



Editorial

#21

July 2023

Dear Members and Partners,

Summer in the northern hemisphere is already here, with unusual temperatures just as spring is ending. In the South, temperatures are approaching 40°C, and even at the Arctic Circle, the weather is out of "seasonal normality". Everywhere, climate change is being observed with varying degrees of intensity, prompting us to act. Experts, including economists, agree that inaction will cost far more than action, at every level. And yet, as I write these lines, the international "4 per 1000" Initiative needs financial and human resources to rise to the challenge. The major challenge is to make as many people as possible, and especially decision-makers, understand that soil and soil health are the absolute priority in tackling the threats of climate change, food insecurity, biodiversity erosion and desertification.



Fortunately, more and more voices are being heard everywhere, demanding that we take care of our soil. We need to support and amplify this global awareness, to mobilize decision-makers and convince them to act in favor of our soils, through our "[Resolution for Soil Health](#)", supported jointly by the international "4 per 1000" Initiative and the CA4SH Coalition (Coalition for Action for Soil Health). This will be the major focus of our joint action during COP28 in Dubai, and particularly because December 5, "World Soil Day", will fall this year during UNFCCC COP28. Together, let's make this a highlight of the COP, through the many parallel events organized and co-organized by our partners.

The battle for information must continue, with advocacy for soil health and communication to help people understand that restoring soil health will inevitably require a change in agricultural practices. Books, documentaries, projects, websites, press reviews, collaborative platforms, videos, etc. are all tools and vectors available to those working in this direction, and the international "4 per 1000" Initiative is playing its part.

The exchange of information at all levels is also essential, particularly at regional level, as illustrated by the two regional conferences held this year, one in Abidjan in May on soils of forest origin in West Africa, and the other in Helsinki in June on the particularities of Northern Europe, particularly about peatlands, in anticipation of the Asia-Pacific conference in September in Hyderabad (India)*.

To carry out all these tasks, the Initiative needs appropriate resources in addition to those granted to us by the Ministries of Agriculture of Germany, France, and Spain, as well as certain members and partners (Ird, GIZ, etc.). To take our rightful place, particularly in Dubai, we need substantial resources, and we hope to be able to count on you.

As the first half of the year ended, we also learned the sad news of the death on April 18 of Mr. Molobaly SAMAKE of the Acalode NGO in Mali. Mr. SAMAKE has been an elected member of the NGO college on the Board of the Initiative since its creation.

For your information, at the end of the year, we will be holding elections to renew certain members of the Board, and we will be launching a new call for candidates to renew some of the members of the Scientific and Technical Committee (STC) at the end of their term of office. Please consider applying on behalf of your organization, or on a personal basis if you are a scientist interested in the STC.

Finally, the Executive Secretariat extends a warm welcome to Ms Elena Boyano Gago, seconded by the Spanish Ministry of Agriculture, Fisheries and Food.

I hope you enjoy reading our newsletter, and ask you to take care of yourselves, your loved ones, and our soil.

Dr. Paul LUU

Executive Secretary of the international "4 per 1000" Initiative

* More information on page 6, 'Save the date!' section



Table of contents



Why a Soil Health Resolution at COP 28 of UNFCCC?	p. 3
5th call for projects for formative evaluation by the Scientific and Technical Committee	p. 4
Results of the forth call for formative assessment of projects by the STC	p. 4
The Virtual Fair of the international "4 per 1000" Initiative	p. 5
Summit for a New Global Financing Pact	p. 6
"Building a Roadmap for Soil Health in the Climate Change Agenda" - SB58	p. 6
1st Northern European Regional Meeting of the international "4 per 1000" Initiative	p. 6
Save the date!	p. 6-9
15th Meeting of the Scientific and Technical Committee of the "4 per 1000" Initiative	p. 7
Regional meeting in West Africa of the international "4 per 1000" Initiative	p. 7
3rd Ministerial Conference of the Initiative AAA	p. 8
Technical conference: 'Les sols (premiers organismes) vivants'	p. 8
The 16th Soil Study Days - AFES	p. 8
CaSA network webinar on soils and carbon markets	p. 9
Neutrality, the National Conference on Contribution to Carbon Neutrality	p. 9
"Biochar - How to scale it?"	p. 10
Call for project proposals for ReDAA grants!	p. 10
Support the International 4 per 1000 Initiative!	p. 11
Our Partners and Members act!	p. 12
To be read / A must see! / To listen	p. 17
Activities related to the "4 per 1000" Initiative	p. 17
Follow the international "4 per 1000" Initiative on social networks!	p. 18
They have joined the International "4 per 1000" Initiative	p. 19
The international "4 per 1000" Initiative in a figure	p. 19

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



Food and Agriculture
Organization of the
United Nations



Why a Soil Health Resolution at COP 28 of UNFCCC?

Side-Event from the international "4 per 1000" Initiative and CA4SH (Coalition of Action for Soil Health), July 13, 2023 - From 9:00 to 10:00 am - FAO Headquarters - Rome, Italy

Since the Paris Agreement in 2015, it has become clear to everyone that agriculture, in addition to forestry, has a particular importance in the fight against climate change, thanks to the possibility of storing carbon in the soil through the adoption of agroecological practices. During the exchanges at all levels and between all categories of stakeholders, it became clear that the capacity to store carbon in soils was conditioned in large part by the health of the soils.

This subject therefore appears to be the central issue on which future actions should focus in order to face the important challenges of humanity for the next 27 years, namely the fight against climate change, food insecurity, biodiversity erosion and desertification.

Last year at the COP27 in Sharm El-Sheikh, the international "4 per 1000" Initiative and CA4SH (Coalition of Action for Soil Health) were able launch the very [first Soil Health Resolution](#) at the Food Systems Pavillion. It represents a milestone for our common mission to promote soil health as a means to fight climate change and world hunger.

Building up on this success we aspire to rally support for presenting a resolution on soil health at COP 28 in Dubai in December as part of the GSP's action on "Promote awareness raising and advocacy on soil health".

For this purpose "4 per 1000" and CA4SH organize the side event **"Why a Soil Health Resolution at COP 28 of UNFCCC?" at the 11th Session of the Global Soil Partnership Plenary Assembly at the Soil Partners' Day (July 13) in Rome at FAO headquarters from 9:00 to 10:00 am.**

The program:

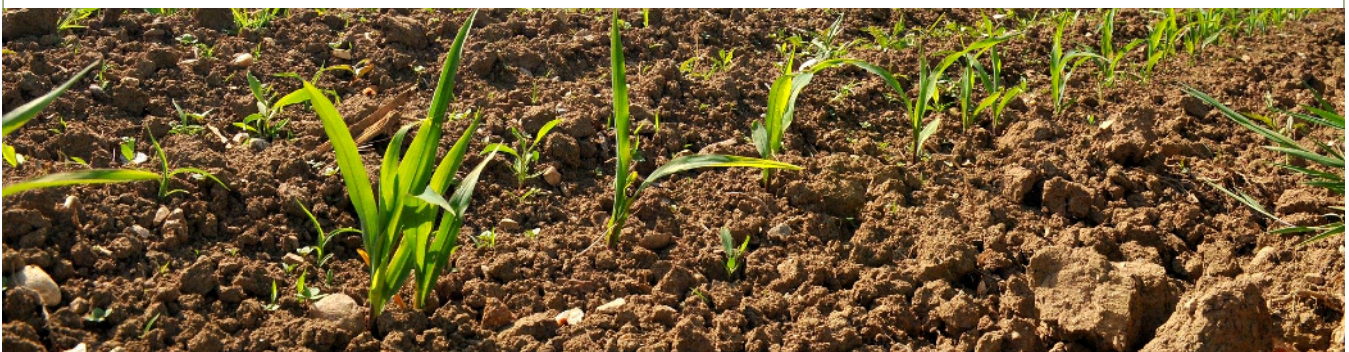
Introduction and moderation of the side-event by Dr. Paul LUU (Executive Secretary of the international "4 per 1000" Initiative)

Keynote speech by Prof. Rattan LAL (OSU) setting the scene of the importance of Soil Health in general

Speakers:

- Dr. Leigh Ann Winowiecki (Cifor-ICRAF) - CA4SH, on the Soil Health Resolution project to be supported at COP 28 of UNFCCC in Dubai
- Mr. Oliver Oliveros - Coordinator of the Coalition on Agroecology, on the importance of Agroecology as vector of action to fight climate change
- Mrs. Diane Masure (APAD - GCAN), from a Farmers organization to give concrete example of what it is possible to do in the fields
- Dr. Arwyn Jones (EU Soil Observatory - EC-JRC) - European perspective of land degradation and soil health and
- Dr. Louis Verchot (Research Leader - Land Restoration Group - Alliance Bioversity International-CIAT) on the importance of Soil Health.

If you're in Rome that day, so join us!





The 5th call for projects for formative evaluation is open from 15th May to 15th July, 2023!

Each year the international "4 per 1000" Initiative launches a **call for projects** for formative evaluation by the Scientific and Technical Committee (STC) of the Initiative.

More info in the link [below](#).



The fifth call for projects for formative evaluation opens from 15th May to 15th July, 2023.



Results of the forth call for formative assessment of projects by the Scientific and Technical Committee (STC) of the "4 by 1000" Initiative was launched on 15 April 2022 and closed on 2022.

Seven projects were received and evaluated by STC Members. Taking into account the summary report and the recommendations from the assessment of every project, the Scientific and Technical Committee and the Executive Secretary of the "4 per 1000" Initiative have considered that **three projects** are in line with the objectives of the international "4 per 1000" Initiative.

They are:

- PFA_47_2022_HESOP_MALAWI - Submitted by the NGO "Simpson Foundation", this project entitled "Health soils for prosperity project in Malawi", is planned to address the problem of hunger, food insecurity and poverty in Malawi by reversing natural resource degradation and exploitation of forest resources which result in negative impacts on land condition and soil health
- PFA_49_2022_CASSH_INDIA - Entitled "Sustainable Soil Health Management for Food Security Through Biochar and Other Organic Soil" the project was submitted by the 'BAIF Development Research Foundation' NGO. In order to address crop residue burning and low SOC, the project will be implemented in Yavatmal district of Maharashtra, India. The project tries to convert the crop residues into biochar and apply in the soil
- PFA_50_2022_LimaCARBONE - Submitted by the company SELIA the project, entitled "Développement d'un outil d'évaluation du stockage du Carbone" proposes providing the members of the Cooperative LIMAGRAIN with references and tools for evaluating and valorizing the carbon stored in soils.

The STC and Executive Secretariat of the international "4 per 1000" Initiative hope that these projects will be supported by appropriate funding from funders compatible with the goal of the Initiative.

Other four projects received recommendations to improve the project in order to be in line with the objective of the international "4 per 1000" Initiative.

To find out more about calls for projects, click [here](#).

The international "4 per 1000" Initiative would like to thank Agropolis International for producing these 4 posters presenting the Initiative.

These posters are copyright-free, so you can download, print and display them.

To download them in French, click [here](#), and in English [here](#).





The "4 per 1000" Virtual Fair has entered its third year. By now, the number of active stands has risen to 114. The stands are used by members of the "4 per 1000" network to present their projects and other activities to a wider audience.

As a novelty this year, the Soil Innovation Day was introduced as the opening event of the fair. The online event was organized by the "4 per 1000" Executive Secretariat and aimed at giving the participants of the virtual fair the opportunity to get in touch with each other directly. It took place on June 9 and was also accepted as a partner event of the EU Green Week.

The Soil Innovation Day was divided into a French and English speaking session. Both sessions opened with a speech by Paul Luu, "4 per 1000" Executive Secretary. Gabrielle Bastien, Vice President of the international "4 per 1000" Initiative, moderated the French session, while Samuel Ottnad (Executive Secretariat) moderated the English session later in the day.

Speakers came from a variety of stakeholder groups, including universities and research institutes, NGOs, farmer associations, and private companies.

The presentations were divided into three thematic blocks, "Fertilizers and Livestock Manure", "Innovation, Technology and MRV" and "Soil Health and Restoration".

Each speaker was given 5 minutes to introduce their organization and highlight specific activities. During the discussion panel following the presentations, participants had the opportunity for more in-depth exchanges with each other. Participants showed great interest in each other's work and asked more specific questions about particular activities and even raised opportunities for collaboration. They also shared challenges that their organizations face in their respective areas of work. Overall, the event was well received by participants. They praised the opportunity to connect with people from other organizations and share their work with them.

For more information, [see the agenda](#).

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

Save the date!

Eleventh Session of the Global Soil Partnership (GSP) Plenary Assembly - July 12-14, 2023 - Online and in person - Rome, Italy

This year's Plenary Assembly will be held in a hybrid format at FAO headquarters and sessions will be simultaneously interpreted in the six FAO official languages: Arabic, Chinese, English, French, Russian and Spanish.
More information [here](#).

Nature-Based Solutions Conference & Expo and Soil Carbon Summit - 17-19 July - Brisbane Convention & Exhibition Centre, Australia

Ambitiously exploring more topics – bigger, and more inspirational than ever. It also incorporates the Soil Carbon Industry Group (SCIG) one-day Soil Carbon Summit. The Inaugural Nature-Based Solutions Conference & Expo is hosted by Carbon Farmers of Australia (CFA).
Information and registration [here](#).

AAPRESID Congress - From August 9 to 11, 2023 - Online and in person at the Metropolitano Events Center - Rosario, Province of Santa Fe, Argentina

This year, the congress to be the space to discuss the multiple Carbon strategies:

- 9 topics thematic areas: Soil health and climate change, bioeconomy, biotechnology, agroecological systems, integrated systems, crop management, machinery and new technologies, legislation and public policies, and education and communication,
- Over 90 simultaneous lectures.

More information [here](#).

31st International Leadership Workshop for Rural Youth - From August 9 to 23, 2023 - House of Bavarian Agriculture, Herring, Germany

This event is organised again this year by the German Federal Ministry of Food and Agriculture (BMEL). The workshop is aimed at managers and multipliers from all over the world who hold positions of responsibility in the field of youth work or vocational training in rural areas. The motto of this year's workshop is: "Think globally - Get together and act locally".
Information and registration [here](#).



The international "4 per 1000" Initiative was invited as a speaker to a round table on the development and financing of agriculture in developing countries as part of the [Summit for a New Global Financing Pact](#) held in Paris on June 22, 2023.

To watch the replay of the round table "On the road to Marrakesh - Financing the agricultural transition in lower income countries", click [here](#).

The international "4 per 1000" Initiative, the Coalition on Action for Soil Health (CA4SH) and the British Society of Soil Science (BSSS) co-hosted a policy luncheon "Building a Roadmap for Soil Health in the Climate Change Agenda" during SB58 in Bonn.

As kick-off to the event, Clement Metivier from WWF provided short reflections on the recognition of soil health in the negotiations during SB58. He was followed by Miriam Medel García from the UN Convention to Combat Desertification (UNCCD) who stressed the integrating role of soils for achieving the goals of all three Rio Conventions, the need for greater public recognition of the topic and for policy work beyond soils. Jack Hannam (BSSS), Christina Munzer (Australian government, department for Agriculture, Fisheries and Forestry) as well as Marcelo Torres (Aapresid) provided inspiring examples of national policies and actions on soil health and of how local approaches can help to achieve change on a global scale.

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



The 1st Northern European Regional Meeting of the international "4 per 1000" Initiative brought together over 300 researchers, business and NGO representatives, farmers, and policymakers in Helsinki on 6-8 June 2023.

Participants discussed the multiple benefits that soil health can offer, as well as the bottlenecks hindering the large-scale improving of soil health. Main messages to be presented at UNFCCC COP28 later this year were formulated at the meeting. Read more [here](#).

Save the date!

Wageningen Soil Conference - Monday, August 28 to Friday, September 1, 2023 - Wageningen, Netherlands

Wageningen University & Research and ISRIC are delighted to invite you to the fifth edition of the Wageningen Soil Conference. The conference has an interactive character with conference sessions as well as workshops on divergent soil-related topics. The focus of the conference will be on working together on solutions for a sustainable world. The four conference days are divided into different topics. The programme for 2023 will consist of keynote presentations and parallel sessions in the mornings, masterclasses in the afternoons, fantastic side events, and much more. We look forward to an inspiring conference!
More information [here](#).

International "4 per 1000" Initiative Regional Meeting for Asia and the Pacific on Soil carbon sequestration: potential, opportunities, and strategies for healthy soils and climate change mitigation in Asia - 7 to 10 February 2023 - Kanha Shanti Vanam - Hyderabad (India)

This meeting is co-organized by the "4 per 1000" Initiative, International Crops Research Institute for the Semi-arid Tropics (ICRISAT), Indian Council of Agricultural Research (ICAR), Alliance Bioversity International-CIAT, Trust for Advancement of Agricultural Sciences (TAAS) and Heartfulness Institute.

Objectives of the Regional Meeting:

- * To deliberate on the potential, challenges, opportunities, and strategies in soil C sequestration and soil health in Asia,
- * To propose an implementation pathway from policy to action through a regional 4 per 1000 roadmap, which would include:
 - An action plan for establishing a regional consortium to foster collaborative research around carbon sequestration in soils and maintaining healthy soils, and
 - A regional database on good agricultural practices for carbon sequestration and climate change mitigation to support transition and payment for ecosystem services.

Information and registration [here](#).

GLF Nairobi 2023 Hybrid Conference: A New Vision for Earth - October 12, 2023 - Nairobi, Kenya - face-to-face or online

Join global experts, passionate youth, and change-making practitioners at the GLF Nairobi 2023 Hybrid Conference to learn how we can revitalize Africa's food systems and adapt to the effects of the climate crisis. More information and registration [here](#).



15th Meeting of the Scientific and Technical Committee of the international "4 per 1000" Initiative

During the first week of June, the members of the Scientific and Technical Committee (STC) of the Initiative convened for their 15th meeting in Helsinki, Finland. As well as reviewing progress on ongoing and recently initiated activities, including assessment of projects and working with the young research fellows who have applied to contribute to scientific analyses or articles, STC members had a lively exchange on current research findings and applications which they regard to be of importance for the work of the Initiative. Inspired by this discussion, STC members elaborated on how to further promote the goals of the Initiative and to best communicate research findings related to soil carbon and soil health to policy makers and to the entire community. Activities will include scientific articles, conference participation, policy briefs and a novel webinar series which will introduce recent ground-breaking research to members of the network. It is planned that the webinar series will be kicked-off this summer; more information and formal invitations will follow. The Initiative is proud to be advised and supported by such a strong group of experts that is able to help build the bridge between science, policy and on-ground action. To learn more about the STC, click [here](#).

INTERNATIONAL SEMINAR ON THE PRESERVATION AND RESTORATION OF FOREST SOILS IN WEST AFRICA
MAY 15TH-17TH, 2023 (ABIDJAN, CÔTE D'IVOIRE)



Regional meeting in West Africa of the international "4 per 1000" Initiative

From May 15-17, scientists, farmers, NGO and government representatives from the region met in Abidjan, Cote d'Ivoire, to discuss approaches to the preservation and restoration of post-forest soils in Western-Africa. The meeting was co-organized by the Ivorian Ministry for Agriculture and Rural Development (MEMINADER), CIRAD and the "4 per 1000" Initiative. Besides high-level scientific input and political representation, the meeting evoked a lively exchange between all stakeholder groups on levers and barriers for adapting sustainable management approaches in cocoa and coffee production.

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

On May 4, 2023, the 3rd Ministerial Conference of [the AAA Initiative](#) (Adaptation of African Agriculture) was held in Meknes, Morocco to mark the 15th edition of the SIAM (Salon International de l'Agriculture au Maroc).

At the Initiative AAA's Scientific Committee meeting on May 3, Professor Rattan LAL and Paul Luu, Executive Secretary of the international "4 per 1000" Initiative, proposed that soil health should be considered as The major topic on which to focus actions to adapt the continent's agriculture. This is one of the key points in the cooperation agreement signed between AAA and "4 per 1000".



Riad BALAGHI (AAA Initiative), Paul LUU ("4 per 1000" Initiative), Mohamed AIT KADI (AAA Initiative), Faouzi BEKKAOUI (INRA Maroc - AAA Initiative)



Racine LY (Akademiya2063), Karl SCHULTZ (IPAM), Rattan LAL (OSU - Ohio State University), Robert BERLIN (Syngenta Foundation), Loubna CHAMIM (AAA Initiative Foundation), Paul LUU ("4 per 1000" Initiative), Schengen FAN (China Agricultural University)

On Thursday April 20, [Groupe Laboratoires Dubernet](#) & [Terra Mea](#) organized a technical conference in Guissan (France): 'Les sols (premiers organismes) vivants'.

7 scientific and field experts from the agricultural, winegrowing and oenology sectors, including Matthieu Dubernet, Groupe Laboratoires Dubernet and Paul Luu, international "4 per 1000" Initiative, spoke on this theme, to understand the importance of soil life in the context of positive agro-ecology.

It was also an opportunity for the Group [to present the 3-Biom innovation for soil microbiological analysis](#). This new method measures the quantity of fungi, bacteria and protists present in the soil, and distinguishes between their three states: active, dormant or dead. The event was attended by 200 people, mainly farmers and winegrowers from the French Languedoc region.

To see the video of the conference, click [here](#).



The 16th Soil Study Days (Journées d'Étude des Sols - JES) took place from June 26 to 29, 2023, in Dijon (France) on the theme: "Soils and food systems".

Organized by the Institut Agro and the 'Association Française pour l'Étude du Sol' (AFES), the JES brought together French-speaking soil science specialists, researchers and practitioners, for exchanges and discussions. Information on these days will be published progressively on this [page](#).

The 'Association Française pour l'Étude du Sol' ([AFES](#)) is a Partner of the international "4 per 1000" Initiative.

Save the date!

'Transitioning towards regenerative agriculture through agroecology: a systemic approach' International workshop - 25-27 October 2023 - Siem Reap, Cambodia

The transitioning towards regenerative agriculture is of special relevance for the Asia-Pacific region which is particularly vulnerable to climate change and where smallholders comprise a high proportion of farmers.

The objectives of the workshop are:

- To share Cambodian experience related to Agroecology (AE), Conservation Agriculture (CA), and coordination mechanisms in support to systems shift
- To learn from other experiences in South East Asia and Pacific related to Regenerative Agriculture, Agroecology, and support to transitioning processes
- To discuss the role of research in supporting the expected systems shifts.

This workshop is co-organized by Cambodian Conservation Agriculture and Sustainable Intensification Consortium (CASIC), Agroecology and Safe Food Systems Transition (ASSET) and Innovation for Sustainable Agriculture (ISA) projects, Agroecology coalition, the international "4 per 1000" Initiative, United Nations Economic and Social Commission for Asia and the Pacific (ESCAP) and the Centre for Sustainable Agricultural Mechanization (CSAM).

More information to come [here](#).

Regenerative Earth Summit - 8-9 November, 2023 - Cable Center, Denver, Colorado, USA

The Regenerative Earth Summit strives to co-generate with organizations and leaders that work in collaboration with nature, by prioritizing ecosystemic health and focusing on the well-being of farming communities. To learn more, please click [here](#).

The United Nations Framework Convention on Climate Change (UNFCCC) - COP 28, will be held in Dubai (United Arab Emirates) from 30 November to 12 December 2023.

More information [here](#).

The 7th Day of the international "4 per 1000" Initiative will be held on the sidelines of COP 28, around December 6, 2023.

More information to come [here](#).



A CaSA network webinar on soils and carbon markets was held on June 23.

Will we be able to sell our soil's organic matter on future "carbon" financial markets? If the question posed here is a caricature, what do we know about carbon markets? What are they, who is involved, what type of project, what size? What control tools will be used? Certification? But how does it work? ... Members of the CaSA network, Martial Bernoux (FAO), Clovis Grinand (Nitidae) and Julien Demenois (CIRAD), and local players, Ms. Lalao Aigrette Ravaoarinosihoarana (Blue Ventures NGO in Madagascar), shared their experience and skills to answer these questions.

More information to come by clicking [here](#).



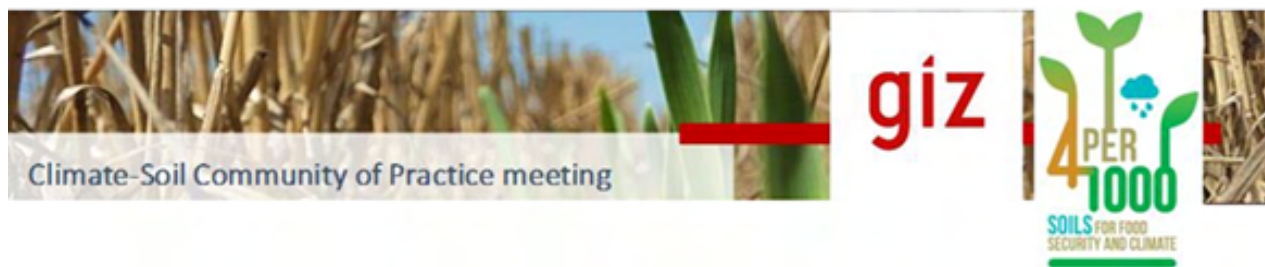
On June 7, 2023, Neutrality, the National Conference on Contribution to Carbon Neutrality, took place at Sciences Po Paris (France).

Organized by Institut Orygeen, Everwood and under the High Patronage of the French Ministries of Ecological Transition and Territorial Cohesion, and of Agriculture and Food Sovereignty, the conference brought together over 300 participants, all players in the forestry/wood and agricultural sectors and companies already committed to the issue, who came to attend the face-to-face conference.

The aim of the 'Neutrality Conference' was to enlighten companies wishing to complement their decarbonization efforts with initiatives to contribute to carbon neutrality.

To find out more and watch the replays, click [here](#) (in French).





"Biochar - How to scale it? »

Event of the Climate-Soil Community of Practice (March 28, 2023)

The first webinar 2023 of the Climate-Soil Community of Practice focused on levers and bottlenecks for scaling up biochar production and application in the tropics and subtropics.

Participants were introduced to industrial biochar production in China, as well as to biochar production from agricultural residues in Kenya and from domestic energy use in rural India. Finally, an international carbon standard for smallholder biochar production was introduced, and the possibilities to scale biochar through financial incentives from the voluntary carbon market were discussed.

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



Call for project proposals for ReDAA grants!

REDAA's first grant call is now open!

This call focuses on **'medium-sized' Project Grants of between £200,000 and £500,000 (GBP) over two to four years**. Projects are expected to start from 1 January 2024.

REDAA invites **proposals for locally led research-to-action initiatives in sub-Saharan Africa, South Asia and Southeast Asia that help both people and nature to thrive**.

Each proposal should be focused on one or more of the thematic priorities:

1. Local research and capability for research
2. Resource and land use assessments
3. Business models
4. Financing mechanisms
5. Inclusive governance systems

The deadline for applications is 31 July 2023, 23:59 British Summer Time (UTC+1).

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



Support the International 4 per 1000 Initiative!



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 the Executive Secretary by e-mail: secretariat@4p1000.org

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





Our Partners and Members act!

Ontario Investing In Improved Soil Health

The Canadian province Ontario is investing \$9.5 million to support key elements of the Grow Ontario Strategy. Canada is a Member of the international "4 per 1000" Initiative. To learn more, click [here](#). To learn more, please click [here](#).

The Scottish government is investing around £50 million a year into a portfolio of strategic research to ensure that Scotland maintains its position at the very cutting edge of advances in agriculture, natural resources and the environment. To learn more, please click [here](#).

UK leads the way on agricultural innovation at Washington D.C. Climate Summit with an investment of £3 million in the Global Fertiliser Challenge to fund new research to develop alternative fertilisers to boost sustainability and productivity

"Innovation is key to unlocking a more sustainable, profitable future for our farming and agriculture sectors. It is vital we join together at the international table to share expertise and best practice, and fund new research to catalyse pioneering solutions that will support farmers around the world to meet the challenges of food security while delivering for our environment" said Mark Spencer, UK Secretary of State for Environment, Food and Rural Affairs, on May 9, 2023. To learn more, please click [here](#).

The Ministry of Livestock, Agriculture and Fisheries of Uruguay, through the General Directorate of Natural Resources, implements and develops [different plans and policies to move towards a sustainable intensification of production, promoting soil care](#).

In 2022, a new update of the soil map of Uruguay (scale 1:40:000) was published, reaching a total area of 3,685,802 ha published, which constitutes a new advance in the generation of new quality information and characterization of soils. The soil map provides more detailed information and improves the use and management of soils, adapting them to their capabilities. It is a tool for decision making (aimed at producers, technicians and decision makers). To learn more, please click [here](#).

Understanding, protecting and enhancing agricultural soils



In February, the [GIS Relance Agronomique](#), in conjunction with the [French Ministry of Agriculture and Food Sovereignty](#), organized the PNDAR-CASDAR 2023 "Understanding, protecting and enhancing agricultural soils" day. Farmers, engineers, researchers, agricultural advisors and teachers worked together. In groups, they carried out research and concrete actions to maintain soil vitality. Soil microbiology, conservation practices and results, agroforestry and fodder autonomy, decision support... Prof. Marc-André Selosse gave an update on current research. Relive this symposium through the replay videos and speakers' presentations available [on this page](#).



Our Partners and Members act!

CIFOR-ICRAF publishes [here](#) a primer on agroforestry design and management principles for people and the environment.

CIFOR-ICRAF is a center of research excellence delivering transformative science to create a future with healthy, biodiverse, and productive landscapes. CIFOR-ICRAF works in partnership with governments, academia, civil society and private companies to deliver solutions to five major global challenges: deforestation and biodiversity loss, the climate crisis, unsustainable food systems, unsustainable supply and value chains, and extreme inequality. CIFOR-ICRAF is a Member of the international "4 per 1000" Initiative.

Check out [this web feature](#) showcasing some of **CIFOR-ICRAF's recent work on soil health and land restoration** and find out why we can no longer take for granted the 'skin of the Earth'.

Living dirt: why microorganisms matter for healthy soil

Arm management and agroforestry can help soil biota to restore and sustain ecological functions. To learn more, click [here](#).

Over the past three decades, the Global Environment Facility (GEF) has provided more than \$22 billion and mobilized \$120 billion in co-financing for more than 5,000 national and regional projects.

The Global Environment Facility (GEF) is a family of funds dedicated to confronting biodiversity loss, climate change, pollution, and strains on land and ocean health. Its grants, blended financing, and policy support helps developing countries address their biggest environmental priorities and adhere to international environmental conventions.

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

The Global Environment Facility is a Member of the international "4 per 1000" Initiative.

Member of the international "4 per 1000" Initiative, the International Union for Conservation of Nature (IUCN) is a membership Union uniquely composed of both government and civil society organisations. By harnessing the experience, resources and reach of its more than 1,400 Member organisations and the input of some 15,000 experts, IUCN is the global authority on the status of the natural world and the measures needed to safeguard it.

IUCN works on a range of themes, including agriculture and soil biodiversity, drylands and land degradation.

To find out more about their work on these themes, click [here](#).



Our Partners and Members act!

The Alliance Agrobiodiversity Index has won the 2023 Food Planet Prize for spotlighting the natural wealth of plants, foods, and natural complexity that nourish people and the planet.

"It has a vision of using science and empirical evidence to quantify and measure the sustainability of the food system, and translate this into a quantitative index for farmers, businesses, and policy, in order to accelerate the adoption of sustainable and healthy food systems", details the news on the [Food Planet Prize](#) website.

In fact, the Agrobiodiversity Index provides the means to measure the gap between the agricultural biodiversity we have in our food system, and the thousands of plant and food species and varieties we could have, to help maintain healthy diets and resilient production systems now and in the future. To learn more [here](#).

The international "4 per 1000" Initiative is hosted by the Alliance of Bioversity International & CIAT, which is part of CGIAR, a global research partnership for a food-secure future. [CGIAR](#) is a Member of the international "4 per 1000" Initiative.

Sustainable soil management for nutrition-sensitive

You would like to know more about the link between Soil Health, crop micronutrient content and human nutrition, the [FAO](#) publication 'Technical Guidelines on Soils for Nutrition' can be downloaded by clicking [here](#).

The project 'Sustainable soil management for nutrition-sensitive agriculture' is a three-year initiative funded by the [Federal Ministry of Food and Agriculture of Germany](#).

The project is piloted in Bangladesh, Burkina Faso and Malawi and focuses on the implementation of sustainable soil management practices to improve the nutritional quality of locally produced food.

The World Bank Group, a leading financier of agriculture

Agriculture can help reduce poverty, raise incomes and improve food security for 80% of the world's poor, who live in rural areas and work mainly in farming. The World Bank Group is a leading financier of agriculture. To learn more, click [here](#).

With 189 member countries, staff from more than 170 countries, and offices in over 130 locations, the [World Bank Group](#) is a unique global partnership: five institutions working for sustainable solutions that reduce poverty and build shared prosperity in developing countries. On June 2, 2023, [Ajay Banga](#) was elected 14th President of the World Bank Group.

The World Bank is a Member of the international "4 per 1000" Initiative.

The Agence Française de Développement (AFD) Group funds, supports and accelerates the transition to a fairer and more sustainable world. Focusing on climate, biodiversity, peace, education, urban development, health and governance, AFD teams carry out [more than 4,200 projects](#) in France's overseas departments and territories and another 150 countries. AFD is a Member of the international "4 per 1000" Initiative.

A tool to rapidly estimate tropical fruit crop yields

Many fruit producers lack tools to predict their yields. Some count their fruits themselves, while others have neither the time or the workers needed for such an estimation. Knowing the production level of their orchards is nevertheless crucial to enable farmers to position themselves in relation to potential buyers, to anticipate their yields, and even to reduce losses.

The "PixFruit" digital expertise developed by CIRAD now provides this valuable information. A fruitful partnership with the private company SOWIT has already resulted in the creation of a smartphone application. To learn more, click [here](#).

Soil carbon: a global overview of the impacts of human activities

A study published on June 22 in Nature Communications synthesizes 230 meta-analyses on the effects of land use, agricultural practices and climate change on soil organic carbon. Based on over 25,000 experiments, it identifies effective agricultural land management practices for restoring soil carbon, such as agroforestry and the use of organic amendments. The effects of climate change pose a potential threat to the maintenance of soil carbon on a large scale.

What are the effects of human activities on soil carbon stocks? For the first time, eight CIRAD scientists are offering a global, quantified overview in response to this question. For further information, click [here](#).

Service crops improve degraded soils

An [INTA](#) research team is analyzing the short-term effects of including different winter service crops on the physical, chemical and microbiological properties of soils degraded by bean monoculture. [The results of the study will help generate strategies to restore soil health and minimize soil degradation.](#)



Our Partners and Members act!

European research establishes a common frame of reference for sustainable soil management

In June, the European Joint Program on Agricultural Soil Management (EJP SOIL) met for the third edition of its annual Scientific Days in Riga. The [EJP SOIL](#) aims to meet the global challenges of climate change and food security by developing a European system of integrated research into the sustainable, climate-smart management of agricultural soils. Over 400 scientists and 26 partner organizations from 24 European Union countries have been working together since 2020, for a period of 5 years. Their aim is to improve soil knowledge, find research synergies, strengthen research communities and raise public awareness of these issues. INRAE is the program's coordinator and is involved in many of its projects.

To learn more, please click [here](#) (in French). The international "4 per 1000" Initiative is a partner of EJP SOIL.

The "C" Side of the Agriculture Sector

On the occasion of the 30th edition of its annual Congress, [Aapresid](#) shares [here](#) its view on agriculture in the coming year.

Improving your farm's carbon footprint

[In this article](#), APAD outlines ways to improve carbon storage and limit greenhouse gas (GHG) emissions linked to farming practices. For over 20 years, [APAD](#) (Association pour la Promotion d'une Agriculture Durable) has been promoting Soil Conservation Agriculture (SCA). An association under the French Law of 1901, APAD is managed by a Board of Directors made up of 100% farmers. APAD is a member of the international "4 for 1000" initiative.

"Possibilities of Regeneration" short film

Created by [Kiss the Ground](#), produced and directed by Kate Oliva, "Possibilities of Regeneration" short film was co-written and narrated by Lyla June Johnston, an Indigenous public speaker, artist, scholar, and community organizer

Featuring Lyla June Johnston, the film explores the origins of regenerative agriculture, offering a story that is both new and ancient in its roots. The film takes a holistic approach to regenerative stewardship, expanding the idea of regeneration beyond the principles popularized in the relatively young regenerative agriculture movement. Watch [here](#).



From Kiss the Ground ONG filmmakers Josh and Rebecca Tickell, the follow-up to Kiss the Ground film, [Common Ground](#), explores the ways politics, power, and money contribute to the current food system. The film debuted at the Tribeca Film Festival - June 2023. Common Ground comes out this year. Get ready for this impactful film. Common Ground comes out this year. Get ready for this impactful film.

Cultivating Farmer Prosperity: Investing in Regenerative Agriculture

Farmers could expect a 15-25% return on investment after transitioning from conventional to regenerative agriculture systems, however the transition can take three to five years, according to a report and economic analysis released today by Boston Consulting Group (BCG) and the World Business Council for Sustainable Development's ([WBCSD](#)) One Planet Business for Biodiversity ([OP2B](#)) coalition. The new report, "Cultivating Farmer Prosperity: Investing in Regenerative Agriculture," examines the major financial advantages and systemic barriers for farmers trying to adopt sustainable farming practices and offers public and private-sector solutions to assist farmers in the transition period.

The report, which surveyed and interviewed over 100 U.S. farmers, found that early adopters cited tangible benefits from regenerative systems – notably healthier soil, reduced input costs, fewer complications from fertilizer run-off, greater biodiversity, and better resilience to extreme climate.

Based on the surveys and interviews with farmers and a financial analysis of wheat farmers in Kansas, the report found that there can be a positive business case for regenerative agriculture in the long run, with profits reaching as much as 120% above the earnings of farmers using conventional practices.

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



Our Partners and Members act!

Organic Consumers Association and Regeneration International have developed [a farm map of more than 3,200 recommended organic and regenerative farmers around the globe](#).

We can support these farmers every day, by buying local, organic, and regenerative.

[Organic Consumers Association](#) and [Regeneration International](#) are members of the international "4 per 1000" Initiative.

WWF, [REMY COINTREAU](#), [MOËT HENNESSY](#) and [GENESIS](#) are accelerating and building on the transition towards regenerative agriculture

From the carbon credit to the first European environmental credit: measuring the impact of regenerative agriculture to value the transition of the farming and winegrowing sectors. To find out more, click [here](#).

REMY COINTREAU, MOËT HENNESSY and GENESIS are Partners in the international "4 per 1000" Initiative.

In april, [NetZero inaugurates in Brazil world's largest biochar factory using crop residues](#). NetZero is a Partner of the international "4 per 1000" Initiative.

The roles of agriculture and forestry in climate change are multiple. They concern several actors and can be treated at several scales and by different scientific disciplines. **The "[Soil and climate](#)" MOOC wishes to explain this complexity and in particular the role played by soils.** The MOOC was produced with the financial support of [ADEME](#) and the [Avril Foundation](#). This MOOC is free and accessible until December 15, 2023 (in French).

Soil Health for the first episode of 'Responsibilities' Series

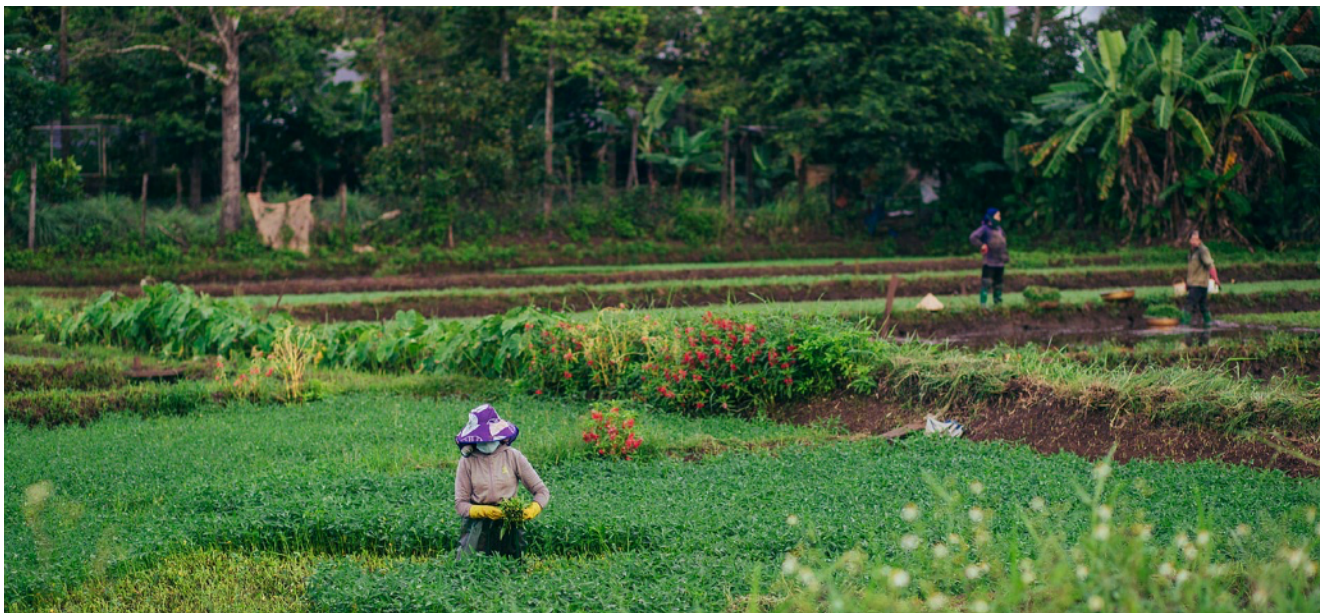
Soil is the basis of all terrestrial life, yet it's one of the least understood biospheres on planet Earth. While vigneronns have always known the value of the floor beneath our feet, they have not been able to access the best scientific understanding of it, for the simple reason that soil has been a largely unknown quantity to science itself, until recently.

That's why ARENI chose to discuss [soil health for the first episode of their 'Responsibilities' Series](#), where they explore the specific responsibilities of those who work with fine wine.

This series has been possible thanks to the support of [Moët Hennessy](#) and their program Living Soils, Living Together.

Moët Hennessy is a Partner of the international "4 per 1000" Initiative.



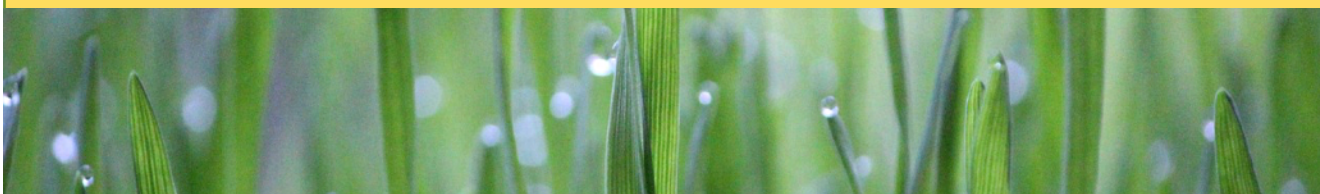


To be read ... To listen ... A must see ...

**How to Transition From Conventional Agriculture to Agroecology?
Interview with Paul Luu, Executive Secretary of the international "4 per 1000" Initiative**

In this episode 2 of Heroes Voice by [Captain Forest](#), Paul Luu, Secretary Executive of the international "4 per 1000" Initiative explains the impacts of conventional agriculture, the benefits of agroecology, and how to transition from the destructive conventional agriculture system to agroecology.

To read the interview click [here](#). To see and listen to the podcast, click [here](#).



Activities related to the international "4 per 1000" Initiative

'Mapping the development of agroecology in Europe' book

[This book](#) provides key information on the latest advances in agroecology in Europe and its current development in 13 European countries (Albania, Austria, Bosnia, Bulgaria, Croatia, Germany, Greece, Italy, Kosovo, Malta, Montenegro, Northern Macedonia and Romania). This work is an essential step towards understanding the current development of agroecology and supporting its expansion.

This volume presents no less than 112 initiatives and concrete examples related to agroecology, as well as its development on a European scale and the diversity of the use of the concept. The analysis has been carried out considering the different dimensions that agroecology can have: as a science, as a set of practices and as a social movement..

Soil is a rich and complex ecosystem in its own right. It's not just a surface we walk on. It is the source of almost all our food, some of our medicines, water purification and climate regulation... Our survival depends on its health. To find out more, [this infographic from ADEME \(in French\)](#) explains why soils are fragile, describes their role and the threats they face, and suggests solutions for preserving them.



Follow the international "4 per 1000" Initiative on social networks!

@4p1000 Initiative // Please Suscribe / like / share



Facebook Page: [4p1000 Initiative](https://www.facebook.com/4p1000) www.facebook.com/4p1000 ou fb.me/4p1000
Facebook Group: [All 4 per 1000](https://www.facebook.com/groups/all4per1000) www.facebook.com/groups/all4per1000



Linkedin: [4p1000 Initiative](https://www.linkedin.com/company/4p1000initiative/) <https://www.linkedin.com/company/4p1000initiative/>



Twitter: [#4per1000](https://twitter.com/4per1000) www.twitter.com/4per1000



YouTube: [4p1000 Initiative](https://www.youtube.com/channel/UCvBmNtaHxi3PcvbUkkL_UQg) www.youtube.com/channel/UCvBmNtaHxi3PcvbUkkL_UQg

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](https://twitter.com/4p1000initiative)



To see ...

'Amazon's Climate Pledge releases an episode in its Future Forward docu-series showcasing corporate innovations and climate action called, "[The Future of Forests](#)" that centers around **The Nature Conservancy's agroforestry work in the Amazon alongside ICRAF-World Agroforestry Centre**. [The Nature Conservancy](#) and [ICRAF](#) are Members of the international "4 per 1000" Initiative.

Watch 'The Soil Story' to discover the role of soil in the fight against global warming. [This video](#) was produced by Kiss The Ground, Member of the international "4 per 1000" Initiative.

The 2,000-year-old food forest in Morocco

[Geoff takes us on a tour of a 2,000-year-old ancient food forest in Inraren, Morocco](#). He first visited this valley oasis in 1975, and has returned several times to document the evolution of what many consider to be the world's oldest system of managed sustainable agriculture.

If you don't know what a food forest is, check out [Geoff's free Masterclass](#) for a deep dive into all things permaculture.



To listen ...

"[Secrets of the Soil](#)" is a podcast dedicated to empowering people with soil knowledge.

Hosted by Regen Ray, "Secrets of the Soil" offers tips and tricks on improving soil health, as well as expert interviews on related topics.



They have joined the International "4 per 1000" Initiative!

(between March and May 2023)

Civil society & non-profit organisations

APEFA - Rwanda

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

Caring Home Mityana - Uganda

Website: under progress.

European Biogas Association - Belgium

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

Ludi soli - France

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

Civil society & non-profit organisations

Mutuus - Portugal

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

Commercial & for-profit organisations

COFFEE T+ANK - Colombia

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

PLANET Technology Corporation - Taiwan

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

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

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

770 Partners including 339 Members! (May 2023)

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](#)

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 September 10, 2023**. You can send an e-mail to socialmedia.admin@4p1000.org.