



## Editorial

# #26 - October 2024



*Dear Members and Partners,*

2024, like all even-numbered years, is a year of three COPs: the Climate Change Convention, the Biodiversity Convention and the Convention to Combat Desertification. From October to December 2024, COP 16 Biodiversity will be held in Cali, Colombia, COP 29 Climate Change in Baku, Azerbaijan, and COP 16 Desertification in Riyadh, Saudi Arabia. This will be the time to check whether the good measures/resolutions adopted in 2022 and 2023 to improve dialogue between the three decision-making bodies of the Rio Conventions are taking shape and being translated into reality and not just into intentions. On a subject such as soil, its health and its richness in carbon via organic matter, this should no longer be a debate, and all the United Nations Conventions should make it a major objective capable of helping humanity to meet the challenges of climate change, the erosion of biodiversity, desertification and food insecurity. The Dubai Declaration of 2023, and the proposals made by the President of COP 15 to his two colleagues at COP 15 Biodiversity and COP 28 Climate Change, should help to move in this direction.

The countries that are party to these conventions also have a role to play, as do all of us. Unfortunately, as the days and seasons go by, nothing really changes. Farmers around the world are suffering from the extreme weather events caused by climate change, threatening the food security of populations and the stability of countries, not to mention the increased erosion of biodiversity and desertification. At a time when encouraging signs are appearing more and more, let's all act, at every level, to preserve and restore the health of our soils.

Between now and the end of the year, within the Initiative, we will be focusing in particular on the Mediterranean region, with the first regional "4 per 1000" meeting being organised in Rabat (Morocco) from 21 to 23 October with a number of partners: CIHEAM [International Centre for Advanced Mediterranean Agronomic Studies], OIV [International Organisation of Vine and Wine], IAV Hassan II [Hassan II Agronomic and Veterinary Institute] (Morocco), the French Ministry of Agriculture, Food Sovereignty & Forestry, CIRAD [French International Agricultural Research Centre for International Development], INRAE [French National Research Institute for Agriculture, Food and Environment], INRA Maroc, ICARDA [International Centre International Centre for Agricultural Research in the Dry Areas], the FARM foundation (France), Crédit Agricole Maroc (Morocco), the Crédit Agricole Maroc Foundation for Sustainable Development (*to be confirmed*), (Morocco), the AAA Foundation [Adaptation of African Agriculture] (Morocco), IRD (France), the Moroccan Ministry of Agriculture, Maritime Fisheries, Rural Development and Water and Forests, the OCP Group (Morocco), ENA [National School of Agriculture] Meknes (Morocco) and UM6P [Mohammed VI Polytechnic University] (Morocco). This will be an opportunity to take stock of the development of agroecology in the region, with the "4 per 1000" network and all the regional players ([more information by following this link](#)).

The CIHEAM ministerial conference will also be held on 24 and 25 October in Rabat, at IAV Hassan II, the venue for the regional conference. The synergy between these two events has been worked out jointly by CIHEAM and "4 per 1000" to highlight the importance of soil health and agroecology for the Mediterranean region.

On the same date, the Scientific and Technical Committee of the "4 per 1000" Initiative will be meeting at the same venue for its 18th meeting, with new members: Dr Rémy CARDINAEL and Professor Monica SKOWROWSKA. Welcome to both.

Of course, we will also be organising the 8th "4 per 1000" Day, as we do every year, but extreme budgetary constraints mean that we can only hold this event online on 26 November (Partners Forum and High-Level Segment from noon to 3pm) and on 27 November (Members Consortium from noon to 2pm). (For more information, [follow the link](#)).

The Initiative will also be present at COP 29 in Baku and COP 16 in Riyadh to take part in several parallel events with our partners.

As stated in this editorial, this year the Initiative is suffering from budgetary constraints that are forcing us to cut back. As I already indicated in the previous newsletter, you can now support the Initiative directly, so don't hesitate to do so [by following this link](#).

Next year, the Initiative will be 10 years old, an opportunity to take stock of its impact and results, and to celebrate the advances made and highlight the progress still to be made. This will only be possible with your massive support. Thank you in advance.

Take care of yourselves, your loved ones and our soils.

**Dr. Paul LUU**, Executive Secretary of the international "4 per 1000" Initiative



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### 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](mailto:secretariat@4p1000.org)



## SOIL STORIES

DATE: 25.09.2024

TIME: 12 pm (UTC+00)

WHERE: ZOOM



A valuable event for sharing innovative projects and activities that promote soil health

“Soil Stories”, the latest event of the Climate-Soil Community of Practice of the international "4 per 1000" Initiative took place on September 25 online.

“Soil Stories” focused on projects, ideas and new developments from Partners, Members and friends of the "4 per 1000" Initiative. The event provided an opportunity for exchange and dialogue.

Including in particular:

- **Miriam Kalkum, GIZ Ethiopia** - Soil rehabilitation in Ethiopian lowlands using dry valley rehabilitation and productive use (DVRPU) approach)
- **Bella Culotta, Circular Bionutrient Economy Network (CBEN)**. The Circular Bionutrient Economy Network, is a community of waste-recovery practitioners focused in Sub-Saharan Africa. CBEN brings together farmers, agri-industry, researchers, policy-makers, entrepreneurs and artists and more to work towards the joint vision of creating a waste-to-resource economy with biologically-sourced nutrients (excreta, composts, crop residues, etc). The bio-nutrient circularity goes beyond science and business to include everyone's understanding of their role in Nature ("body and soil") and the preservation of a viable planet.
- **Anand Ethirajalu, Conscious Planet**. Agriculture that saves soil. The on ground team in India spoke about how they have transitioned farmers to tree based agriculture.
- **Chandrashekar Bhadsavle, Saguna Rural Foundation**, presented their work on Saguna Regenerative Technique (SRT) which is adopted by more than 7000 farmers in the state of Maharashtra (India) for 10 major crops making farmers happy mainly because the soil health has drastically improved which is responsible for higher productivity at lower cost of production.
- **Rajeev Baruah, Beetle Regen Solutions**. Beetle Regen Solutions is working with 70,000 farmers in India to build their capacity in regenerative agriculture. They are working to increase the organic carbon content of the soil. Beetle Regen Solutions presented their early experiences in implementing sustainable farming practices and their impact on the soil.
- **Emma Hin, Mesh Impact**, presented a large-scale regenerative agricultural food system project being developed in the eastern part of Nepal was presented.
- **Samuel Ottnad**, international "4 per 1000" Initiative, introduced and closed the event.

To learn more, click [here](#).

This Climate-Soil Community of Practice (CoP) has jointly been launched by the "4 per 1000" Initiative on soils for food security and climate and the GIZ Sector Project Soil Protection, Combating Desertification, Sustainable Land Management (BMZ) in 2020.



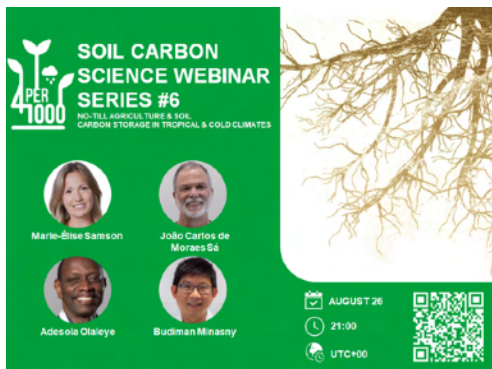
**What is the international "4 per 1000" Initiative?**

[Here](#) we summarize it in a few lines.



### Soil Carbon Science Webinar Series

This series of online seminars on soil carbon science is organized and led by the Scientific and Technical Committee (STC) of the international "4 per 1000" Initiative.



#### 'No-Till Agriculture and Soil Carbon Storage in Tropical and Cold Climates' - 26 August 2024

As global awareness of sustainable agricultural practices grows, there is increasing interest in no- or reduced tillage farming as a method to improve soil conditions and sequester carbon, thus mitigating climate change impacts.

[This webinar explored the application and benefits of no-till agriculture in diverse climatic zones, specifically the tropics and cold climates, focusing on its role in enhancing soil carbon storage.](#)

With the expertise of **Adesola Olaleye**, IUCN CEM, "4 per 1000" Scientific and Technical Committee, **Marie-Élise Samson**, Assistant Professor of soil science at Université Laval and **João Carlos de Moraes Sá**, Ohio State University, Senior Associate Researcher at the Carbon Management and Sequestration Center at The Ohio State University and has been the President of the Technical and Scientific Commission of the Brazilian No-Till System Federation since 2018. This webinar was moderated by **Dr. Beverly Henry**, Queensland University of Technology, Co-Chair of the "4 per 1000" Scientific and Technical Committee.

The next Soil Carbon Science webinar will take place online on **October 29, 2024 at 10:00 AM (Time zone: UTC+00:00).**

The topic: **'Balancing Soil Carbon Gains and Nitrous Oxide Emissions: Evaluating the Net Impact of Natural Climate Solutions in Croplands'**.

With:

- **Dr. Budiman Minasny**, The University of Sydney, "4 per 1000" Scientific and Technical Committee
- **Dr. Deborah Bossio**, The Nature Conservancy, "4 per 1000" Scientific and Technical Committee
- **Dr. Shelby C. McClelland**, New York University
- **Dr. Mark Farrell**, CSIRO Australia.

Information and registration [here](#).

To view or replay these seminars online, click [here](#).

**BALANCING SOIL CARBON GAINS & NITROUS OXIDE EMISSIONS: EVALUATING THE NET IMPACT OF NATURAL CLIMATE SOLUTIONS IN CROPLANDS**

4 PER 1000 PRESENTS SOIL CARBON SCIENCE WEBINAR SERIES #7: Soil-based natural climate solutions (NCS) can contribute to net carbon dioxide removal in croplands. Our upcoming webinar will address the potential negative offset of beneficial carbon sequestration by increased nitrous oxide emissions from NCS. In this context, we will discuss findings from field experiments and simulations that determine the effect of NCS practices such as reduced tillage and cover crops. In addition, we will explore science-based management solutions to increase productivity while minimizing soil and environmental impacts.

29 Oct. 2024  
10:00  
UTC + 0:00



Discover [here](#) the biographies of the 14 experts of the Scientific and Technical Committee of the international "4 per 1000" Initiative.



**The 6th Call for formative assessment of projects by the Scientific and Technical Committee (STC) of the international “4 per 1000” Initiative was launched in July 2024 on the AFRIS collaborative platform, following the digitalisation of the procedure as a novelty to make the call more intuitive and attractive for project managers.**  
 The submission and registration of applications closed on 31 August.

We received applications for projects from 26 countries around the world: Pakistan, Nepal, Somalia, France, Gabon, Republic of Congo, Greece, Netherlands, Switzerland, Madagascar, Mali, Rwanda, New Zealand, Australia, Pacific Island Countries, Ecuador, Tunisia, Algeria, Morocco, Mauritania, Libya, Burundi, Argentina, Brazil and Uruguay.

Following the submission and registration of applications in July, project managers have been submitting project information for evaluation by the STC.

During the month of September, the Executive Secretariat reviewed the information on the applications and assign an international expert to review the projects, with the project information to be completed by 15 October 2024.

The individual results report to the project promoters will be prepared around 20 December 2024.

**Policy Workshop on International Carbon Certification Schemes - 26 September 2024, Brussels (Belgium)**

What proposals do other regions or countries have in terms of public and private schemes to promote the soil organic carbon (SOC) storage? How can they contribute to the ongoing discussions on the [Carbon Removals Certification Framework](#) (CRCF) from the European Commission?

This workshop gave you an insight into what is happening in the United States and Australia, as well as an overview of the context in the Pacific region and Europe.



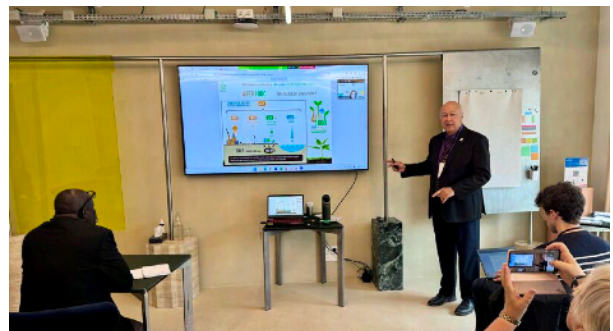
Organised by the ORCaSa project in the framework of [the Soil Carbon International Research Consortium \(IRC\)](#), this event was an opportunity for experts and policymakers to meet, exchange ideas, and make progress in the field of soil carbon policy.

Paul Luu, Executive Secretary of the international “4 per 1000” Initiative took part in the event.

More information [here](#).

On September 24 and 25, Paul Luu, Executive Secretary of the international “4 per 1000” Initiative took part in the ORCaSa annual meeting in Brussels, stressing the functional links between the international "4 per 1000" Initiative and the Soil Carbon International Research Consortium (IRC), resulting from the ORCaSa project.

IRC will provide global services (MRV harmonization, Impact4Soil platform and Strategic Research and Innovation Agenda development) which will reinforce and give more flesh to the scientific part of the Initiative.



Since the beginning of the year, **the Scientific and Technical Committee of the international "4 per 1000" Initiative is taking up its mandate as the interim Scientific Committee of the Soil Carbon International Research Consortium (IRC).**

**"4 questions to ... "**

**Mr. Sébastien Roumegous  
Founder and CEO of  
BIOSPHERES**

**« ... The "4 per 1000" Initiative represents an essential framework for mobilizing the global community around soil regeneration, with opportunities for exchanging experience and permanent contact between the scientific world, businesses and developers in the field. »**

**1/ Mr. Sébastien Roumegous, could you introduce yourself in a few words?**

*I am Sébastien Roumegous, agronomist, founder and CEO of BIOSPHERES, a company set up in 2020. I now have over 15 years' experience in the development of agroecology in France and abroad, and I am lucky enough to be able to support both large companies in their strategy to adapt to climate change, by changing their production/value chains, and groups of farmers in the field to help them transform their practices.*

*This work is organised around the forty or so team members who work with me every day at BIOSPHERES to bring about this transition to the scale of regenerative agriculture.*

**2/ Founder and CEO of BIOSPHERES, what are the main actions you take in connection with the international '4 per 1000' Initiative: Soils for Food Security and Climate'?**

*At BIOSPHERES, we put into practice the guidelines and recommendations for soil health and carbon sequestration put forward by the "4 per 1000" Initiative. In this way, we develop, train and support the implementation of agricultural practices involving the use of plant cover, reduced tillage and agroforestry, with a view to overall soil-plant-landscape health.*



Photo: Credit Biosphères - Sebastien\_Roumegous - Soil profile

*Our projects in France and abroad are measured in terms of their impact on ecosystems and aim to improve soil health, increase crop resilience, improve water availability in plots and reduce agriculture's carbon footprint. We carry out this work as close to the field as possible, often in collaboration with local partners.*

**3/ What does the international "4 per 1000" Initiative represent for you?**

*The "4 per 1000" Initiative represents an essential framework for mobilizing the global community around soil regeneration, with opportunities for exchanging experience and permanent contact between the scientific world, businesses and developers in the field. For everyone involved, it highlights the crucial importance of agriculture as a solution for creating carbon reservoirs and its central role in the fight against climate change. For BIOSPHERES, it is a source of inspiration and a strategic guide for developing agricultural practices that not only increase the productivity and resilience of farms, but also deliver strong ecological benefits.*

**4/ What message do you want to convey to the "4 per 1000" Partners and Members?**

*I would like to encourage all the partners and members of the "4 per 1000" Initiative to continue exchanging ideas, to strengthen the knowledge-sharing network and to support innovative projects and farmers involved in this transition, throughout the world.*

More information on BIOSPHERES : <https://biospheresgroup.com/>

## A noter dans vos agendas !

### World Living Soils Forum - October 9 and 10, 2024 - Arles, France

Moët Hennessy and ChangeNOW will co-organize the next World Living Soils Forum, an international event dedicated to soil conservation. For two days, experts and speakers will share knowledge, best practices and innovations to protect and regenerate the soil in a wide scale of fields. To learn more, please click [here](#).

### Mediterranean Regional Meeting of the international "4 per 1000" Initiative - from the evening of October 21 to 23, 2024 - Rabat, Morocco

This regional meeting is organized by the international "4 per 1000" Initiative with CIHEAM, OIV, IAV Hassan II, the French Ministry of Agriculture and Food Sovereignty, CIRAD, INRAE, INRA Morocco, ICARDA, the FARM Foundation, the Crédit Agricole Morocco, the Crédit Agricole Maroc Foundation for Sustainable Development (to be confirmed). This meeting is also being organised in partnership with (in alphabetical order): the AAA Foundation [Adaptation of African Agriculture], ENA Meknes [National School of Agriculture], IRD, the Moroccan Ministry of Agriculture, Maritime Fisheries, Rural Development and Water and Forests, the OCP Group and UM6P [Mohammed VI Polytechnic University].

The main objectives of this event are:

- To deliberate on the potential, challenges, opportunities, and strategies for soil C sequestration, soil health and agroecology around the Mediterranean Sea
- To propose an implementation pathway from policy to action through a regional "4 per 1000" roadmap.

More information [here](#).

Following this regional conference, the 18th meeting of the Scientific and Technical Committee of "4 per 1000" and the 3rd meeting of the Scientific and Technical Committee of the IRC will be held.

### 2024 EU Soil Observatory Stakeholder Forum (EUSO) - 21-23 October 2024 (online event)

An annual event which purpose is to actively engage and exchange with the soil community. Information and registration [here](#).



## Our Partners and Members act!

**At the end of June, Mr. Lawrence MacAulay, Canada's Minister of Agriculture and Agri-Food, announced more than \$2 million in support for the Canadian organic products industry.**

To find out more, click [here](#).

**The Occitanie Region (France) launches an aid guide to help farmers cope with crises**

The Occitanie Region has just published a guide to regional aid for farmers. This document brings together all the aids available to support agricultural professionals in their installation, modernization or ecological transition projects. To find out more, click [here](#).

**In June 2024, ECOWAS (Economic Community of West African States (ECOWAS) launched a Regional Hub for Fertilizer and Soil Health for West Africa and the Sahel**

To learn more, click [here](#).

**Proud Moment for CGIAR!**

Lead researchers from four CGIAR centers - ILRI, IRRI, International Maize and Wheat Improvement Center (CIMMYT), and CIFOR-ICRAF - have been recognized by World Food Prize Foundation for their exceptional contributions to sustainable agriculture.

Their innovative research and dedication to improving food security have earned them a prestigious place on the 2024 Top Agri-Food Pioneer List. This acknowledgment underscores the critical role CGIAR centers play in advancing global food systems. To learn out more [here](#).

**Regenerative agriculture with Allan Savory**

[In this podcast](#), Allan Savory of the Savory Institute discusses regenerative agriculture.

The [Savory Institute](#) is a Member of the international "4 per 1000" Initiative.

**Harvesting Tomorrow: Advancing Sustainable Land Management for Soil Fertility**

The recent global fertiliser crisis has unveiled the precarious state of our agri-food systems, heavily reliant on conventional fertiliser inputs. This crisis exposes vulnerabilities stemming from overdependence on specific sources, fluctuating prices and environmental concerns. Yet, it also serves as a catalyst for exploring and scaling innovative solutions that promote soil health, optimise fertiliser use and enhance farm productivity.

Integrated soil fertility management (ISFM) stands at the forefront of the efforts to address these challenges. By embracing ISFM principles, advocating for sustainable investments at the upcoming summits and fostering collaboration within the community, this publication charts a path towards a future where healthy soils, optimised fertiliser use, and food security go hand in hand.

[This publication](#) was co-published by Centre for Development and Environment (CDE), University of Bern, Switzerland, Alliance of Bioversity International & CIAT and Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH ; and funded by: German Federal Ministry for Economic Cooperation and Development (BMZ).

**Save the date!****ISADAE 2024 - The International Conference on the Impacts of Soil Amendments on Dryland Agro-Ecosystems - October 28-30, 2024 - Reims, France**

Recognizing the importance of healthy soils, the ISADAE 2024 conference aims to bring together researchers, PhD students, and policy-makers to facilitate the exchange of research findings and experiences, assess various approaches to producing and applying soil amendments. ISADAE 2024 also aims to foster international cooperation in developing strategies and projects for sustainable soil management in dryland agro-ecosystems. More information [here](#).

**The United Nations Convention on Biological Diversity (UNCBD - COP16) - 21 October to 1 November 2024 - Colombia.** Information [here](#).**European Mission Soil Week 2024 (EUSO) - 12-14 November 2024 - Bruxelles, Belgium**

More information [here](#). On 14 November, there will be an exclusive side event, open to Mission Soil funded projects only, featuring cluster meetings on data and knowledge management, soil indicators and monitoring, as well as communication and stakeholder engagement.

**The United Nations Framework Convention on Climate Change (UNFCCC - COP29) - 11 to 22 November 2024 - Bakou, Azerbaijan.**

More information to come [here](#).

**The 8th Day of the international "4 per 1000" Initiative will be organized in 2 online sessions:**

- **Tuesday 26th November 26 from 12:00 to 15:00:** Forum of Partners and High Level Segment
- **Wednesday 27th November from 12:00 to 14:00:** Consortium of Members.

More information [here](#).

**The UNCCD COP16 (United Nations Convention to Combat Desertification) - 2-13 December 2024 - Riyadh, Saudi Arabia.** Find out more [here](#).**Our Partners and Members act!****Does co-producing Climate Services with farmers lead to higher usability?**

Climate Services for farmers are essential tools to assist decision-making. They help users to better understand weather risks, which are becoming increasingly hard for farmers to predict in the context of climate change. Drawing on a literature review and concrete examples, [this research document](#), written by Julie Bompas (French Development Agency and Center for Studies and Research in International Development), with the support of Benoit Faivre-Dupaigre (French Development Agency), highlights the benefits of a genuine co-production of Climate Services by scientists and farmers.

**AACC-Med project: Adapting agriculture to climate change in the Mediterranean**

Launched in early 2024, this 3-year (2024 - 2026) AACC-Med project is coordinated by the FARM Foundation. It also involves CIHEAM-IAMM, the international "4 per 1000" Initiative, the Regional Banks of Crédit Agricole in the Mediterranean region and Crédit Agricole Italia. Other structures, particularly on the southern and eastern shores of the Mediterranean, will be invited to join the project in the coming months.

To find out more, click [here](#).

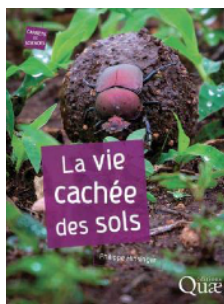
**Earthworms and Men by Bastien Sachet, Earthworm Foundation**

[In this TEDxLaBaule from April 23, 2024](#), Bastien Sachet suggests taking action to regenerate the soil. He also talks about the importance of a positive ecology, benevolent towards Man. Bastien has been Executive Director of the Earthworm Foundation since January 2016.

**French atlas of soil fungi (Biotope Editions)**

This book, coordinated by INRAE researchers, represents a breakthrough in our knowledge of soils and their functioning. It is part of a general drive to meet the challenge of soil conservation over the coming decades.

To learn out more, click [here](#).

**The hidden life of soils**

An invitation to discover the richness of soils, the life they harbor, and the imperative need to safeguard them in the context of climate change and land use. Aimed at a wide readership, [this book by Philippe Hinsinger](#), Director of Research at INRAE, highlights the richness of soils, the life they harbor, and the imperative need to safeguard them in the context of climate and land-use changes worldwide.

**The National Institute of Agricultural Technology of Argentina (INTA) contributes to the sustainable development of the agricultural, agri-food and agro-industrial sector through research and extension.**

INTA promotes innovation and knowledge transfer for the country's growth. To learn more click [here](#).

INTA is a Member of the international "4 per 1000" Initiative.





## Our Partners and Members act!

### **How to limit soil erosion while improving its biodiversity? - Case of an innovative agroecological practice in rubber growing**

A study carried out by scientists in Ivory Coast shows that the restitution of crop residues combined with the sowing of a leguminous plant drastically limits soil erosion, while improving the structure and biodiversity of the soil.

While soil erosion is one of the 10 major threats affecting soils according to the FAO, these results open the way towards innovative agroecological practices to increase the sustainability of rubber plantations established on slopes.

The work is the result of a collaboration between scientists and a plantation company, bringing together Cirad, IRD, the University of Nangui Abrogoua in Abidjan, as well as the Société des Caoutchoucs de Grand Béréby (SOGB, SOCFIN group). To find out more, click [here](#) (in French).

### **Energy, carbon capture and soil restoration: is biochar a miracle product?**

Biochar is one of the oldest products in the world, and has been the object of renewed interest in recent years. What is clear is that it has a multitude of applications: producing energy, capturing carbon, restoring agricultural soils and even purifying water. CIRAD has globally recognized expertise in biochar production processes. However, research has yet to be done to develop economic value chains in line with the issues facing our societies. To learn out more click [here](#).

### **Millet and cowpea: a winning duo for sub-Saharan agriculture**

A team of scientists from the IRD and their Senegalese partners have studied soil fertility issues, and more specifically the risks of nematode proliferation (microscopic worms that nibble plant roots). Their observations showed that the mixed cultivation of millet and cowpea is a winning and sustainable strategy for improving food security in sub-Saharan regions.

To find out more, click [here](#).

### **CIRAD presents its roadmap for sustainable oil palm growing**

[CIRAD has produced a ten-year roadmap aimed at promoting more sustainable oil palm](#) growing by focusing on restoring landscapes, preserving biodiversity, and helping farmers switch to more sustainable practices.

### **Direct Seeding Systems Manual: Practices for Productive and Regenerative Agriculture.**

[This manual written and published by AAPRESID](#) (Argentine Association of Direct Seeding Producers) contains step-by-step instructions to follow the path to an agriculture that guarantees productivity and regeneration of soils and the environment.

### **iGiveTree, Regenerating soil, water and forests**

iGiveTree's mission is to support organic agroforestry, reforestation and assisted natural regeneration projects with the aim of restoring the biodiversity of rainforests and savanna, genuinely benefitting rural communities in Brazil.

To learn out more, click [here](#). iGiveTree is a Member of the international "4 per 1000" Initiative.

### **Dedicated Dairy Farms: Regenerative Agriculture for the Climate Transition**

Since 2021, General Mills, Logiag, and Régénération Canada have been developing the Dedicated Dairy Farms program. The program began with 32 dairy farms. These farms received ongoing support catered to their unique circumstances and requirements throughout their ecological transition, in addition to technical support and result monitoring following the implementation of new practices.

The "Fermes Laitières Engagées" program is currently recruiting 106 new farms. To find out more and sign up, click [here](#). Régénération Canada is a Member of the international "4 per 1000" Initiative.

### **Verra Launched ABACUS Label for Ecosystem Restoration and Reforestation Credits**

At the end of July, Verra, the nonprofit that serves as the leading standards-setter for the voluntary carbon market, today launched its new ABACUS market label. The new seal of approval indicates exceptional quality for carbon credits generated by ecosystem restoration and reforestation projects that go above and beyond what is required under Verra's already high-integrity methodology for Afforestation, Reforestation, and Revegetation (ARR), known as VM0047, in the Verified Carbon Standard (VCS) Program.

Verra developed the ABACUS label with input from a consensus-based working group that included experts from Amazon, Carbon Direct, Conservation International, The Nature Conservancy, Pachama, TerraCarbon, Stanford University, SCS Global Services, and the University of California, Berkeley. To learn out more click [here](#).

Verra and The Nature Conservancy are respectively Partner and Member of the international "4 per 1000" Initiative.



## Our Partners and Members act!

### **Livelihoods' palm project: a promising journey to sustainable and inclusive palm oil**

Since 2021, Livelihoods, along with Danone, Mars, L'Oréal, and L'Occitane, has been helping 2,500 smallholder farmers adopt sustainable practices. Locally implemented by Musim Mas (leading Indonesian producer) and SNV, their local partner implementer, the project helps regenerate 4,000 hectares of palm oil plantations on degraded lands, while restoring an additional 8,000 hectares of local biodiversity.

Three years in, the project has achieved RSPO certification for 800 farmers and has boosted soil fertility with a robust composting unit model, implemented both at community and farm level. As Livelihoods ambition to scale up and restore more natural ecosystems in the project area, Livelihoods invites additional partners to support this transformative, deforestation-free supply chain effort. To learn more click [here](#).

Livelihoods and Danone are Partners of the international "4 per 1000" initiative.

### **When agroforestry meets quality coffee in Aceh province, Sumatra island:**

In 2024, Livelihoods launched a pivotal agroforestry project in Aceh's Gayo region, home to 100,000 smallholder coffee farmers near the Leuser National Park. This initiative, in partnership with the Leuser Foundation, aims to transform coffee cultivation by planting 2 million shade trees across 10,000 hectares over the next five years.

By introducing these trees, the project will enhance soil fertility, support biodiversity, and offer additional income sources, while reducing the pressure on the park's fragile ecosystems. With a commitment to sustainability, the project expects to sequester 1.1 million tons of CO2 and uplift 50,000 local lives through improved coffee production and diversified incomes. To learn out more, click [here](#).

### **Regenerative agriculture for food system resilience & climate action**

Soil Capital is a mission-driven company with long expertise in regenerative agriculture and low-carbon transition of farms. It was founded in 2013 by three farming and finance professionals. In 2019, Soil Capital launched Europe's first certified carbon payment programme to accelerate the regenerative transition.

Operating internationally, Soil Capital's ambition is to accompany farmers in the transition of one million hectares to more profitable and regenerative agriculture by 2025.

Soil Capital collaborates with Farmers by valuing their reduced carbon emissions and/or increased soil carbon storage on the carbon markets and rewarding them for the ecosystem services they provide ; and with Companies by engaging their farmers in a certified low-carbon approach and building new value opportunities through the development of regenerative & resilient supply chains.

In 2024, the cooperation between the Mars Royal Canin brand and the European Soil Capital program will be strengthened: Mars will provide financial support to nearly 250 farmers in France and Belgium on 300,000 hectares of farmland.

[Soil Capital](#) and [Royal Canin](#) are Partners of the international "4 per 1000" Initiative.



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 [here](#).



Support the international 4 per 1000 Initiative!



**Become a Benefactor / Donor of "4 per 1000"!**

To support us in our mission, to help us relentlessly put the voice of healthy, carbon-rich soils on the international agenda, we need your financial support. You can now do so [by clicking on this link](#).

Please [contact us](#), would you like more information. Thank you very much for your support and your donation!

As a private organisation based in France for tax purposes, or an individual resident in France for tax purposes, you can receive a tax receipt for your donation. This does not apply for other countries yet.

Photo: Ms Georgina Smith / The Alliance of Bioversity International & CIAT



**Support the "4 per 1000" Initiative by ordering the book 'Farmers have the Earth in their hands', directly on the Editions La Butineuse website by clicking [here](#).**

The ambition of this concise book, written for the general public, is to provide a simple and non-judgmental overview of today's agriculture and the solutions that will ensure the future of humanity on planet Earth. Starting from its scientific foundations and the history of its "r-evolutions", this book attempts to shed light on the issues at stake without sidestepping the disturbing questions. Agriculture is part of the solution to climate change, but too many people still ignore it.

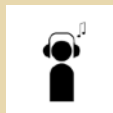
This book is also available in French and Spanish versions.

**All royalties from this book will be donated to the international "4 per 1000" Initiative.**

To support and donate to the "4 per 1000" Initiative, please contact Ms. Béatrice Breton-Askar by e-mail: [here](#).

To view the presentation file, click [here](#). We thank you in advance for your support.





**Read ... Watch ... Listen ...**



**Soil preservation, a vital challenge for humanity - Special report - 'La Terre, le magazine du vivant' magazine with in particular Dr. Paul LUU, agronomist, Executive Secretary of the international "4 per 1000" Initiative.** To order online, click [here](#) (in French).



#### **Food & Soil**

Did you know that healthy soil sequesters more carbon than our rainforests do? As consumers we can support the worldwide regenerative agriculture movement with smarter food choices, which is healthier for us personally, as well. Learn all this and more [in this Earthday episode](#).



#### **"Changing the rules of the game" by Axel de Martene, Editions la Butineuse**

In three books, which can be read independently or together, Axel de Martene sets out to retrace the singular history that links our food and our civilizations, to show **how the agro-ecological transition, and above all the transformation of food systems**, is the greatest political challenge of the 21st century. These books explain why these transitions are not a question of means - **we have all the tools and funding to act!** - but one of collective organization, i.e. political organization. Above all, they open up new perspectives for "changing the rules of the game", **laying the foundations for a regenerative economy and enabling each and every one of us to rebuild the world of tomorrow**, without feeling that our ecology is punitive, but rather stimulating and encouraging. More information [here](#) (in French).



#### **Climate change N°6 Agriculture: carbon storage and impact of practices by de 'La Fondation Université de Guyane'**

Climate change and agriculture on the Guiana Plateau, what interactions? [This publication](#) by the University of Guyana Foundation is one of the issues of the adaptation notebooks on [the study "4 per 1000 Overseas, Sharing knowledge on carbon sequestration in overseas soils"](#).



#### **How to unlock the climate & food security potential of Africa's drylands**

As parts of Africa are being hit by both devastating droughts & floods, it is important to remember the key to absorbing both these shocks: Healthy soils!

Our soil is degrading, droughts increasing and once fertile land turning into desert. 45% of Africa's land is threatened by desertification. Yet there are solutions that bring hope - like Farmer-Managed Natural Regeneration (FMNR) and wild enclosures. [Watch how communities are taking the lead in implementing them, as part of the Regreening Africa initiative](#).

Regreening Africa has been recognized as a World Restoration Flagship under the [UN Decade on Ecosystem Restoration](#).

The international "4 per 1000" Initiative is a Partner of the UN Decade on Ecosystem Restoration.



## They have joined the international "4 per 1000" Initiative!

(between May and September 2024)

### Private for-profit funding organizations

**Tikehau Capital - France.** Find out more [here](#).

### Civil society & non-profit organisations

**Consortium Cursa Development - CCD - Madagascar.**  
Find out more [here](#).

**FONDIKA RDC - Democratic Republic of the Congo.**  
Find out more [here](#).

**Youth Agro-Marine Development Association (YAMDA) - Somalia.** Find out more [here](#).

### Commercial & for-profit organisations

**Beetle Regen Solutions - India.** Find out more [here](#).

**ClimEtSan-OnTheGround - Germany**  
Find out more [here](#).

**Healthy PlanEat - United States of America**  
Find out more [here](#).

**Mesh Impact - France.** Find out more [here](#).

**OpaO - France (New Caledonia).** Find out more [here](#).

[See here how to join the « 4 per 1000 » Initiative.](#)

## The international "4 per 1000" Initiative in a figure ...

**836 Partners including 368 Members!** (September 2024)

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 or to the Bureau (depending on the time of year), 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](#)



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**4p1000 Initiative**

[www.youtube.com/channel/UCvBmNtaHxi3PcvbUkkL\\_UQg](http://www.youtube.com/channel/UCvBmNtaHxi3PcvbUkkL_UQg)



**4per1000**

<https://www.instagram.com/4per1000/?igsh=MWg3dTFreXJvcHY3aw%3D%3D>

If you would like the "4 per 1000" Initiative to relay your publications on its own social networks, please add the following mention at the bottom of the information you publish: **@4p1000initiative**

## The international "4 per 1000: Initiative: Soils for Food Security and Climate"



<https://4p1000.org>



### Any ideas, any suggestions...

For the next newsletter, please send us your information, your events, ... **no later than December 10, 2024.**

You can send an e-mail to [socialmedia.admin@4p1000.org](mailto:socialmedia.admin@4p1000.org).