



Editorial

#14

October 2021

Dear Partners and Members,

With less than two months to go before the UNFCCC COP 26 in Glasgow in the first half of November, many of us are trying to organise ourselves to hold face-to-face events that also allow for online participation, in a hybrid format.

This is the format we are favouring for **the 5th Day of the "4 per 1000" Initiative on 10 November, which will be preceded by the Scientific and Technical Committee meeting on 8 and 9 November**, also in a hybrid format. As every year, this will be an important moment for the life of the Initiative, not only because it will mark the return to exchanges facilitated by the renewed human contacts, but also because we will propose to our 658 Partners, 295 of whom are Members, to express themselves and, we hope, to approve the Implementation Plan resulting from the Strategic Plan adopted in 2020. The implementation of the 24 objectives of the Strategic Plan through the actions and activities that have emerged from the Task Forces gathered since July 2020 thanks to the Delphi study elaborated by the Executive Secretariat, will concretise the action on the ground of our Initiative, and its partners and friends.

The meeting of the Partners' Forum will allow to present to all the operational framework of the Initiative in order to clarify the role and involvement of the Executive Secretariat with its own budget, and the need to build open multi-partner coalitions to mobilise funds to finance the Projects and Activities of the Implementation Plan.

It will also be an opportunity to **officially launch the Twin Regions Project, which is also part of the Strategic Plan, via a pilot project that is still seeking funding.**

The key word at the end of 2021 seems to be "mobilisation of resources", as it will be necessary to make all these projects a reality and directly benefit those who work on the ground, particularly farmers and foresters. I would like to take this opportunity to remind all our Partners and Members that [Béatrice BRETON-ASKAR](#) remains at your disposal to study the practical details of any support, whether in kind or budgetary, small or large.

Since the first quarter of 2020 and until now, we have had to innovate by organising virtual events. Thanks to online tools, we have held many meetings and webinars, and we will continue to do so as this new way of working saves us time and has less impact on our environment. The last webinar we organised on 8 September was entitled "How to make Carbon Farming a Success for the Climate, the Environment and Farmers", and was hosted by Pascal CANFIN, Chairman of the European Parliament's Environment Committee and Norbert LINS, Chairman of the European Parliament's Agriculture Committee. You will find in this newsletter an insert on this webinar with a link to our YouTube channel to watch all the presentations and debates.

Still on the subject of online events, I would like to remind you that the Virtual Fair of the "4 per 1000" Initiative, which took place last June, will remain permanently active. So, there is still time to open a stand to present your country or organisation and your actions related to the "4 per 1000" Initiative.

Before closing this editorial, I would like to welcome Samuel OTTNAD from the German BLE who joined the Executive Secretariat last July.

This newsletter is yours. You can send us the information you wish to share with our network (please use the following address: socialmedia.admin@4p1000.org). Furthermore, if you wish the Initiative to relay your news on its social networks, please add the mention @4p1000Initiative at the end of your publications. I invite you to keep an eye on the information on our social networks because we are preparing the publication of a book with the publisher La Butineuse.

All that remains is for me to invite you to the 5th Initiative Day, on 10 November, either in person or virtually. Until then, take care of yourself and your loved ones.

Dr. Paul LUU, Executive Secretary



5th International "4 per 1000" Initiative Day November 10th, 2021

In the changing context of the crisis, it is likely that the format of COP 26 will not be exactly the same as in the past and that the number of participants who will travel to Glasgow will be much smaller. As a result, **the fifth day of the International "4 per 1000" Initiative will still be held in a mixed in-person and online format on the morning of November 10 for the Forum of Partners (consultative and discussion body) and in the afternoon for the Consortium of Members (decision-making body).**

The Partners' Forum will be opened by a High-Level Segment when personalities representing Members and Partners will be invited to take the floor to present their activities and their vision for the implementation of the Initiative's Strategic Plan.

The general theme of this "4 per 1000" Day will be the mobilization of actors (partners, members and supporters of the Initiative) through multi-stakeholder coalitions for the implementation of the 2050 Strategic Plan and its action plan.

Further details on the program, logistics and online registration will be communicated soon [on the conference website](#).

The 12th meeting of the Scientific and Technical Committee will be held in Glasgow on November 8 and 9, 2021.



My region & Your region, let's solve the climate crisis together, NOW!

The 'Twin Regions' action will be officially launched at the UN COP26 "Uniting the world to tackle climate change" (31 October - 21 November, Glasgow, United Kingdom).

A 'Twin Regions' consists of two opposite places that come together to overcome their mutual environmental, economic, and social constraints by using their complementary skills and resources. Together, they are pursuing the goal of becoming carbon neutral by 2035, paying off their historic carbon debt from then on, and building a system of environmental stewardship and global equality.

The "4 per 1000" Initiative recognizes the enormous synergistic potential of the 'Twin Regions' concept and the opportunity it offers to promote global climate action at the grassroots level. Promoting the adoption of the concept is one of the 24 goals of [the Initiative's Strategic Plan](#).

The goal is to introduce the concept in 20 countries by 2030 and in all countries by 2050. To this end "4 per 1000" is partnering with AFRIS NGO ([African Innovation Services](#)).

The 'Twin Regions' concept takes a holistic and inclusive approach and is open to partner with organizations, networks, initiatives, and programs in other thematic areas and in all regions of the world.

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



The joint European Parliament - International "4 per 1000" Initiative webinar was held on September 8, 2021, with the theme "How to make Carbon Farming a success for the Climate, Environment and Farmers".

The Green Deal has been marked as the new economic strategy of the Union. It is changing our overall legislative framework to allow the deployment of technologies and unlock the investment that will make possible carbon neutrality, and a new model of prosperity. Agriculture and farmers have an essential role to play since this is the one of the few sectors that has the ability to shift from a net emitter of CO₂ to a net sequestered of CO₂.

With:

- Mr. Pascal Canfin, Chair of the Committee on the Environment, Public Health and Food Safety - European Parliament,
- Mr. Norbert Lins, Chair of the Committee on Agriculture and Rural Development - European Parliament,
- Mr. Stéphane Le Foll, President of the International « 4 per 1000 » Initiative,
- Mr. Christian Holzleitner, Head of the Unit Land Use & Finance for Innovation (DG CLIMA.C.3) at DG CLIMA (Directorate General Climate Action) - European Commission,
- Ms. Claire Chenu, INRAE, Director of Research, Coordinator of EJP Soil, Member of the Scientific and Technical Committee of the "4 per 1000" Initiative,
- Ms. Anne Trombini, Director, and Ms. Léa Lugassy, Scientific Coordinator - Pour Une Agriculture du Vivant,
- Ms. Margaret Kim, CEO, Gold Standard,
- Mr. Quentin Sannié, CEO, Greenback,
- Mr. Georg Goeres, Head of Europe, Indigo.

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

To watch the seminar, click [here](#).

The Soil Health Institute's annual meeting, "Enriching Soil, Improving Life" on August 11-12, 2021, brought together the leading voices in soil science and the agriculture industry to share research and insights for advancing the adoption of soil health systems that are foundational for regenerative agriculture.

"Enriching Soil, Enhancing Life" is designed to connect the science of soil health with the information farmers request when adopting soil health practices, and the environmental benefits that follow. A wide array of practical information, research, and actionable takeaways will be presented that are relevant to farmers, agribusiness, consultants, scientists, field conservationists, government, and non-governmental organization professionals around the world.

Mr. Marc Bernard, Network & Global Facilities Coordinator at the Executive Secretariat of the International "4 per 1000" Initiative participated in it.

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

[The IUCN World Conservation Congress](#) was held from September 3-11 in Marseille, France.

The session "Agriculture and land health: the common ground between agriculture and conservation" took place on Monday, September 6, 2021 with, as speakers, Mr. [Carlos ALVARADO](#), President of the Republic of Costa Rica, Mr. [Julien DENORMANDIE](#), French Minister of Agriculture and Food and Ms. [Maria Helena SEMEDO](#), Deputy Director-General of FAO. Mr. [Stéphane LE FOLL](#), President of the International "4 per 1000" Initiative spoke during this session.

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



Publication notice

The first book of the international "4 per 1000" Initiative will be published in December 2021 by Éditions La Butineuse.

From the end of October, you will be able to pre-order the book, whose working title is "*Farmers have the Earth in Their Hands*", directly on the publisher's website by clicking [here](#) and promote it to your various audiences.

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.

To contact the Editions 'La Butineuse', click [here](#).



We have learned the sad news of the passing on September 3, 2021, of Mrs. Martha Holdridge, a fervent proponent of dynamic grazing in the United States, and a recognized ambassador for regenerative agriculture. Mrs. Martha Holdridge was also active in promoting the "4 per 1000" Initiative within her network. Our thoughts are with her family and especially her son Geoff who continues her work.



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



Third "4 per 1000" Call for formative assessment of projects by the Scientific and Technical Committee (STC) of the "4 per 1000" Initiative

[The third call for formative assessment of projects by the Scientific and Technical Committee \(STC\) of the "4 per 1000" Initiative](#) was launched on May 15, 2021 and closed on July 15, 2021. 17 projects were received, 12 of which were complete, and are currently being evaluated by STC members.

Project titles and a brief description of each project are described below:

PFA_29_2021_PROJECT TERRITIGI_BURUNDI: *Soil protection against climate changes*

The "TERIGITI" project aims to plant trees in both public and private areas (an area of 25,044 ha) in order to protect the soil against climatic hazards that have a negative impact on soil carbon and food security.

PFA_30_2021_Nursery Demo Farm MOZAMBIQUE: *Namaita Central Food Security Nursery and Demonstration Farm (N.C.F.S.N.D.F.).* Main aim is to promote agroecology/agroforestry farms with a cashew orchard at its core.

PFA_31_2021_ARSV MAURITANIA: *Agriculture Régénérative des Sols Vivants. Développer des Modèles Agroécologiques pour le Sahel (ARSV).*

The objective is to develop sustainable and replicable agroecological models, based on soil regeneration, to achieve food self-sufficiency in desert environments, through four areas of intervention: experimentation, production, training and direct support to local farmers. Final numbers are 1,600 hectares of soil restored, 300,000 tonnes of COS stored, the production of 75,000 tonnes of fodder per year and the creation of almost 1,300 jobs.

PFA_32_2021_ARA-BIé FRANCE: *Projet Pilote Séquestration de Carbone sur la Filière Blé de MCDONALD'S France : Agriculture Régénératrice, Arbre & Blé (ARA-BIé).*

This pilot project aims to deploy agroecological practices in France and to support farmers towards more sustainable models.

PFA_33_2021_Stubble Burning INDIA: *Stubble Decomposing and Irrigation Spray System*

The objective is to use bio-waste decomposer to decompose agriculture biomass (Rice stubble) into organic carbon.

PFA_35_2021_REGAGR THE NETHERLANDS: *Soil Heroes Foundation - Regenerative Agriculture Experience Field.*

The aim is to prove to farmers that adopting regenerative farming practices will solve their most pressing issues, among which is soil's water retention capacity.

PFA_36_2021_PROSFA MALI: *Projet d'Appui à la Sauvegarde du Faleme pour le Renforcement de la Résilience de l'Agriculture Face au Changement Climatique (PROSFA).*

The objective is to contribute to the restoration and safeguarding of natural resources in the inland delta of the River Niger (500 Ha).

PFA_37_2021_RIZ MALI: *Initiatives innovantes en matière d'adaptation aux changements climatiques et d'atténuation de leurs effets dans la zone Mandé.* The objectives are the promotion of innovative rice production techniques in order to increase farm productivity, the promotion of market gardening through innovative irrigation methods, the improving the marketing of products, and the improving the supply of agricultural advice for the benefit of producers.

PFA_38_2021_communautés riveraines MALI: *Renforcement de la résilience climatique des communautés riveraines du complexe des réserves de faune de Bougouni-Yanfolila.*

The aim is to strengthen the resilience of communities living in the Bougouni-Yanfolila wildlife reserve complex through the application of sustainable land and water management practices adapted to soil carbon storage.

PFA_40_2021_HELLERUD NORWAY: *Conventional to Carbon: Updating Hellerud Farm's Paradigms (C.C.U.H.F.P).*

The project is the conversion of Hellerud Farm in Skjetten in Norway (30m NE of Oslo) from conventional grain and grass production to regenerative (carbon farming), with a focus on documentation and optimisation of the process to benefit others.

PFA_41_2021_AZURA MAROCCO: *Compostage et valorisation des déchets agricoles dans la région de Souss-Massa à trois finalités: assurer une faible émission de système de production de la tomate dans les fermes AZURA pour adopter une approche d'économie circulaire et réhabiliter l'écosystème arganier (AZURA 4 ADAPTATION ATTENUATION, A4AA).*

The objective is to compost of annual waste which totals 83,000 tons.

PFA_43_2021_HESOP MALAWI: *Health Soils for Prosperity Project - Malawi(HESOP).*

The major goal is to conserve and nourish the soil for community prosperity with the following objectives: promote land restoration, sustainable agriculture practices, community based forest practices and capacity building.



Governments and local authorities They act!

Member of the International "4 per 1000" Initiative, Yamanashi Prefecture is the number one producer of grapes and peaches in all of Japan. Through the "4 per 1000" Initiative, [Yamanashi Prefecture](#) is making the most of its fruit trees and their characteristics.

Specifically, its efforts include combinations of the following: carbonizing pruned branches from fruit trees, putting grass from native vegetation ground cover into the soil, and using organic fertilizers. Yamanashi Prefecture hopes that by branding this initiative, it can promote storing carbon in soil as well as increase consumer understanding.

Yamanashi prefectural government's made [this short video](#) to spread its present efforts.

New Zealand is taking action on climate change.

His government's work programme is focused on reducing greenhouse gas emissions and adapting to a changing climate. To learn more, click [here](#).

The New Zealand government also introduced a bill into parliament requiring its financial companies to report on the impacts of climate change and develop strategies to manage climate change risks and opportunities. The Financial Sector Amendment Bill 2021 is being introduced by the New Zealand government as the first global law. To learn more, click [here](#).

A fourth Living Lab in Canada.

The Agriculture and Agri-Food Canada's Living Labs initiative aims to bring together farmers, scientists and other partners to develop, test and share innovative agricultural practices and technologies.

After the Atlantic, the Eastern Prairies and Quebec, [Ontario is the fourth living laboratory](#). Farmers and local collaborators identified four agri-environmental priorities: soil quality, water quality, watershed management and biodiversity.

Living Lab - Ontario will focus on developing and testing farming practices and technologies on working farms to address these priority issues.

Helping canadian farmers to reduce GHGs and improve resiliency to climate change.

In August 2021, the Minister of Agriculture and Agri-Food, the Honourable Marie-Claude Bibeau, launched a call for proposals for the On-Farm Climate Action Fund, a new fund under Agricultural Climate Solutions. Starting this year and until 2024, the \$200-million Fund will provide direct support to farmers to adopt beneficial management practices that store carbon and reduce greenhouse gas (GHG) emissions in three target areas: cover cropping, nitrogen management, and rotational grazing practices. For more information, please click [here](#).

Member of the International "4 per 1000" Initiative, the Government of Canada also announced this summer \$340 million to support conservation. To read the press release, click [here](#).



Governments and local authorities They act!

'Green Legacy Initiative', a tree-planting campaign aimed at curbing the effects of climate change and deforestation.

Launched in 2019 by the [Ethiopian government](#), the goal of the Green Legacy Initiative is to plant 20 billion tree seedlings in 4 years. Including 2021, Ethiopians have successfully planted 18 billion trees. At every step, the annual targets were exceeded. To learn more, click [here](#).

Climate action plan of the French Ministry of Agriculture and Food

During the Ecological Defense Council of November 27, 2020, the French Prime Minister asked four ministries, among the most important in terms of greenhouse gas emissions, to establish a climate action plan consistent with France's public policies and commitments. In this vein, the Ministry of Agriculture and Food has established its national plan for adaptation to climate change (PNACC). Indeed, agriculture is intrinsically linked to the climate issue. The challenge of climate change is all the more complex for the agricultural and agrifood sector as it is called upon to contribute to the reduction of emissions, as it provides concrete solutions while being one of the first victims of this disruption.

To find out more and download the Climate Action Plan of the Ministry of Agriculture and Food, click [here](#).

Farmers, first actors of biodiversity.

To consult the file prepared on this subject by the French Ministry of Agriculture and Food, please click [here](#) (in French).

Launch of French AgriTech

On August 30, 2021, Mr. Julien Denormandie, French Minister of Agriculture and Food and Mr Cédric O, Secretary of State in charge of Digital Transition and Electronic Communications, initiated a new collective dynamic in order to encourage the structuring of "French AgriTech" and support innovations at the service of the agricultural world. To find out more, click [here](#) (in French).

Chile launches project to restore and conserve 25,000 hectares of native forest.

"... Through the CONAF-led National Strategy on Climate Change and Vegetative Resources ([ENCCRV](#)), and in collaboration with numerous partners, Chile is addressing the climate crisis through measures focused on the proper management of vegetative resources. In this framework, Chile also aims to reduce emissions from deforestation and forest degradation (REDD+) and subsequently, drought, desertification and land degradation...". To learn more, click [here](#).

The California's Healthy Soils Incentives Program.

The California Department of Food and Agriculture (CDFA) provides financial incentives to California growers and ranchers to implement conservation management practices that sequester carbon, reduce atmospheric greenhouse gases (GHGs), and improve soil health. To learn more about the California's Healthy Soils Incentives Program, click [here](#).

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

658 Partners and 295 Members! (September 2021)

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](#)

"4 questions to ..."

Lifeng LI, Director of Land and Water Division, Food and Agriculture Organization of the United Nations (FAO)

"I would like to invite the "4 per 1000" partners and members to catalyze the current soil momentum and transform it into concrete actions on the ground ..."

**1/ Lifeng LI, could you introduce yourself in a few words?**

I'm the Director of Land and Water Division, Food and Agriculture Organization of the United Nations (FAO). With the mission to enhance agricultural productivity and advance the sustainable use of land and water resources through improved management, development and conservation of land and water resources, our Division hosts the Global Soil Partnership (GSP) and provides secretariat support to all GSP members and partners.

2/ As Director of FAO's Land and Water Division, what are the main actions taken by your organization in connection with the "4 per 1000"?

FAO through its Global Soil Partnership has been working on the promotion of sustainable soil management. Given that soil organic carbon is paramount to soil health, we have organized the Global Symposium on Soil Organic Carbon in order to set an action agenda for Unlocking the potential of Soil Organic Carbon. Currently we are implementing this agenda jointly with farmers, including "4 per 1000". Our RECSOIL: recarbonization of global agricultural soils initiative is currently under operation and this was recently boosted by the launch of the Global Soil Carbon sequestration potential map. This map, which was developed following a country-driven approach, shows that soils - if managed sustainably - can sequester up to 0.56 petagrams of carbon -- or 2.05 gigatonnes of CO2 equivalent -- per year, having the potential to offset yearly as much as 34 percent of agricultural global greenhouse gas emissions. We now know, where, how much, and how (practices) we can support farmers in adopting good practices for boosting soil health and obtain the multiple co-benefits soils offer.

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

The "4 per 1000" represents for me an important political ambition that made the climate change stakeholders understand that soils can constitute one of the solutions to this global challenge. Thus, we appreciate the French efforts to advocate for soils during the COP15 as that constituted a fundamental political breakthrough to position soils in the global agenda.

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

I would like to invite the "4 per 1000" partners and members to catalyze the current soil momentum and transform it into concrete actions on the ground. In doing so, it is fundamental to join efforts among the existing initiatives so that we could make efficient use of scarce resource to boost our soils 'health. The FAO's GSP constitutes a coalition of the willing towards sustainable soil management, thus, we invite you to work together and advance the soil agenda into action.



International organisations They act!

FAO launches practical tools to encourage soil organic carbon sequestration.

On September 2021, the Food and Agriculture Organization of the United Nations (FAO) launched two practical instruments designed to encourage soil organic carbon maintenance and sequestration, a key tool for climate action. The two products unveiled today are a global map illustrating how much and where CO₂ can be sequestered by soils -- the GSOCseq, and a technical manual of good practices to sequester and maintain SOC stocks in soils. Several researchers from CIRAD have contributed to this work. The Scientific and Technical Committee of the "4 per 1000" International Initiative and the CIRCASA team reviewed the technical manual.

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

Towards Zero pollution: Global Assessment of Soil Pollution report

The Global Assessment of Soil Pollution report and its Summary for Policy makers was launched on June as part of the World Environment Day celebrations and the launch of the UN Decade on Ecosystem Restoration. This report and its summary, coordinated by the FAO's Global Soil Partnership, the ITPS, and UNEP, are the product of an inclusive process involving scientists from all regions.

For more information, please click [here](#).

State of knowledge of soil biodiversity – Status, challenges and potentialities. Summary for policy makers

There is increasing attention on the importance of biodiversity for food security and nutrition, especially above-ground biodiversity such as plants and animals. However, less attention is being paid to the biodiversity beneath our feet, soil biodiversity, which drives many processes that produce food or purify soil and water. [This summary for policy makers presents the key findings of the main report](#) and is the result of an inclusive process involving more than 300 scientists from around the world under the auspices of the FAO's Global Soil Partnership and its Intergovernmental Technical Panel on Soils, the Convention on Biological Diversity, the Global Soil Biodiversity Initiative and the European Commission. The summary for policy makers presents concisely the state of knowledge on soil biodiversity, the threats to it and the solutions that soil biodiversity can provide to problems in different fields. This report is a valuable contribution to raising awareness of the importance of soil biodiversity and highlighting its role in finding solutions to today's global threats.

Recarbonizing global soils - A technical manual of recommended management practices was published in September by the FAO Global Soil Partnership.

This manual (6 volumes) has been developed through the participatory work of more than 400 soil management experts from around the world. The document has been peer-reviewed by an Editorial Board composed of members from FAO, ITPS, UNCCD-SPI, the Scientific and Technical Committee of the International "4 per 1000" Initiative and the CIRCASA project. To consult the six volumes covering different ecosystems, please click [here](#).

Dryland agroforestry promises greener future for Kenyan farmers.

In Kenya, where less than 20 percent of farmland is suitable for crops owing to inadequate rains and degraded soils, farmers must do more than conventional farming to avoid depending on food aid.

[World Agroforestry \(ICRAF\)'s drylands development program \(DryDev\)](#) is helping farmers deal with dried-out soils that feature an impenetrable hardpan that blocks rainwater from reaching roots.

Through dryland agroforestry, once-unproductive land has been restored and productivity boosted with a wider variety of crops now growing in areas like the dry southeastern areas of Makueni County.

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

World Agroforestry (ICRAF) is a centre of science and development excellence that harnesses the benefits of trees for people and the environment.

Why the Global Environment Facility is investing in transforming food systems.

Food systems are major drivers of global forest and biodiversity loss, land and soil degradation, water pollution, and greenhouse gas emissions. Since its inception 30 years ago, [the Global Environment Facility](#) has invested in a wide range of projects in the food and agriculture sector to address the need for sustainability and resilience.

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

Save the date!

The UN biodiversity summit (COP 15) will be held online from October 11 to 15, 2021, and face-to-face negotiations from April 25 to May 8, 2022 in Kunming, China.
For more information, click [here](#).

People's Food Summit - October 16, 2021
Regeneration International, in conjunction with steering committee partners such as the Organic Consumers Association, The Global Alliance for Organic Districts, IFOAM Asia, Navdanya, the International Network of Eco Regions, Savory Hub Africa, Via Organica, The League of Organic Municipalities and Cities and BERAS International will be hosting the People's Food Summit on World Food Day. **It will be a 24 hour global, participatory, virtual summit that will start in Oceania, and move westwards through the time zones of Asia, the Middle East, Africa, Europe, Latin America and North America.** More information [here](#).

Global Symposium on Salt-affected Soils (GSAS21), Halt soil salinization, boost soil productivity, on line, 20-22 October 2021. To learn more, click [here](#).

The 5th "4 per 1000" Initiative Day will be held on Wednesday 10 November 2021 during COP26.
To learn more, please click [here](#).

The UK will host the 26th UN Climate Change Conference of the Parties (COP26) at the Scottish Event Campus (SEC) in Glasgow on 1 - 12 November 2021. More information [here](#).



**Public funding bodies
They act!**

Forests: as vital as they are vulnerable

In July, AFD, a Member of the International "4 per 1000" Initiative, published a feature report on forests. To consult it, click [here](#).

Northern Congo: protecting forests with the help of local residents

AFD is joining a whole new venture aimed at reconciling biodiversity conservation and local socioeconomic development in the Northern Congo forest basin. Through dialogue and partnerships, local people and village communities are going to be increasingly involved in forest management, through [the Northern Congo Forest Landscape Project](#).

Nearly 1,000 new development projects funded in 2020

To read AFD's 2020 annual report, please click [here](#).

Farmers learn climate adaptation in 'open sky' schools in India

The state of Maharashtra in India is home to over 15 million farmers and has over 50% cultivable land, but climate change has impacted agriculture productivity in several drought prone districts of the state. To mitigate the adverse impacts of climate change in these drought prone districts, **a \$600 million Maharashtra Project on Climate Resilient Agriculture (PoCRA) supported by the World Bank** was launched. The core objective of the project is to encourage farmers to adopt climate resilient agriculture practices and improve agribusiness opportunities and to help small and marginal farmers increase their income in a sustainable manner. To learn more, click [here](#).

The Win-Win of Forest Protection: Enhancing Lives While Slowing Climate Change

The World Bank's \$3.7 billion portfolio of 102 forest projects supports systemic, transformative engagement in more than 50 countries including Ghana, Indonesia, Lao People's Democratic Republic, Mexico, Mozambique, Nepal, Vietnam and Zambia. From 2016-2020 during the implementation of the World Bank Group's Forest Action Plan, nearly 6 million people benefited from World Bank forest and land management projects, including 1.1 million women and 225,000 Indigenous People. For more information, please click [here](#).



Save the date!

International Meetings of Living Agriculture - November 2021 (dates to come) - Montpellier - France

Co-organized by *Ver de Terre Production* and *Pour une Agriculture du Vivant*, in close collaboration with members of *Cirad*, the 2nd edition of the meetings will highlight the work of the agronomist Lucien Séguy. These meetings will be filmed and broadcast live for free on the YouTube channel so that as many people as possible can learn. For more information, click [here](#) (in French).

The 2nd South American regional meeting of the "4 per 1000" Initiative

which was to take place in Goiânia (Brazil) in June 2020 is postponed in **May / June 2022, still in Goiânia**. For more information, click [here](#).

5th World Congress on Agroforestry: Transitioning to a Viable World - On July 17-20, 2022, in Québec City, Canada.

Agroforestry is an essential component of the needed ecological, energetic, social and economic transition. This critical transition can and must be achieved through a participatory collaboration process that helps building bridges between research, policy decisions and field work.

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

31st International Horticultural Congress - Aug 14-20, 2022 - Angers, France

Organised every four years since 1959 under the auspices of ISHS (International Society for Horticultural Science), the International Horticultural Congress (IHC) is the most important scientific event in the fields related to Horticulture. Its aim is to promote and foster research and education in horticultural science and to facilitate cooperation and knowledge transfer on a global scale through events and publications. Abstract submission is open until Nov. 15, 2021. To learn more, please click [here](#).



Farmers and foresters organisations. They act!

Member of the International "4 per 1000" Initiative, the Argentine Association of Direct Seed Producers (AAPRESID) organized from August 11 to 20, 2021, its 29th "Always Alive, Always Diversified" Congress with online conferences.

Two of its numerous conferences demonstrated that agricultural production and sustainability can achieve great synergy and in particular underlined the importance of increasing carbon stocks in agricultural soils.

Dr Claire Chenu, soil management specialist at INRAE and member of the Scientific and Technical Committee of the International "4 per 1000" Initiative, specified that *"soil organic matter is essential, contributes to food security and supports biodiversity, and contributes to the retention and purification of water. ... Small changes in carbon stocks around the world could have a very large impact and form the basis of the 4 per 1000 Initiative, which promotes storage in soils to contribute to food security."* To learn more, click [here](#).

"Agriculture is the ally of biodiversity"

The congress of the International Union for Conservation of Nature (IUCN) was held from September 3-11 in Marseille (France). On this occasion, Christiane Lambert, President of the National Federation of Farmers' Unions (FNSEA) recalled that *"Agriculture is the ally of biodiversity"*. Christiane Lambert also spoke of the many actions carried out by the agricultural world such as *"Agrifaune"* which reconciles agriculture and wildlife, or the *"Solutions contract"* that the FNSEA created more than 15 years ago and which brings together 44 partners from the agricultural sector. **The "Solutions contract" is a real toolbox for farmers by offering solution sheets on different themes.**

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

Partner of the International "4 per 1000" Initiative, the National Federation for Organic Agriculture (FENAB) is an apolitical, non-denominational and non-profit Senegalese association.

FENAB was created in March 2008, and has 22,000 members across Senegal.

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



Research and training bodies They act!

Countries' commitments to soil organic carbon in Nationally Determined Contributions

Members of the Scientific and Technical Committee of the International "4 per 1000" Initiative, Eva Wollenberg (CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS) and Gund Institute for Environment, University of Vermont), **Beáta Eموke Madari** (Brazilian Agricultural Research Society - Embrapa), **Claire Chenu** (AgroParisTech), published in August 2021, with in particular **Viridiana Alcántara-Shivapatham** (German Federal Office for Agriculture and Food - BLE) and **Sadie Shelton**, (CGIAR Research Program on Climate Change, Agriculture and Food Security (CCAFS) and Gund Institute for Environment, University of Vermont), a research article on " Countries' commitments to soil organic carbon in Nationally Determined Contributions".

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

Storing carbon in French soils. What is the potential in terms of the 4 per 1,000 objective and at what cost?

The "4 per 1000 Initiative: Soils for Food Security and Climate" proposes to increase the carbon stock in all the world's soils by one four-thousandth each year. At the request of the French Environment and Energy Management Agency (Ademe) and the French Ministry of Agriculture and Food, INRA (now [INRAE](#)) conducted a study, focused on metropolitan France, aiming to estimate the carbon storage potential of agricultural and forest soils and, ultimately, to measure the potential contribution of this lever to the objective of reducing net greenhouse gas emissions.

To learn more and download the report of the "4 per 1000 France" study, click [here](#) (in French).

Organic farming: towards a change of scale

How to accompany the change of scale of organic agriculture? How can we move to a 50% or even more organic production in the future? At INRAE, organic farming has long been a subject of research.

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

Research: Gis Sol observes how soils mitigate the effects of climate change

A consortium bringing together scientists and public authorities, [Gis Sol](#), has been building up a gigantic database for twenty years on the nature and quality of French soil. Knowledge necessary to better preserve them and mitigate the effects of climate change. To read the publication of the French Ministry of Agriculture and Food, click [here](#).

To learn more about Gis Sol, click [here](#) (in French).

Created in 2001, Gis Sol brings together the [French Ministry of Agriculture and Food](#), the [French Ministry of Ecological Transition](#), the [National Research Institute for Agriculture, Food and the Environment](#) (INRAE), the [French Ecological Transition Agency](#) (ADEME), the [Research Institute for Development](#) (IRD), the National Institute for Geographic and Forest Information (IGN), the French Biodiversity Office (OFB) and the French Office geological and mining research (BRGM).

Funded by the European Union Horizon 2020, the CIRCASA project ended in February 2021.

To read the summary of the CIRCASA project team's work, click [here](#).

The main outcome of the CIRCASA project is to have initiated the creation of an International Soil Carbon Research Consortium (IRC). An European ORCaSa project (Operationalising International Research Cooperation on Soil Carbon), whose Coordination and Support Action (CSA) will be funded by the European Commission, will be submitted in October 2021 to build on the conclusions of CIRCASA and develop the foreshadowing of the IRC for a launch in 2023.

Soil carbon sequestration a reality without limits

The main research areas of [the Laboratory of Conservation and Dynamics of Volcanic Soils of the University of La Frontera in Chile](#) are related to the understanding of carbon sequestration and microbial interactions in extreme areas.

The laboratory's team studies how microorganisms can tolerate climate change in aerobic and anaerobic environments and their mechanisms of mineral transformation. Much of its work is in pristine ecosystems as a natural laboratory without human influence.

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



Research and training bodies They act!

Making the voices of populations facing climate and environmental change heard with 'ePOP', testimonies to humanize the debate.

The Institute of Research for Development (IRD) and RFI Planète Radio (France Média Monde group) launched [the 'ePOP' \(Petites Ondes Participatives\) project](#) in 2017.

Through very short films made with their smartphones, young people (15-30 years old) from the 5 continents become the spokespersons of the feelings and questions of their community. In a concern for intergenerational dialogue, the word is given especially to the elders, witnesses for many years of global changes.

Since 2017, more than 650 films have been produced, as many testimonies from all over the world expressed in about thirty languages! To learn more, click [here](#).

The new Agropolis International Dossier has just been published!

This 26th Agropolis file "Agroecological transformation for sustainable food systems: focus on France-CGIAR research" is devoted to research and partnerships in agroecology.

Nearly 500 French and foreign scientists and agroecology experts from all CGIAR centers as well as more than 100 universities and national (CIRAD, INRAE, IRD, etc.) and international research organizations to collaborate to produce this publication. The authors thus make their expertise available to policy makers, extension services, NGOs and farmers' associations engaged in promoting agroecological transition.

For more information and to download the dossier, click [here](#).



Civil Society, associations, NGO They act!

Partner of the International "4 per 1000" Initiative, [the Royal Norwegian Society for Development \(Norges Vel\)](#) is an independent nonprofit organisation that aspires to promote thriving local communities where people can reside, work and live their lives.

Internationally its overarching goal is to reduce poverty by supporting local economic growth through business development.

Norges Vel mainly focuses on men and women who make a living through agriculture and marine resources.

In June, Norges Vel hosted a seminar in which Dr Paul Luu, Executive Secretary of the International "4 per 1000" Initiative presented the work and goals of the Initiative.

To see the presentation, click [here](#).

Let's go for agroecology!

Member of the international "4 per 1000" initiative, *Pour une Agriculture du Vivant* has produced with partners [an infographic \(in French\) to explain what agroecology](#) is. This infographic was designed by Camille Cazanave and Benoit Dupré.



Civil Society, associations, NGO They act!

In April 2021, Tse-Xin Organic Agriculture Foundation (TOAF) became a Member of the International "4 per 1000" Initiative. **Based in Taiwan, Tse-Xin Organic Agriculture Foundation is a non-profit organization committed to promoting a healthy environment while improving livelihoods and human well-being.**

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

Documentary 'Living Soil': over 3 million views!

This 60-minute documentary features innovative farmers and soil health experts from across the United States. [The Soil Health Institute](#) offers its documentary in three new languages - French, Spanish and Portuguese. To watch this film for free, it's [here](#). Then, click the settings 'gear' and select the language you want the closed captions to be in. Then ensure the closed captions are on (the CC will be underlined in red).

Green Shoots Foundation is a small charity in the UK running vocational and educational projects in rural Cambodia with a strong focus on youth, rural development and environmental stewardship. One of their projects involves the establishment and running of an AgriTech Centre which functions as a community centre and demonstration and learning site for agroecology based farming practices and includes everything from no-till growing to aquaculture, compost making and chicken raising.

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

Planet A® continues this year its cycle of debates, in digital format, with the common thread "Agriculture, guarantor of the One Health approach".

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

And to watch the debate on June 24 on challenges, innovations and good practices, click [here](#).



Private companies. They act!

[Pernod Ricard supports IUCN's Sustainable Agriculture and Land Health Initiative.](#)

In September 2021, Alexandre Ricard, Chairman and CEO of Pernod Ricard, has announced a new partnership with the International Union for Conservation of Nature (IUCN), and among other things, he stated: *"Biodiversity is an essential element to the equilibrium of these ecosystems. Valuing, protecting and conserving it so that we can pass on healthy terroirs to future generations is therefore not only a moral and civic obligation but also a necessity for the future of our Group ... That is why we are both proud and honoured to be more actively involved alongside the IUCN in order to demonstrate the importance of agriculture that is more respectful of the land and its ecosystems."*

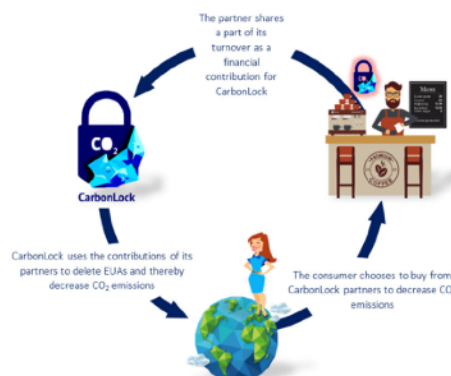
To view the statement by Alexandre Ricard, Chairman and CEO of Pernod Ricard, click [here](#).

Pernod Ricard is a Partner of the international "4 per 1000" Initiative.

CarbonLock is a Swedish startup who recently joined the International "4 per 1000" Initiative.

They enable any business who works with them to play a major role in the low carbon transition.

While the "4 per 1000" Initiative action is targeted towards soil carbon storage, CarbonLock focuses on accelerating the low carbon transition of the industry and limiting the possible emissions. You can read more about what they do on [their website](#) or on [their online stand](#).





Private companies. They act!

"Danone's adventure for regenerative agriculture"

In 2018, Danone made a commitment to source 100% of its agricultural products from regenerative agriculture by 2025. In 3 years, 10 projects have been launched in France, 4 of which were coordinated by 'Pour une Agriculture Du Vivant' and its partners to support the transition of farmers in 4 main types of sectors: dairy farming, fruits, vegetables and cereals, water and sugar beet. To learn more, click [here](#) (in French).

To find out about the projects supported by Danone, click [here](#) (in French).

Supporting the health of agricultural soils, one of Nestlé's priorities in the fight against climate change.

Nestlé makes agroecological transition one of its climate priorities and announces a 50% supply of key raw materials from regenerative agriculture by 2030.

France is a pilot country for the entire Group because of its know-how and excellence in agriculture.

Partner of the International "4 per 1000" Initiative, Nestlé France is currently working with several agricultural cooperatives and traders who are among its most important suppliers. Since 2018, more than a hundred farmers have participated in this program on several pilot farms located in the North and East of France. In 2021, more than 250 additional farmers will participate in training and diagnostic sessions on the fertility (life) of their soils.

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

To watch Nestlé CEO Mark Schneider interview by CNBC's Geoff Cutmore about Nestlé Group's work to support regenerative agriculture and its 2050 net zero roadmap, please click [here](#).

'Soildiag', the app to do your soil analysis using bio-indicator plants

Launched by '[Ver de Terre Production](#)', 'Soildiag' application is based on the work of French botanist Gérard Ducerf. 'Soildiag' makes it possible to identify plants by image recognition, and also makes it possible to carry out soil diagnostics based on the bio-indicator plants found there.

This free download application is an important tool for farmers, agricultural technicians, agronomists or simply curious, and has an educational vocation by offering a detailed sheet for each of the 30,000 referenced plants.

To download 'Soildiag' for free on Google Play Store, click [here](#), and on Apple Store, it's [here](#).



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

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



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

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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:

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To see ...

[Regenerative Agriculture Principles - Barry Fisher](#), USDA-NRCS, Soil Health Specialist, from the 2019 Conservation Tillage and Technology Conference, OH, USA.

[How regenerative farming can help heal the planet and human health | Charles Massy](#)
TEDxCanberra - 13 nov 2018

[Cows, Carbon and Climate | Joel Salatin](#) | TEDxCharlottesville - 14 janv 2016

Joel Salatin, an organic farmer located in the Shenandoah Valley in Virginia, loves his grass - and so do his cows. In this talk Salatin outlines the role that this often unsung hero of the plant world plays in sustainable farming, and the effects that its efficient utilization can have on the world around us.

[Desertification and deserts explained in 20 minutes \(in French\)](#) - French Scientific Committee on Desertification (CSFD)

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



They joined us!

Private funding bodies

Bareboo - Cambodia

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

Farmers & Foresters organisations

Societa agricola Vicara S.R.L - Italy

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

Bajwa Family Ranch - Pakistan

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

Civil society & non-profit organisations

Aliança SIPA - Brazil

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

KRES Network B.V. - Netherlands

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

TMG Research gGmbH - Germany

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

Zero Foodprint Asia - China

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

Private companies

Ambient - Mexico

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

CM Fluids AG - Germany

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

Lich'N - France

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

Regenerative Shift - Etats-Unis

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

Ruuts S.A. - Argentine

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

SAS GreenPods - France

The CarbonCycle Company - Nouvelle Zélande

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

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

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



Any ideas, any suggestions...

For the next newsletter, please send us your information, your events,... **no later than December 10, 2021**. You can send an e-mail to socialmedia.admin@4p1000.org.