officer: beatrice.breton-askar@4p1000.org We thank you in advance for your support.

The “4 per 1000” Initiative: Soils for Food Security and Climate



We are all concerned!

Every single one of us can take action to get things moving forward. Together we can make a difference. Our actions, individual or collective, can make things happen.

[Join the Initiative!](#)

The Executive Secretariat needs stronger means to implement its annual roadmap and organize statutory meetings in particular of the STC or regional meetings. If you wish to contribute to our common effort, please contact the Executive Secretariat: secretariat@4p1000.org

Any ideas, any suggestions...

Please send an email to the Executive Secretariat:
secretariat@4p1000.org



www.4p1000.org