



Editorial

#10

November, 2020

Dear Partners and Members,

Since the beginning of the 90's (last century) and even a little before, we have been working towards sustainable development for our human society and for our planet, which has not unlimited resources.

The United Nations Convention for Sustainable Development (UNCSD) has allowed us to reflect on our development while respecting the balance within the triptych: social, environment and economic, with one of the the pillars not having to take precedence over the other. If this awareness, this change in the software of our development is now effective (at least we can hope so), we have to admit, today, that the notion of linear stability over time, generation after generation, implied by the adjective "sustainable", no longer really makes sense.

Around us, the observation of a continuous, almost underhanded degradation of our natural, social and economic environment is now obvious. We must once again change our development model by moving from sustainable development to regenerative development. Indeed, the extractive mode of our production must not only become "cyclic" in the short term, with the indispensable recycling of all our waste, but also regenerative. This is the key word for the years to come: regeneration, i.e. reconstituting all the elements essential to our development: water, biodiversity, air and especially soil, the matrix of life on earth for plants, animals and humans. Our century will have to be regenerative or it will not be!

This is the meaning that we wish to give to our actions within the "4 per 1000" Initiative, by working to regenerate soils to improve their health thanks in particular to the carbon captured in the atmosphere by plants, and returned to soils in the form of plant organic matter or animal origin.

The agroecological movement must accelerate with an increased development of conservation agriculture, organic agriculture, and also, by going further with regenerative agriculture. We can always discuss (or even polemic) on the name of the Initiative or its "objective" of "4 per 1000" per year, talk about sequestration or rather storage of carbon in soils, whether or not to reach the 0.4% annual growth of these carbon stocks depending on agro-pedo-climatic conditions, but the main thing is the dynamic created around the Initiative, the direction taken, the paradigm shift of our agriculture, and above all, the political will to act!

The Initiative wants to be the spur that drives these profound changes through a science-based approach, and, also, the catalyst for individual and collective actions in this direction. It is particularly, the meaning of the Strategy of the Initiative and its implementation which is everyone's business.

In this regard, I must say that we have been impressed in the Executive Secretariat by the number of requests for membership in Task Forces that we have received and continue to receive. It shows your commitment and your willingness to take concrete action for our collective success. The collaborative platform is always open to those who have not yet registered in one or more Task Force(s), the consultation work and the methodology starting very soon.

The 4th day of the "4 per 1000" Initiative will also be an opportunity to take stock of this major project. I remind you that we will hold this "day" online on December 9 and 10 in the form of two sessions:

- A 3 hour session on **Wednesday 9 December 2020 for the Forum of Partners, with a High-Level Segment opening, from 12:00 to 15:00 CET**
- A 2 hour session on **Thursday 10 December 2020 from 12:00 to 14:00 CET, only for Members of the Consortium** to make decisions regarding the operation and actions to be carried out by the Initiative, particularly in 2021.

You will soon receive a link to register, as well as a link to log in when the day comes. We will try to provide simultaneous translation in French, English and Spanish for both sessions.

As you can see, the specific circumstances linked to the Covid-19 pandemic do not alter our determination and our willingness to go on. Only the working methods change temporarily before having the pleasure of meeting you in person again.

We, again and more than ever, need your strong support, because the Executive Secretariat needs human and financial resources to operate and pursue its actions. You can contact Béatrice Breton-Askar (beatrice.breton-askar@4p1000.org) to study the practical modalities of your participation.

This newsletter is yours and your proposals, information, "save-the-date" for your events have their place. Please contact the following address for this purpose: socialmedia.admin@4p1000.org. The same goes for our social networks which are fully open to you: Facebook, Twitter, LinkedIn and our YouTube channel.

I look forward to seeing you at our next "4 per 1000" Day, which will be online, and just as rich as usual.

Dr. Paul LUU, Executive Secretary



Focus on...

The Task-Forces

The Strategic Plan for the "4 per 1000" Initiative includes 6 goals and 24 objectives. A Task Force has been created for each of these 24 objectives.

280 people have signed up for the Task Forces. Each person participates in an average of 2.3 groups (figures as of 23 October 2020).

A letter has been sent to each person registered for the Task Forces. This letter explains the procedure for the elaboration of the implementation strategies:

- Round 1: Answer the questions asked (deadline for receipt of answers November 6). These responses arrive anonymously.
- Round2: Analysis of the different answers to determine the key answers, and sending of the 1st synthesis of all the answers. Objective: to find a qualitative consensus (i.e. the aspects to be taken into account for each issue).
- Round 3: Scoring to identify key responses that have achieved consensus. The classification of activities is important for decision making. This ranking will bring together the opinions of all parties, in order to identify actions and projects that will have a significant impact on the vision of the Initiative.
- Round 4: Reporting and development of the implementation strategy.

Second call of assessment of projects

After the success of the first call in 2019, the "4 per 1000" Initiative and the World Agroforestry (ICRAF) launched the second call for formative assessment of projects in 2020. This original idea aims to bring out field projects in the spirit and framework of the objectives of the "4 per 1000" Initiative, projects to be submitted to the STC evaluation. Projects that receive a positive appraisal will be offered to major international donors who will be able to grasp them and submit them to their own selection criteria for funding.

The call opened on May 15 2020 and closed on July 15, 2020 and 14 projects were received.

- PFA_14_2020_Ecuador_Restorative Forest of Guayraloma
- PFA_15_2020_DRC_Agroforestry
- PFA_16_2020_France_CarbSink
- PFA_17_2020_DRC Conservation and Development Sud Kivu
- PFA_18_2020_Pakistan_Doubling incomes of small farmers
- PFA_19_2020_USA_Grasslands SOC Methodology
- PFA_20_2020_India_Restoration of Soil Fertility
- PFA_21_2020_Mali_ASAPATE
- PFA_22_2020_Germany_Waldgarten_Forest garden
- PFA_23_2020_Philippines_Biodynamic Soil Building
- PFA_24_2020_Iraq_Planting Million Trees
- PFA_25_2020_Senegal_PermaFoodForest
- PFA_26_2020_Mexico_Soil Restoration
- PFA_28_2020_Malagasy_coopérative VALAZOMBY

Review and assessment of the projects will be carried out from August to October 2020 and results will be communicated to project holders end of January 2021.

"4 questions to ..." Stéphane Le Foll

1/ Mr Le Foll, could you introduce yourself in a few words?

Since the municipal elections, I have been re-elected as Mayor of Le Mans and President of Le Mans Metropole, mandates that I carry out with the commitment to prepare the sustainable city of tomorrow.

You know, I have been Minister of Agriculture for 5 years, which is a record of longevity in this Ministry of the French Republic.

My commitment to agriculture has been marked by my desire to defend models of agricultural production in a triptych that takes into account their economic, ecological and social dimensions. This led me to present a law known as the "law of the future" in which I set agroecology as the priority for the French Republic for the next 15 years.

I was also a Member of the European Parliament, Vice-President of the Agricultural Committee in the European Parliament, I negotiated the 2013 CAP (Common Agricultural Policy) reform which is still in force today, so that the aids with 30% of the total amount allocated to the environment are ensured to be green. I extended this European dimension to the International arena, presented it at the OECD Agriculture Summit with Tom Vilsack, Minister of Agriculture of the United States.

Likewise, I have been at the initiative of the agricultural G20 in Turkey, each time, to ensure that agriculture is at the heart of major International debates.

Above all, I spoke on behalf of France at the COP21 in Paris in 2015 about agriculture.

As you know, after the successive failures of previous COPs, this 2015 edition has marked an essential step in the fight against global warming.

2/ As Vice-President of the "4 per 1000" Initiative, what are the main actions you have been taking?

After COP22 in Marrakech, the structure was set up to launch the "4 for 1000" Initiative, based on carbon storage/sequestration in soils, with the constitution of a Consortium and a Scientific & Technical Committee.

On that occasion, we proposed that the presidency would be held by Dr. Mayaki and that, as the initiator of COP21 in Paris, I would become the Vice-President. In this capacity, I participated in three major international events: the Living Soils Symposium in Montreal in 2017; the Global Climate Action Summit in San Francisco, California; and the COP24 in Katowice, Poland.

Each time, the goal was to carry out the message of agriculture and the role of agricultural soils in the fight against global warming.

As Vice-President, I have participated in the decisions and proposals of the Executive Secretariat to define priorities, particularly in the scientific field and the implementation of new proposals likely to bring concrete solutions in our field of action.

I would like to deeply commend the work of the Executive Secretariat.



Photo: DR Ville du Mans

3/ France launched the "4 for 1000" Initiative at COP21 in 2015 when you were Minister of Agriculture, Agri-food and Forestry. What vision did you have for the Initiative when it was introduced? And what is your vision today?

When I launched the "4 per 1000" Initiative in Montpellier in 2015, my vision was, first of all, to consider agriculture not as a problem in the face of global warming, but as a convener of a solution in the mitigation of carbon particles in the atmosphere.

At the time, two lines were opposed: the one of the NGOs which defended peasant and organic agriculture; and the one of the large industrial countries, which was formed around the Netherlands and the United States, with the "smart agriculture" project which first aimed to provide technical solutions to the issues raised by global warming, without reference to the major issues raised by agriculture and agronomy.

It was in this context that I proposed the "4 per 1000" Initiative. It stems from an INRA study in France, showing that agriculture had a potential with soils capable of both producing more, avoiding soil degradation, meeting the food needs of the world and participating in the fight against the greenhouse effect.

Today, undeniable progress has been made in this area. But programs adapted to each ecosystem still need to be validated to be effective and concrete in achieving the objectives.

Today we have an obligation to make this implementation successful in the "4 per 1000" commitment on a global scale.

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

The message I want to convey is, in fact, the same since the creation of "4 per 1000". The relaunch of our initiative is all the more important as it has proven that it can be a real lever at the International scale in the fight against global warming.

This is what I mean to associate members as well as partners. We are masons and have our backs to the wall, we simply must succeed. It is a duty and also an obligation for future generations and all people around the world. All expect clear and representative strategies in each of the entities, to ensure food security for humanity and participate in the economic and territorial balance of each of the areas in each continent.

Finally, it is a way of making the world evolve in a positive way so as to be less dependent on chemistry, more farsighted in the use of natural mechanisms and more resilient to face the challenges that lie ahead.

Save the date!

The next meeting of the Scientific and Technical Committee (STC) of the "4 per 1000" Initiative will be held online on November 17-18, 2020.

"Can albedo change offset the climate benefit of carbon sequestering practices?" - Dec 3-4, 2020 – Montpellier (France)

This workshop is organized by CIRAD and the CLAND Convergence Institute, with the support of the Global Research Alliance on Agricultural Greenhouse Gases and the « 4 per 1000 » Initiative. For more information and to register, click [here](#).

World Soil day, keep soil alive, protect soil biodiversity - 5 December 2020

[On this page, updated regularly](#) until December 2020, FAO provides communication material available to help create a buzz on World Soil Day.

Online 4th "4 per 1000" Initiative Day - 9th - 10th December 2020

The 4th day of the "4 per 1000" Initiative would be held online, in the form of two sessions:

- **The Forum of Partners with a High Level Segment on December 9, 2020 from 12:00 to 15:00 CET**
- **The Consortium of Members on December 10, 2020, from 12:00 to 14:00 CET**, to make decisions regarding the operation and actions to be carried out by the Initiative, particularly in 2021 (session only reserved for Members).

You will soon receive a link to register.



Public funding bodies They act!

"A Sustainable Recovery for People and Planet"

How can the world recover from the coronavirus pandemic while also addressing climate change and biodiversity loss? This is the question that has been tackled by policymakers, young leaders, civil society organizations and global experts gathered for a virtual conference organized on October 14, as part of the Annual Meetings of the World Bank and the IMF, with its theme of a resilient recovery from the pandemic.

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

In its "AFD Atlas of Africa" published at the end of August 2020, the French Development Agency (AFD) questions the current dynamics on the continent. To learn more click [here](#) (in French).



Governments and local authorities They act!

[The Norwegian Ministry of Agriculture and Food](#) has joined the "4 per 1000" Initiative as a Member of the Consortium.

"Carbon mitigation potential and radiative agricultural land management" Study of European Soil Data Centre (ESDAC)

To reach the Paris climate targets, the mitigation capacity needs to be maximized across all components of the Earth system, especially land. Mitigation actions through land management, such as cover crops in agricultural soils, are often evaluated in terms of their carbon sequestration potential, while radiative forcing related to surface albedo changes is often ignored. The aim of this study was to assess the mitigation potential of cover crops, both as changes in biogenic greenhouse gas fluxes (CO₂ and N₂O) and albedo-driven radiative forcing at the top of the atmosphere. To achieve this, we have integrated a biogeochemistry model framework running on approximately 8,000 locations across the European Union with detailed soil data, supplemented with time series of albedo measurements derived from satellite remote sensing.

The European Commission is neither a Member nor a Partner of the "4 per 1000" Initiative.

Sustainable soil management within the European Green Deal

The new European Green Deal has the ambition to make the European Union the first climate-neutral continent by 2050. The European Commission presented an ambitious package of measures within the Biodiversity Strategy 2030, the Farm to Fork and the European Climate Law including actions to protect soils. To learn more, click [here](#).

The European Union is neither a Member nor a Partner of the "4 per 1000" Initiative.

Save the date!

3rd Sustainable Food Meetings - What food systems in the face of crises? - 100% online event, from January 21 to March 2021.

The Daniel and Nina Carasso Foundation and its partners invite you to a series of conferences, round tables and participatory workshops. To learn more, click [here](#).

The IUCN World Conservation Congress postponed which was to be held in January 2021 in Marseille (France) was postponed. New dates for the event will be announced in due course. For more information, click [here](#).

Global Symposium on soil Biodiversity "Keep soil alive, protect soil biodiversity" (GSOBI), will take place from 2 - 4 February, 2021 - FAO HQ, Rome, Italy

This [Symposium](#) is jointly organized by the UN FAO and its Global Soil Partnership (GSP), the Intergovernmental Technical Panel on Soils (ITPS), together with the UN Convention on Biological Diversity (UNCBD) and the Global Soil Biodiversity Initiative (GSBI). Registration to the symposium is free of charge [here](#).

1st Latin America and Caribbean Regional Symposium (LAC) from May 12 to 14, 2021 - Goiânia (Brazil)

The "4 per 1000 Initiative : Soils for Food Security and Climate", the Brazilian Agricultural Research Corporation (Embrapa), together with other local partners, invite you to participate in the 1st Latin America and Caribbean Regional Symposium (LAC). This two-days conference is hosted by the Federação de Agricultura e Pecuária do Estado de Goiás.

Stakeholders representing the diversity of agricultural production systems and concepts in LAC region - small to large industrial scale production farms, farmers and farmers' organizations, policy makers, researchers, related industries, multi and bilateral funders... are welcome. More information [here](#).



International organisations They act!

["GSOC MRV Protocol: A protocol for measurement, monitoring, reporting and verification of soil organic carbon in agricultural landscapes"](#). This important document was produced by the Global Soil Partnership (FAO, Member and representative of the Bureau of the "4 per 1000" Initiative), with the contribution of the Scientific and Technical Committee of the "4 per 1000" Initiative.

A [CGIAR](#) project undertaken through [World Agroforestry centre](#) and the CGIAR Research Program on Water, Land and Ecosystems ([WLE](#)) is championing healthy soils and ecosystems through data to help Chad move closer to achieving its 2030 commitment to restore its land. For more information, please click [here](#).



Farmers and foresters organisations They act!

In September, [APAD](#) organized an interactive webinar to highlight the "Au Cœur des Sols" label. During the [webinar](#), participants had the opportunity to answer questions to understand the actions of APAD, the issues of Soil Conservation Agriculture and especially all about the "Au Cœur des Sols" label.

To view the Frequently Asked Questions completed with APAD responses, click [here](#) (in French).

[The Organic and Regenerative Investment Co-operative \(ORICoop\)](#) exists to increase the productivity and profitability of organically and regeneratively managed land in Australia, while supporting farmers to be better land stewards of the ecological farming systems.

ORICoop announces the creation of Eco-Credits™, so conscious businesses and individuals can offset their carbon footprint, with direct, measurable and tangible outcomes. Eco-Credits™ are deployed to selected organic farmers who commit Eco-Credits™ to their farmland. These credits are independently and annually verified using the latest technology and measurement parameters.

Each business receives a report provided by the collective of farm contributors each year – detailing what the Eco-Credit™ collective outcome has achieved in terms of carbon offset and ecological health.

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

'Plante Chuva' is a Brazilian cooperative for climatic and environmental regeneration, based on syntropic agricultural production, family farming, the promotion of machinery and other modern technologies, and the holding and verticalization of the productive arrangement. To learn more, click [here](#).

Save the date!

The UN Biodiversity Conference (COP 15), which was to be held in October in China, has been **rescheduled for May 17 to 30, 2021**. For more information, click [here](#).

The 5th European Agroforestry Conference will be held in Nuoro (Sardinia) from 17th to 19th May 2021. For more information, please click [here](#).

The Soil at Risk symposium on 30.6.2021 in Helsinki (Finland) will bring together a wide variety of research and practical information on protecting agricultural soil. The symposium invites researchers, farmers, businesses and decision-makers to answer vital questions together: How do we safeguard the soil for future generations? What kind of cultivation practices for soil regeneration are needed? To learn more and to register, please click [here](#).

Global Symposium on Salt-Affected Soils - September 13 to 16, 2021 Tashkent (Uzbekistan).
FAO, the Global Soil Partnership and its Intergovernmental Technical Panel on Soils (ITPS) together with the Republic of Uzbekistan, will be organizing the Global Symposium on Salt-Affected Soils. More information [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](#).

'Pour une Agriculture du Vivant' regularly organizes training in France. More information [here](#).

More events [here](#)



**Farmers and foresters organisations
They act!**

Ecological Food Caterpillars Company (EFCC) is the result of a multidisciplinary team of five young changemakers: Veronique Bulaya, Trésor Badisungu, Gabriella Sakina, Josué Aruna and Innocent Ombeni. This team works in close collaboration to improve the availability and accessibility of ecologically produced edible caterpillars, preserved and sold in order to fight malnutrition in rural households, and increase the socio-economic conditions of young and indigenous women in the Mwenga territory in South Kivu province in the east of the Democratic Republic of Congo.

The Ecological Food Caterpillars Company (EFCC) team



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

535 Partners and Members! (October 2020)

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](#)



Research and training bodies They act!

"Soil carbon in Africa: impacts of land uses and agricultural practices" - Tiphaine Chevallier, Tantely M. Razafimbelo, Lydie Chapuis-Lardy, Michel Brossard - October 2020. This book is a contribution of the [Soil Carbon Network for Agriculture in Africa \(CaSA\)](#) at the Koronivia Joint Action for Agriculture.

This book co-edited by [IRD](#) and [FAO](#) can be downloaded free of charge by clicking [on this link](#) (in French).

Carbocert Guide to Good Agricultural Practices "Carbon sequestration and soil improvement in Mediterranean agricultural crops".

The purpose of this Guide is to offer with simplicity and clarity a series of agricultural managements, in six reference crops of the Mediterranean contour (wheat, olive, vine, citrus, almond tree and rice), which have scientifically proven their effectiveness not only in the increase of carbon sequestration in soils and in perennial structures, but also in matters of improving biodiversity, water retention, etc.

This Guide is part of the work carried out by the [CARBOCERT Operational Group](#), of which [IRTA](#) is a member.

To learn more and download the guide for free (in Spanish), please click [here](#).

CIRCASA project: Towards an International Research Consortium on soil carbon sequestration.

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

The CIRCASA project team is working so in the future, all farmers have the right tools to participate in climate change mitigation and adaptation by taking care of their soil health.

Find out more [here](#).





Civil Society, associations, NGO They act!

The solution is right under our feet! And to cure our planet we need to cure our soil.

"Kiss the Ground", narrated by Woody Harrelson and directed by Rebecca and Josh Tickell, is a full of hope movie offered by the NGO Kiss The Ground, member of the "4 per 1000" Initiative.

Since September 22, this warmly welcome documentary is available worldwide to stream on Netflix.

To watch and support the film click [here](#).

As of October 21, Kiss the Ground Movie is now available on Vimeo for \$1 via [this link](#).

10 Ways to Love the Soil by Kiss The Ground

Whether you decide to grow a plant for the first time, advocate for The Soil Story Curriculum at your children's school, start composting, or are ready to become an official Soil Advocate, join Kiss The Ground in showing a little love for the miraculous superhero beneath our feet every day! For more information, please click [here](#).

WBCSD supports the development of landmark SDG report focused on US Agriculture

U.S. Farmers & Ranchers in Action, together with [WBCSD](#), published a new Sustainable Development Goals (SDG) Roadmap report to providing an initial mapping of U.S. agriculture's performance against the SDGs and identifies how the U.S. agriculture sector can continue to build greater resiliency while delivering business value through addressing risks and opening up new growth markets. This long-term vision is even more necessary to address the enduring impacts from COVID-19 and social disruption related to inequity and inequality. For more information, click [here](#).

In the Sahara Desert the combination of agroforestry and biochar is proving that it can foster the development of oases. Click [here](#) to get the [Pro-Natura International](#) information about it.

[Planet A](#) organizes a Cycle of debates, "#AgriTalks by planet A®", introduced by Mr. Emmanuel Macron, President of the French Republic.

The 1st debate "Interdependence and the struggle of powers: What solutions to protect and strengthen food sovereignty in Europe?" takes place online on October 16, 2020.

To watch the 1st debate in replay, click [here](#).

To find out more and register for the 2nd session on November 5, 2020, click [here](#).

[Agrisud International](#) has published the 2020 edition of the guide "Agroecology best practices": for resilient and efficient agricultural systems which updates the first edition published in 2010.

Agroecology is a set of agricultural models whose principles and practices can create resilient systems, reducing the vulnerability of populations and enhancing local production.

The guide "*Agroecology best practices*", published by Agrisud, provides the knowledge for the implementation of these systems.

To learn more and download the guide for free, please click [here](#).

African Innovation Services (AFRIS) is accompanying the "4 per 1000" Initiative in the development of its collaborative platform.

Based in Benin, [AFRIS](#) is an association of diverse stakeholders in rural development who acknowledge the need for an independent and impartial mechanism for improved inter-institutional collaboration in order to reach development goals.

AFRIS provides a well-developed and practical toolkit for improved collaboration for people and organisations who engage in development. To learn more, please click [here](#).



Private companies They act!

InnovaFeed is a French biotech company that commercializes a new source of protein from the breeding of insects (*Hermetia illucens*) for animal feed and aquaculture in particular. InnovaFeed opened in Nesle (France), in September, the largest insect breeding unit in the world. The industrial symbiosis complete with the two local partners, TEREOS and AKUO, saves 57,000 t CO₂/year. It is a zero waste industry, since insect excrements (frass) are marketed as organic fertilizer in partnership with **Italpollina**, a member of the "4 per 1000" Initiative. Indeed, frass promotes the soil microbiome development and carbon storage.

Agtech startup Ynsect extends its Series C to \$372 million to improve global food security and sustainability with the first carbon negative and largest vertical farm in the world. Created in 2011, **Ynsect** is a French Next 40 company, a world leader in the breeding of insects and their transformation into premium ingredients for animal and plant nutrition.

Launch of a Livelihoods project in Rwanda: Agroforestry at scale for soil, water, food

With 82% of Rwandan population living in rural areas, can agroforestry be part of the solution to couple land restoration and sustainable income?

By investing in a large-scale agroforestry project in Rulindo (Northern Province) and Bugesera (Eastern Province of Rwanda) districts, Livelihoods' bet is yes.

The project will plant 3.7 million trees and train 30, 000 farmers to sustainable agriculture. Implemented by local NGO ARCOS (Albertine Rift Conservation Society) and with the support of local authorities to ensure its long-term success, the project will sequester more than 2.2 million tons of CO₂ over 20 years.

Greenback, agency rating the environmental health of soils, created the first tool to measure the impact of agricultural practices on the ecological health of soils to improve their condition, yield and resistance to risks.

For the first time since its launch in 2011, **Livelihoods tells its own story.**

Written as a sincere testimony by Bernard Giraud, President & Co-Founder of the Livelihoods Funds, "THE HANDS RESTORING THE EARTH" retraces the challenges, successes and key learnings from both private companies committed to fighting against global warming and rural communities, who act daily on the ground, to restore natural ecosystems, reinvent a sustainable agriculture. To order the book, click [here](#).

Ver de terre production has launched a crowdfunding campaign to complete the development of a FOOD SCANNER.

This open source tool will make it possible to measure plant health thanks to the redox pH, but also its mineral deficiencies thanks to a complete foliar analysis.

Thus, thanks to this infrared scanner, it will be possible to have a complete overview of the behavior of the plant at very low cost and instantly. To find out more and support the project, click [here](#).



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

Activities related to the "4 per 1000" Initiative

"Regenerative Agriculture and the Soil Carbon Solution", the newest [Rodale Institute](#) white paper explores regenerative agriculture's capacity to remove carbon dioxide from the atmosphere in a practical and cost-effective way, all while addressing our planetary water crisis, extreme poverty and food insecurity, protecting and enhancing the environment, and revitalizing food. Building off the 2014 white paper, the Rodale Institute concludes that regenerative agriculture is a win-win-win climate solution that's ready for widescale implementation now.

To download the "Regenerative Agriculture and the Soil Carbon Solution", please click [here](#).

The [agriDées](#) think tank, a laboratory of ideas for the agricultural, agro-food and agro-industrial sectors, proposed on September 29, a Conference-Debate "Agricultural business and climate challenge", with in particular Paul Luu, Executive Secretary of the "4 per 1000" Initiative, François Mandin (APAD), and Stéphane Le Foll, Vice-President of the "4 per 1000" Initiative.

To watch (in French) Round Table 1: "What contributions / adaptations of the agricultural company to the climate challenge?", click [here](#).

To watch the full conference debate (in French), please click [here](#).

[New paper published linking Drawdown's 'system of solutions' to the Sustainable Development Goals](#) - Chad Jonathan Frischmann, Mamta Mehra, Ryan Allard, Kevin Bayuk, João Pedro Gouveia, Miranda R. Gorman - September, 2020



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!

Launch of the YouTube channel: 4p1000 Initiative

You have participated, as a partner of the Forum, in the Days of the "4 per 1000" Initiative for the past 3 years, you can find your video presentations on the YouTube channel 4p1000 Initiative.

To subscribe and discover all the videos of our past and future events, click [here](#).

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YouTube : [4p1000 Initiative](#)

www.youtube.com/channel/UCvBmNtaHxi3PcvbUkkL_UQg

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



TEDx

['Countdown' is a global initiative to accelerate solutions to the climate crisis](#). The goal: to build a better future by cutting greenhouse gas emissions in half by 2030. Watch the talks, interviews and performances from the **Countdown Global Launch**, a virtual event featuring five curated sessions packed with more than 50 speakers, activists, actors and musicians, who share actionable and science-backed ideas, paired with moments of wonder, inspiration and optimism. Presented by TED and Future Stewards, October 10, 2020.

["The global movement to restore nature's biodiversity" - Thomas Crowther](#) - TED – October, 2020

Biodiversity is the key to life on Earth and reviving our damaged planet, shares ecologist Thomas Crowther in his recent TED Talk. Sharing the inside story of his headline-making research on reforestation, which led to the UN's viral Trillion Trees Campaign, Crowther introduces Restor: an expansive, informative platform built to enable anyone, anywhere to help restore the biodiversity of Earth's ecosystems.

["How regenerative farming can help heal the planet and human health" - Charles Massy](#) - TEDxCanberra - November, 2018.

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



We are all concerned!

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

[Join the Initiative!](#)

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

Any ideas, any suggestions...

For the next newsletter, please send us your information, your events,... **no later than January 15, 2020**. You can send an e-mail to socialmedia.admin@4p1000.org.



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