

### **Editorial**

#23
January 2024

Dear Partners and Members.

First, allow me, on behalf of the entire team at the Executive Secretariat, to extend our very best wishes to you, your loved ones, and the soil of our planet.

As we continue to implement our 2050 Strategic Plan, let's look back at 2023. 2023 was a rich and busy year, with no fewer than 3 regional meetings on 3 different continents, an active Scientific and Technical Committee in terms of publications (articles, 'carbon Info note n°3', etc.), the organisation of webinars (online on our "4 per 1000" YouTube channel). It was also agreed that the "4 per 1000" Scientific and Technical Committee would act as the interim Scientific Committee for the IRC (Soil Carbon International Research Consortium, led by INRAE), which was set up last November (page 11). Tangible progress has also been made on many of the objectives set out in the Strategic Plan, with contributions from the Executive Secretariat and numerous Partners, notably within the framework of certain Task Forces. It has been a year in which we have had no respite because climate change is not leaving us any of it, as we have all seen.



2023 was also the year of the COP 28, which will live long in our memories, with negotiations that clearly recognised agriculture and food systems as a major instrument in the fight against climate change (even if they are mainly discussed in the "adaptation" chapter), as if to echo the important event at the start of the COP, the publication of the COP 28 declaration in the United Arab Emirates on sustainable Agriculture, resilient Food Systems and Climate Action signed by 159 countries (to date), which for the first time finally mentions the importance of Soils and Soil Health. And finally, on 10 December, during the day devoted to Agriculture, the presentation of the FAO's Roadmap for achieving the Goal of "Zero Hunger in the World" without exceeding +1.5°C of global warming, in accordance with the Paris Agreement (page 15). Many positive points and advances on our subjects during this COP 28, not to mention the many (10) side-events in which we participated, co-organised or organised (page 5), all of which we will detail in the forthcoming 'carbon info note n°4'.

2024 will probably see fewer regional meetings (perhaps the Mediterranean and/or Latin America) and following the departure of two members of the Scientific and Technical Committee (STC), a Call for Candidates will be launched in the coming weeks. Please pay close attention to this call if you yourself are a scientist interested in becoming a member of the STC, or if you know a colleague who might be interested. Part of the Board will also have to be renewed, and once again there will be a Call for Candidates in some stakeholder groups ('Collèges' in French) of the Consortium of Members (Countries and NGOs in particular). There will undoubtedly be many conferences, symposia, and meetings on subjects of interest to the Initiative that we will relay or in which we will participate, or even organise.

Before concluding this editorial, with a Call for Support that is unfortunately becoming a ritual, but which is even more important this year as we currently have just enough funding to operate for half a year, I would like to pay tribute to a man who has done a great deal for international winegrowing and who left at the end of 2023. He has been the Director of the International Organisation of Vine and Wine (OIV), my friend Pau Roca, who will be sorely missed. We send our sincere and heartfelt condolences to his family and friends.

On another note, the international "4 per 1000" Initiative is delighted to have a new incoming Vice-President, Ms. Ercilia Sahores. Director of Regeneration International and of Mexican nationality, Ms. Sahores was appointed by the Consortium of Members during the "4 per 1000" Day in Dubai, replacing Ms. Gabrielle Bastien. We would like to extend our warmest thanks to Ms. Bastien for her 3 years as Vice-Chairman, during which she chaired numerous meetings with dignity and professionalism, adding her personal touch that was much appreciated by all.

I hope you enjoy reading this newsletter and wish you all the best for 2024.

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

### Dr. Paul LUU

Executive Secretary of the international "4 per 1000" Initiative





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### We are all concerned!

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

### Join the Initiative!

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

### 6 December 2023

# 7<sup>th</sup> Day of the international "4 per 1000" Initiative





Let's put
Soil Health
higher
on the
international
Agenda
&
Act together
now!

The 7th international "4 per 1000" Initiative Day was held on December 6, 2023 in Dubai on the sidelines of COP28, in a hybrid version (face to face and online).

This event is divided into 2 parts, the Forum of Partners and the Consortium of Members.

The Forum of Partners was opened by a High Level Segment chaired by Ms. Gabrielle Bastien, Vice-President of the international "4 per 1000" Initiative, Founder of Regeneration Canada. Its theme was "Let's put Soil Health higher ont the international Agenda and Act together now!".

**Mr. John D. Liu**, Ambassador of the **CommonLand Foundation**, a global movement to restore degraded ecosystems, based in Amsterdam (Netherlands), he gave an inspirational presentation (pictured right).



Numerous personalities representing "4 per 1000" partner structures (countries or regions, international organizations, agricultural producers' organizations, NGOs, research centers, companies, etc.) presented their point of view as well as the actions they are and will be deploying in this regard. At the end of the morning, the annual activity report of the international "4 per 1000" Initiative was presented by **Paul Luu, Executive Secretary**.

In the afternoon, the Consortium of Members held its meeting, for the presentation and adoption of the roadmap and the 2024 budget.

All presentations and documents relating to the 7th Day of the international "4 per 1000" Initiative are available by clicking <a href="here">here</a>.

Videos of the High-Level Segment, Forum of Partners and Consortium of Members are available here.





### Healthy soils for carbon-neutral food systems

Experts from CIRAD, IRD and the "4 per 1000" international initiative have issued a reminder of the vital importance of healthy soils in ensuring that food systems meet the target of zero net CO2 emissions. For the UNFCCC COP28, they maked a series of recommendations in a policy brief intended for policymakers.







### Soil Carbon Note #3: Policy brief to prepare for COP28

Healthy soils with high organic carbon levels are key for (agro-) ecosystem resilience towards climate change and related extreme weather events. In the context of UNFCCC COP28, the Scientific and Technical Committee of the international "4 per 1000" Initiative called out to enable and support the transition to climate-resilient agricultural systems, with healthy soil as a basis, underpinning planetary and human health. To read the note, click on this link.



The Scientific and Technical Committee (STC) of the international "4 per 1000" Initiative convened for its 16th meeting in Dubai on the 4th and 7th of December 2023 on the sidelines of COP2.

Following two technical sessions around recent debates, STC members elaborated their work programme for the first semester 2024 and kick-started several scientific publications to be championed by different STC members.



After the huge success of the first three editions, the Scientific and Technical Committee (STC) will continue the *Soil Carbon Sciences Webinar Series* in 2024.

The STC of the international "4 per 1000" Initiative launched this series on September 7, 2023, with the webinar "Is there a limit to soil organic carbon sequestration?".

The second seminar on October 17, 2023 had the theme: "Soil Inorganic Carbon: Unveiling its Role in Global Carbon Cycle".

The last online seminar taked place on November 27, 2023 on the theme: "Measuring, Reporting and Verifying Soil Carbon Sequestration: Measurement or Modeling?".

Also **the fellowship programme** will continue, giving young research fellows the opportunity to contribute to high-level publications in collaboration with the STC.

The STC and the international "4 per 1000" Initiative would like to express their sincere appreciation to Dr. Cornelia Rumpel and Dr. Yasuhito Shirato, as they completed their very active mandates at the end of 2023. A call for candidates will be published early 2024.

As of 2024, the Scientific and Technical Committee of the international "4 per 1000" Initiative will take up its mandate as the interim Scientific Committee of the Soil Carbon International Research Consortium (IRC, find out more page 11).

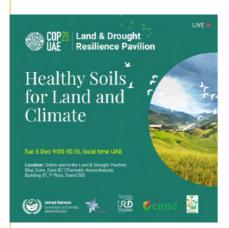
The first meeting took place back-to-back with the 16th STC meeting in Dubai and was a successful start to what will hopefully be a very fruitful cooperation, strengthening international collaboration in Soil Carbon Sciences."





COP28 was held in Dubai (United Arab Emirates) from November 30 to December 13, 2023.

The international "4 per 1000" Initiative participated in 10 side events between December 5 and 10, including 8 organized or co-organized by its Executive Secretariat.



## "Healthy Soils for Land and Climate" - 5 December 2023 - UNCCD COP28 Land and Drought Pavilion

This event was co-organized by Jean Luc Chotte - IRD, the United Nations Convention to Combat Desertification, the French Scientific Committee on Desertification (CSFD), CIRAD and the international "4 per 1000" Initiative.

Two questions were raised during the event:

- How do you feel healthy soils could contribute to achieving Land Degradation Neutrality and climate neutrality?
- How could we fill the nature-based solutions for DRR knowledge gap to support policymakers in their efforts to incentivize sustainable land management, making healthy soils a resilience enhancer to reduce the impacts of hazards and to better adapt?

With Jean-Luc Chotte, IRD and Baron Orr, UNCCD as moderators and:

- Jérôme Tondoh, Chairman of the Scientific Advisory Board of the "Abidjan Legacy Program", Associate Professor of Ecology and Sustainable Land Management at Nangui Abrogoua University, Ivory Coast
- · Ndeye Hélène Diallo-Diagne, soil scientist at the Institut sénégalais de recherche agricole in Senegal
- · Nabil Ben Khatra, xecutive Secretary, Observatoire du Sahara et du Sahel (OSS), Tunisia
- · Oscar Ortiz, Director General, Cropping Systems, CGIAR
- · Mamadou Baro, Director and Professor, Office of Applied Anthropological Research, University of Arizona, USA
- Mabel Nechia Wantim, PhD student and coordinator of "Disaster Risk Management Cameroon, University of Buea", Cameroon et Irungu Mary Munyutha Pelum, Policy and Advocacy Programme Officer, Kenya.

To view this event, click here.



"The need for MRV [Monitoring, Reporting & Verification] tools for Policy makers, Farmers, Businesses and Civil Society to assess value chains and report to consumers" - 5 December 2023 - Save Soil Pavilion (Blue Zone)

This event was organized by the international "4 per 1000" Initiative.

Measuring and validating farmland and soil health is not an easy processfor all stakeholdersfrom farm to fork. Policy makers have to get access to reliable data to determine their policy orientations, farmers need to have access to affordable and reliable information to confirm or change their technical choices in the fields, investorsand businesses have to report on their impacts (value chains and own processes) in terms of emissions and storage (not talking about carbon credit

buyers) and civil society, including consumers, must be provided with reliable and regular information to guide their lifestyle choices. All stakeholders have interests in MRV tools, reliableandat an accessible cost.

With Dr Paul Luu, Moderator, Executive Secretary of the international "4 per 1000" Initiative and:

- Dr Beverley Henry and Dr. Budiman Minasny, Co-Chair and Member of the Scientific and Technical Committee of the international "4 per 1000" Initiative
- Mr. R.K. Warrier, Programme Director & Regional Director, BAIF Development Research Foundation
- · Ms. Sandrine Sommer, Chief sustainability officer, Moët Hennessy
- · Mr. John Mullins, Executive Chairman, Amarenco
- Mrs. Adrienne de Malleray, Co-founder, Genesis
- · Mr. Bradford M. Willis, Soil in Formation
- · Dr. JK Ladha, Digital Green
- and Dr. Ananya Rao, UNESCO and Heartfulness Institute, to conclude and wrap up the side-event.

5

To view this event, please click here.











"Soil carbon and small holder possibilities, maximizing community driven solutions and minimizing damage" - 5 décembre 2023 à 11h - Sri Lanka Pavilion

This event was co-organized by the international "4 for 1000" Initiative, LOAM and FIAN Sri Lanka.

Improving soil health in agriculture can provide concrete solutions to the challenges posed by climate change, food insecurity and poverty. To improve soil health, a change of mind-set, knowledge and practices is crucial. Nevertheless, access to scientific and traditional knowledge, as well as to adapted machinery and environmentally friendly inputs is often limited in smallholder settings. An enabling environment at a political level, which recognizes the possibilities and needs of small-holder producers as well as the effective organization of small holders to share efforts and exchange knowledge is crucial to turn the cards.

With Dr. Claudia Schepp, moderator, international "4 per 1000" Initiative and:

- Dr. Adesola Olaleye, Member of the Scientific and Technical Committee, international "4 per 1000" Initiative
- Dr. Paul Luu, Executive Secretary of the international "4 per 1000" Initiative
- Dr Lydie-Stella Koutika, Member of the Scientific and Technical Committee, international "4 per 1000" Initiative
- · Mr. Thilak Kariyawasam, CEO, FIAN Sri Lanka
- · Mr. Leel Randeni, Director of Climate Change, Ministry of Environment, Sri Lanka
- · Mr. Anirudh Keny, Director of Business Development, Boomitra
- Dr Jagdish Kumar Ladha, representing Digital Green
- Dr. Farshad Amiraslani, Member of the Scientific and Technical Committee, international "4 per 1000" Initiative.







"Common Ground: Soil Health for Nature, People, and Climate" - CA4SH Side-event - 5 December 2023 - Food Systems Pavilion (Blue Zone)

The event aimed to delve into the fundamental importance of soil health as backbone for resilient food systems as well as climate and nature action. It brought together diverse stakeholders from science, policy, development, conservation, and the private sector. It aimed to inspire and mobilise participants to champion soil-centric approaches, policies, and collection action. Key themes:

- 1. Identify the specific call to action and suggested commitments from each institutional and thematic perspective to scale soil health
- 2. Understand the Soil-Climate-Nature-Food Nexus, highlighting the multiple benefits of soil health: mitigate and adapt to climate change, restore biodiversity, improve water resilience, enhance food security, and protect natural and cultural heritage
- 3. Highlight stories for on-the-ground scaling of healthy soil practices
- 4. Examine the role of policy frameworks and an enabling environment in promoting sustainable soil management, climate-resilient agriculture, and soil-centric agricultural policies.

With Dr. Leigh Winowiecki, moderator, Global Research Lead for Soil and Land Health, CIFOR-ICRAF, Co-lead of CA4SH and:

- Ms. Eliane Ubalijoro, PhD, CEO, CIFOR-ICRAF
- Ms. Elizabeth Nsimbanda, President, Eastern Africa Farmers Federation (EAFF)
- Mr. Roland van der Vorst, Head of Innovation Rabobank & CEO Rabo Carbon Bank
- Ms. Genna Tesdall, Director, Young Professionals for Agricultural Development (YPARD)
- Dr. Paul Luu, Executive Secretary, international "4 per 1000" Initiative
- · Ms. Erica Johnson, Sustainability Affairs Officer, Agreena
- Mr. Nikita Eriksen-Hamel, Deputy Director, Agriculture and Food Systems, Global Affairs Canada
- Ms. Martina Fleckenstein, Global Policy Director, Food, WWF International
- Mr. Naoufal Mahdar, Vice President, Climate Action & Decarbonization, OCP Group.

To view this event, please click here.







"How to help farmers contribute to climate change through Soil health regeneration?" - 5 December 2023 Side-event organized by the international "4 per 1000" Initiative - IICA Pavilion (Blue Zone)

Since COP 21, agriculture, thanks to soil, has become an important part of the solutions to climate change. Regenerating soil health through appropriate practices (agroecology), is key to support farmers in this way. Thanks to testimonies of scientist, representative of farmers, start-up manager and agri-food company representative, panel has reviewed respective contributions of these players not climate change mitigation, and how farmers, who are the ones doing the job in the fields, can be supported to implement the difficult work of storing carbon in soil.

With Dr. Paul LUU, international "4 per 1000 » Initiative, moderator and:

- · Dr. Beata MADARI, EmBrapa
- · Ms. Gabrielle BASTIEN, Regeneration Canada voice of farmers
- · Ms. Adrienne de MALLERAY, GENESIS
- · Ms. Sandrine SOMMER, Moët-Hennessy.

To view this event, please click here.











"Soil Health : the champion to sustain inclusive development" 8 December 23 - French Pavilion (Blue zone)

The event co-organized by the IRD, Cirad and the international "4 per 1000" Initiative, made it possible to share points of view and feedback from different actors around the improvement of soil health, with a dual objective of increasing agricultural productivity and capacities carbon sequestration in soils.

This event directly addressed the issues of "climate", "biodiversity" and "food security", issues which are intrinsically linked. This event was based on a policy brief written and shared ahead of COP28 by the co-organizers.

With Dr. Paul LUU, Executive Secretary of the international "4 per 1000" Initiative as moderator of the round table, in the presence of:

- Dr. Ndeye Hélène DIALLO DIAGNE, Senegalese Institute of Agricultural Research, Member of the Bureau of the international "4 per 1000" Initiative
- · Mr. Oliver OLIVEROS, Agroecology Coalition
- Dr. Ebagnerin Jérôme Tondoh, Nangui Abrogoua University
- Dr. Isabel Drigo, IMAFLORA ((Institute of Agricultural and Forest Management and Certification)
   Summary of key messages and complements:
- Dr. Jean-Luc CHOTTE, IRD
- · Dr. Vincent BLANFORD, CIRAD.

To view this event, click here.







«"Easing Carbon Market access for Farmers" - 8 December 2023
Side event organized by Save Soil and moderated by the international "4 per 1000" Initiative. Save Soil Pavilion (Blue Zone)

It's not a secret that accessing carbon markets is challenging for many farmers. The existing paradigm requires highly skilled individuals to support developing, registering, validating and auditing a project. What is the true cost for farmers in engaging in these services, how sustainable are they and what could alternatives be?

With Dr. Claudia Schepp, Moderator, Executive Secretariat of the international "4 per 1000" Initiative and:

- · Mr. Josh Knauer, co-founder of ReSeed and a former Obama administration advisor on science and technology
- Mr. Sai Kishore Nellore, Climate Action Manager at Olam Agri & Olam Group.

During the event, Josh Knauer gave insights into their standards, and how ReSeed remunerates farmers already after the first year in order to help them finance the transition, this does not only include carbon sequestration but also the safeguarding of carbon in the soil. Both speakers stressed the importance of transparency and of enabling carbon trading of soil carbon credits between countries (related to Article 6). Both also stressed the importance of farmers being the main beneficiaries of carbon credits and the need for the consideration of co-benefits in payment.

To view this event, click here.











"Healthy soils : game changers to meet food and climate goals within planetary boundaries" - 8 December 2023 - UNFCCC (Blue Zone)

This event was co-organized by the international "4 per 1000" Initiative, CIRAD and IRD.

Healthier soils are paramount to healthy ecosystems. They allow for better productivity, improved food quality and higher carbon sequestration. Multiple stakeholders shared their vision on pathways to healthier soils to achieve food and climate goals, in diverse socio-economic contexts.



With Dr. Jean Luc CHOTTE, IRD, moderator and:

- Dr. Ndeye Hélène Diallo Diagne, Soil scientist, Senegalese Agricultural Research Institute
- Dr. Kirit Shelat, Executive Chairman-NCCSD (National Council for Climate Change, Sustainable, India
- Dr. Ebagnerin Jérôme Tondoh, President of the scientific council of the "Abidjan Heritage Program", associate professor in Ecology and Sustainable Land Management at Nangui Abrogoua University in Ivory Coast
- Dr. Kapildev Bahl, Expert, The Seaweed Initiative, Indian Center for Climate and Social Impact Research
- Dr. Marie Hrabanski, researcher in political sociology at CIRAD
- Dr. A. R. Pathak, Former Vice Chancelor, Junagadh Agricultural University, India
- Dr. Paul LUU, Executive Secretariat of international "4 per 1000" Initiative.

To view this event, please click here.











"Storing carbon in overseas agricultural and forest soils. State of knowledge, levers of action for French overseas territories and regional cooperation"

This event was co-organized by the international "4 per 1000" Initiative, CIRAD and IRD, on 8 December 2023 in Francophonie Pavilion (Blue Zone).

Soils are at the heart of global issues and organic carbon (C) plays a major role in the fight against climate change by absorbing CO2 from the atmosphere. They are a reservoir of biodiversity and play a major role in food security (95% of our food depends directly on them). Storing organic carbon in soil contributes to their fertility, limiting their erosion and their capacity to retain water. Their sustainable management should make it possible to contribute to several of the United Nations SDGs including SDG 2 on zero hunger, SDG 13 on measures relating to the fight against climate change, and SDG 15 on conservation and restoration lands.

In the French overseas territories, soils are also at the heart of local and regional issues including climate change resilience, food autonomy, sustainable food which also fall under these objectives where overseas agricultural and forest soils occupy an important place. All of this meets the ambition of the international Initiative "4 per 1000: soils for food security and the climate" launched during COP21 in Paris. The Initiative invites all stakeholders involved to implement concrete actions promoting the storage of Carbon in soils through the promotion of practices. This involves encouraging stakeholders to engage in a transition towards productive, highly resilient agriculture and forestry, promoting sustainable development because it is based on appropriate land and soil management, creating jobs and income.

UA first "4 per 1000 France" study entitled "Storing 4 per 1000 of carbon in soils: the potential in France" (2019), looked at agricultural and forestry practices allowing Carbon to be stored in French soils. It was extended by the "4 per 1000 Overseas" study which provides an inventory of knowledge on carbon stocks and flows in the soils of the overseas departments and regions (DROM), territories which represent more than 15% of the surface area of France. It thus enabled the identification of levers to be mobilized to promote the conservation of stocks and improve carbon storage, particularly in the soils of these territories. This inventory has the particular ambition of contributing to spaces for territorial and inter-territorial dialogue between science, politics and agricultural and forestry stakeholders, for the design of public policies or political decision-making. The devices and knowledge acquired in French overseas territories are essential elements of the scientific collaboration of our research organizations with the countries of the South to respond to the international challenges of agriculture and development. This is particularly the case for the Caribbean island territories for the Antilles, the Indian Ocean/East Africa zone for Reunion and the Amazon for Guyana.

#### With:

- · Dr. Vincent BLANFORT, CIRAD Researcher Climate Change Project Manager at CIRAD
- Dr. Paul LUU, Executive Secretary of the international "4 per 1000" Initiative
- Dr. Marie HRABANSKI, Researcher in political sociology, CIRAD
- · Ms. Anaïs VALENCE, French Ministry of Agriculture and Food Sovereignty
- · Dr. Isabel DRIGO, IMAFLORA Manager Climate and Data Sciences
- Pr. Ricardo ABRAMOVAY, Department of Economics, University of São Paulo, Brazil.

To view this event, please click here.













"Soil health: a key issue in the fight against climate change and improving agricultural productivity"

10 December 10, 2023 - Francophonie Pavilion (Blue Zone)

This event co-organized by the international "4 per 1000" Initiative, Cirad and the IRD, aimed to continue advocacy with local and international decision-makers for the consideration of soils in the fight against climate change and for food security. By sharing expertise and experience, it aimed to convince and equip field stakeholders to improve soil health and productivity, in different socio-economic contexts.

With Dr. Vincent Blanfort, moderator, Researcher, CIRAD and:

- · Mr. Marc Fesneau, Minister of Agriculture and Food Sovereignty, France
- · Ms. Gabrielle Bastien, international "4 per 1000" Initiative
- · Dr. Cargele Masso, Environment and Biodiversity Director, CGIAR
- Dr. Ndeye Hélène Diallo Diagne, Researcher, Senegalese Institute of Agricultural Research.

To view this event, please click here.



Marc Fesneau, French Minister of Agriculture, at the Cirad-IRD-4p1000 side event on the Francophonie Pavilion - COP28 @ V. Blanfort, Cirad



### Support the International 4 per 1000 Initiative!

In the 1st quarter, the international Initiative "4 per 1000" will launch its **Call for Funding 2024**, addressed to its Partners & Members and Friends of the Initiative, to obtain donations of private funds. These donations will be intended to financially support the work and all the actions carried out by the Executive Secretariat of the Initiative [Cf. the "4 per 1000" 2022-2023 Activity Report].

To make this legally possible, a memorandum of understanding was signed on 4 July 2023 between the "4 per 1000" Initiative and the CDA (Centre de Développement de l'Agroécologie / Center for the Development of Agroecology), a 1901 association based in France. This memorandum of understanding formalises the possibility for the CDA (currently being set up by Biosphères) to become the financial recipient of donations made by Partners, Members, Friends or even the public. The funds collected through the CDA will be directly and entirely (100%) reallocated to the Alliance of Bioversity International (which hosts the "4 per 1000" Executive Secretariat in Montpellier, France) to increase the Initiative's operating budget. Thanks to the legal status of CDA, it will be possible to grant tax deductions to French donors who donate private funds to "4 per 1000".

We sincerely thank you for your gesture, which will make the cause of Soil Health even stronger this year.

To support and donate to the "4 per 1000" Initiative, please contact by e-mail Mme Béatrice Breton-Askar: beatrice.breton-askar@4p1000.org.





### Fondation d'entreprise Deloitte

In March 2023, The Executive Secretariat of the international "4 per 1000" Initiative was contacted by Deloitte Sustainability France which offered to do a 'pro bono' mission for the sake of the Initiative. The cost of this mission being paid by the Deloitte Fondation based in France.

Within the framework of this study, the request of the international "4 per 1000" Initiative was to inventory the different MRV (Monitoring, Reporting and Verification) solutions available and to make them accessible for potential users.

The 1st action of the study has consisted in agreeing on a common definition of MRV tools (what defines them) and to build a list of existing tools. The 2nd action has consisted in creating a tool for classifying existing MRV solutions, at global scale, to help project owners or other private or public organizations find the most appropriate solutions to their needs. The study has led by Deloitte by conducting interviews with the most renowned MRV experts, a bibliographic study was conducted at the same time. A MRV definition was framed thanks to the work already established by ORCaSa. A framework of criterias has been also set (perimeter, MRV and tool economic model); and a comparative study has been carried out by reviewing all the existing companies and their MRV proposals. All this leading to the creation a "4 per 1000" database of MRV tool which will be constantly improved and updated annually.

Access to this "4 per 1000" database of MRV tools will soon be available on the "4 per 1000" website, and will include 2 entries:

- · one containing the following criterias: geography / context / agricultural sector / direct or indirect soil sampling, etc.
- and the other entry which will allow the end-user to define which MRV tools corresponds the best to its needs.

The pre-study results has been presented on 14 November in Montpellier (France) in front of 40 selected representatives, during a conference called "Impact Measurement Tools for the Agroecological Transition. North-South Perspectives", coorganized by international "4 per 1000" Initiative and The <u>FARM Foundation</u>. The results of the Deloitte study have been presented during the 7th "4 per 1000" Day on 6 December 2023 in Dubai, alongside CoP 28.

A webinar dedicated to the study and to the database will be organized in the coming months.



## Official Launch of the Soil Carbon International Research Consortium (Soil Carbon IRC)

The Soil Carbon International Research Consortium was officially launched on November 21, 2023, at a plenary session in Madrid during the first edition of the European Mission Soil Week.

The Soil Carbon International Research Consortium IRC idea emerged during the CIRCASA project led by INRAE coordinated by Dr. Jean-François Soussana (Vice President of INRAE International Policy), from 2017 to 2021 with more than 500 scientists and 100 stakeholders from around the world. ORCaSa project led by INRAE and coordinated by Suzanne Reynders, started in September 2022 following CIRCASA to operationalize the Soil Carbon IRC and develop the first services, governance and business model. The international "4 per 1000" Initiative has contributed to the CIRCASA project, and participates in ORCaSa, which launched the Soil Carbon IRC.

This consortium aims to provide better access to research, methods and practices related to soil carbon. Supporting the Paris Agreement and the Sustainable Development Goals, the Soil Carbon IRC will cover all soils: agriculture lands, forests, pastures, wetlands, urban areas, etc... It is open to professionals from Research (universities, research organizations, national or international initiatives, living labs), from Funders (Research and Development funding agencies, foundations, banks) and from Users (private companies, start-ups, policymakers, agriculture experts, or NGOs) working with food, climate, and environmental topics.

Given the historical links of the international "4 per 1000" Initiative with CIRCASA and OrCaSa, and the converging objectives of the Initiative with IRC (competencies of the Scientific and Technical Committee and Strategic Plan 2050), it has been agreed that the Scientific and Technical Committee of the international "4 per 1000" Initiative will act as the interim Scientific Committee of the Soil Carbon International Research Consortium. To learn more, please click here.

(source photo: https://irc-orcasa.eu/join-the-soil-carbon-irc/)

#### Save the date!

### Season 10 of Tuesday Agrowebinars -Agreenium, in partnership with Acta - From Tuesday, October 3, 2023

Season 10 of Tuesday Agrowebinars kicked off on Tuesday, October 03. This season's main themes are Sobriety and Organic Agriculture. The 1st webinar focused on sobriety and policies for agriculture, food and the environment.

Find out more <a href="https://example.com/here/be-ex-version/">https://example.com/here/be-ex-version/</a>

### SoilCET International Symposium from January 24 to 26, 2024 - IFP Energies nouvelles, Rueil-Malmaison (near Paris, France)

At a time when the IPCC emphasizes the need to immediately reduce greenhouse gas emissions, soils and their ability to store carbon appear as a significant lever to achieve carbon neutrality targets.

IFPEN & INRAE met these challenges and are energizing the scientific community to address the latest research developments in this field.

SoilCET is an international symposium gathering scientists to discuss the issues associated with soil carbon in the ecological transition.

More information <a href="https://example.com/here">here</a>.

# "Transforming agricultures: the challenge of financing" - Tuesday February 13, 2024 from 10:30am to 5:30pm - Cité internationale universitaire - Paris, France

This international conference organized by the FARM Foundation will focus on the crucial issue of financing. To attend the Conference on site, click here. To follow the FARM Conference remotely, register here.

The conference will be translated into English.

The 60th International Agricultural Show (SIA) - February 24 to March 3, 2024 - Paris Exhibition Center (Porte de Versailles).

Find out more.

### "Agricultural Research on Climate Change" conference - March 11-14, 2024 - Potsdam, Germany

At the conference of the German Agricultural Research Alliance (DAFA), the current state of science on central topics in the field of agriculture in climate change will be presented and discussed. A focus will be on promising approaches for future production systems and the use of agricultural landscapes. Another focus will be the topic of climate protection, starting with studies to record material flows through to concepts for protective measures and carbon fixation.

Find out more.



Cirad, INRAE, IRD and Mr. Raoul Mille, Scientific Advisor to the Permanent Representation of France to the United Nations in Rome co-organized the third edition of the "International Science Festival: agriculture, food environment", November 22, 2023, Rome time. Paul Luu, Executive Secretary of the international "4 per 1000" Initiative, presented 'Soils and Soil Health in Agenda 2030'.

The event benefited from a cumulative audience of more than 3,500 people. Participants came from five continents and around a hundred countries.

All powerpoints are online here. To watch the seminar, click here.



In Siem Reap, Cambodia, the 'Transitioning Towards Agroecology and Regenerative Agriculture: A Contribution to Food Systems Transformations' (TARASA23) international worshop, held from October 25-27, assembled a diverse group of 200 stakeholders from 21 countries and 95 institutions to engage in a three-day forum on the agroecological and regenerative transformation of food systems in the ASEAN region (Association of South-East Asian Nations).

This workshop was coorganized in particular 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).

To find out more, click here. To watch the replay, click here.

### #23

#### Save the date!

### Centennial Celebration and Congress of the International Union of Soil Sciences - May 19-21, 2024 - Florence, Italy

The celebration will occur on May 19th and will be followed by two intense days of congress, with plenary and parallel scientific sessions.

Both soil scientists and specialists from other disciplines will participate to each session, focusing on past achievements and future challenges.

The event will also empower the linkages with different disciplines, policy makers, stakeholders, institutions, and associations to effectively address civil society needs within agriculture, forestry, environment, urban planning, energy, education, and other societal issues.

More information here.

The Scientific and Technical Committee of the international "4 per 1000" Initiative will hold its next meeting from May 22 to 24, 2024 in Montpellier, France.

The 9th edition of the "Soil organic matter" SOM2024 conference will take place from May 26 to 31, 2024 in Ben Guerir in Morocco, on the theme "Soil organic matter for global soil health and decarbonization".

More information here.

60th sessions of the UNFCCC Subsidiary Body for Implementation (SBI) and Subsidiary Body for Scientific and Technological Advice (SBSTA) (UNFCCC SB60) - 2-13 June, 2024 -Bonn, Germany.

Find out more.

### The EU Green Week will be held on 6-7 June 2024

More information to come here.

### EuroScience Open Forum (ESOF) 2024 - From June 12 to 15, 2024 - Katowice, Poland

The ESOF 2024 conference focuses on six different thematic areas crucial for transforming the region and the world through science and research.

The ESOF 2024 conference is free of charge, open to everyone, including politicians, businesses, companies from various sectors, residents, children, and youth.

To learn more, please click here.



Organized by EITFood, the Future of Food Conference was held in Brussels on October 26, 2023.

Dr. Claudia Schepp, Senior officer at the German Federal Office for Agriculture and Food (BLE), and member of the Executive Secretariat of the international "4 per 1000" Initiative participated in one of the sessions.

To find out more and see the interventions, click here.



SCIENCE TO POLICY

3RD POLICY FORUM

### SEQUESTERING CARBON IN SOILS AND THE ASSOCIATED TRADE-OFFS



### The 3rd EJP SOIL EU Policy Forum was held on Wednesday 11th October 2023 online.

The event aimed to bring to light supporting scientific findings from the EJP SOIL projects that can contribute towards a framework for agricultural practice selection aimed at carbon sequestration, in different pedoclimatic conditions, that benefit multiple ecosystem services and in turn soil health.

Find the presentations and recording here.



#### Save the date!

### 2024 Desertification and Drought Day - 17 June 2024 - Bonn, Germany

The 2024 Desertification and Drought Day will focus on the transformative power of healthy land for addressing today's most pressing and interconnected challenges, including climate change, biodiversity loss, food and water security —a blueprint for providing future generations with a healthy planet.

To learn more, please click here.

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

The World Living Soils Forum is a unique event aimed at sharing and promoting concrete solutions and actions in favour of sustainable viticulture and regenerative agriculture.

Organised at the initiative of Moët Hennessy, its first edition (Arles, June 2022) brought together a large community of researchers, experts, representatives of public institutions, professional associations and companies in the wine and spirits industry as well as the agri-food industry working to preserve and regenerate soils.

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

The United Nations Convention on Biological Diversity (UNCBD - COP16) will be held in Colombia from 21 October to 1 November 2024. More information here.

The United Nations Framework Convention on Climate Change (UNFCCC - COP29) will be released from 11 to 22 November 2024 in Bakou, capital of Azerbaijan.

More information to come here.

The 8th Day of the international "4 per 1000" Initiative will be held on the sidelines of COP29, in Baku, Azerbaijan, from November 11 to 22, 2024.

More information to come.

The UNCCD COP16 (United Nations Convention to Combat Desertification) will take place 2-13 December 2024 in Saudi Arabia.

Find out more here.

# PER 1000 SOILS FOR FECO SECURITY AND CLIMATE

### **Our Partners and Members act!**

Minister for Further and Higher Education, Research, Innovation and Science Simon Harris TD and Secretary of State for Science, Innovation and Technology Michelle Donelan and Permanent Secretary at Northern Ireland's Department of Agriculture, Environment and Rural Affairs, Katrina Godfrey recently announced €70 million in joint funding to create two new research centres.

The funding will bring together academics, industry and policymakers across the Irish Government, UK Government and Northern Ireland Government Departments to collaborate on common challenges such as food sustainability and climate change.

### \$47m from Norway towards adaptation, largely for smallholder farmers.

While global funding for climate change adaptation is declining, <u>Norway has announced new agreements for climate adaptation worth more than NOK 500 million</u>, in line with the goal of tripling it by 2026.

In late 2023, Australia's Minister for Agriculture, Fisheries and Forestry, Murray Watt, launched a 'National Soil Action Plan 2023 to 2028' aimed at improving Australia's poor soil health, which includes a nationwide soil monitoring program.

The action plan sets out 4 priority actions that guide the focus and design of support to action on soil by governments at all levels and partners over the next 5 years. Explore the different soil-related programs and projects by priority action here.

### Canadian Senators and Soil Health: A study takes root and bearing fruit!

The Canada's Senate Committee on Agriculture and Forestry's soil study is uncovering how soil contributes to our health, the environment and the economy.

From farms and ranches to laboratories and meeting rooms, senators are discovering what makes soil healthy, which forces threaten it and how to preserve and enhance this vital natural resource.

Watch the video <u>here</u> to dig into the evidence senators on the committee are gathering.

California Department of Food and Agriculture (CDFA) Secretary Karen Ross launched Healthy Soil Week 2023 in early December, with the theme "Common Ground: Soil Supports Us All!". Find out more <a href="here">here</a>.

To realize the potential of agroforestry, practitioners need to understand its principles.

**Proposed by CIFOR-ICRAF, 'Agroforestry: A primer' is a guide to agroforestry principles** and concepts and how to use them effectively. Download a copy <a href="https://example.com/here/">here</a>.

Perhaps because it's everywhere, the soil beneath our feet is often undervalued. But we're quickly learning just how thin the 'Earth's skin' can be. This field manual describes the Land Degradation Surveillance Framework (LDSF - CIFOR-ICRAF) field survey methods and is designed to be used in training and as a reference in the field during survey campaigns. Download a free copy here.



#### **Our Partners and Members act!**

### Five reasons why trees are a solution to the climate crisis - CIFOR-ICRAF

From carbon sequestration to storm surge protection, trees play a pivotal role every step of the way. Here are five compelling reasons why trees should be valued as a critical component of the solution to the climate crisis. Watch the video <a href="here">here</a>.

#### The FAO published its Roadmap for achieving 1.5 degrees and Zero Hunger (SDG2).

This marks the first time the UN has established a global roadmap for how to align food systems with climate action. The first phase of the report, published yesterday, is global in scope. At COP29 the FAO will publish regional roadmaps (Part 2), followed by national roadmaps at COP30 (Part 3).

**FAO released its "State of Food and Agriculture 2023" report**, focusing on the hidden costs and benefits of agrifood systems and providing a framework through which these can be assessed.

### FAO's GSP (Global Soil Partnership) and the IUSS unveiled the names of the three prize-winners of the children's booklet contest on soil and water a source of life:

1st: "Soil and Water: a source of life" by Hasfa Mago, Uganda

2nd: "A wonderful thing called friendship" by Marco Macopia

3rd: "Healthy soil and clean water from the school garden" by Juan Camilo Fontalvo Buelvas, Mexico.

To find out more and read the books, click here.

#### Partnerships that mobilize investments for climate-resilient food systems in conflict-affected areas

On December 8, CGIAR and the World Food Programme (WFP) launched a new partnership, the 'Stability and Peace Accelerator', that will support food systems innovators in fragile contexts (Nigeria, Mozambique, Yemen, Jordan) through science-driven entrepreneurship support and invite public and private stakeholders to collaborate, with the support of the African Development Bank (AfDB). Click <a href="here">here</a> to watch the event.

### Sequestering carbon in soils: what agriculture can do

It is there, beneath our feet: the soil. We barely notice it, yet it is below ground that the greatest quantities of carbon are stored in terrestrial ecosystems. Soils can play a substantial role in reducing atmospheric greenhouse gas concentrations. This implies preserving the huge carbon stocks found below ground, but also restoring degraded lands, in particular through specific agricultural practices that enable more carbon to be stored in soils. We explain how.

To read this CIRAD article, click here.

### CIRAD commits to preserving soils worldwide

<u>CIRAD recently signed the European Commission Soil Manifesto</u>, making it an active member of the community of practice dedicated to preserving soils in Europe & beyond.

The manifesto centres on the activities of the "Mission Soil" launched under the umbrella of the Horizon Europe programme. As its name suggests, the Mission for Soil Health and Food is intended to promote soil health & sustainable food supplies in Europe. It highlights the vital importance of healthy soils for food production, conservation, & climatechange mitigation.

Healthy, living soil is the foundation of any thriving agroecosystem. Soil disturbance can disrupt the balance in soil composition by reducing pore space, negatively impacting soil health, rupturing the intricate soil food web, and destroying communities of beneficial organisms. By minimizing soil disturbance through no-till and low-till practices, we can protect this precious resource and reap the benefits of healthier soils, increased crop yields, and a more resilient food system.

Find out more on the Regeneration Canada blog by clicking here.

### Keeping the soil covered: a regenerative agriculture principle

Keeping the soil covered allows for favourable conditions for microorganisms to thrive. Covering soil also helps regulate soil temperature and protects against wind and water erosion. Cover crops are common soil covers, where non-commercial crops are planted to anchor valuable topsoil, fix nitrogen, build soil organic matter, and retain soil water.

To find out more, read the Regeneration Canada article by clicking here.



### **Our Partners and Members act!**

#### The COP28 Action Agenda on Regenerative Landscapes was launched

A flagship initiative of the COP28 Presidency, chaired by COP28, the World Business Council for Sustainable Development and Boston Consulting Group (WBCSD), and supported by the UN Climate Change High-Level Champions, the initiative aims to work together in the lead up to COP30 to overcome key challenges and jointly accelerate the transition towards future-proofed food and agriculture systems. To find out more, click <a href="here">here</a>.

Keeping soil covered during the winter protects it from soil erosion, increases water holding capacity, helps support all the beneficial life within it, and gives weeds less opportunity to take root. Cover crops also increase soil fertility, ward off weeds, pests and diseases, and increase biodiversity.

If you haven't implemented cover crops yet, make sure to do it next fall to set yourself up for success. **Farmer or not, check** out the Kiss The Ground cover crop guide to learn more.

To kick off 2024, Regeneration International's celebrates its network in Asia which now counts more than 70 organizations representing millions of farmers from Japan to Pakistan, and from the Philippines to South Sinai. Join the movement!

Regeneration International has just released a video directed by Oliver Gardiner, Eurasia coordinator and media producer for Regeneration International, entitled: <a href="The power of regeneration in Asia">The power of regeneration in Asia</a>.





Mekong Organics brings Regeneration International to Dông Tháp Province, Mekong Delta, Southern Vietnam by Oliver Gardiner, RI Eurasia Coordinator and Media Producer for Regeneration International.

Mekong Organics, an organization based in Australia led by Dr Van Kien Nguyen, has set up a wildlife conservation programme to re-introduce the Red Crane in the Tràm Chim National Park, which promotes agroecological rice farming to save protect wild birds from harmful chemicals.

In the context of an economic exchange program between the governments of Vietnam and Australia, Regeneration International was honoured to be invited by Mekong Organics and the People's Committee of Dông Tháp Province, for the first international workshop on combining rice farming with wildlife conservation. With a keynote presentation from Regeneration International's Director, Dr André Leu, on the Systems of Rice Intensification and Regenerative Agriculture.

<u>Find out more</u>. To see the report broadcast on national television, click <u>here</u>.





If you would like to receive the international "4 per 1000" Initiative newsletter, please send an e-mail with your contact details by clicking here.



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

(between October 2023 and January 2024)

### **Private foundations of public interest**

**Stichting Save Soil Foundation - Netherlands** Find out more <u>here</u>.

#### Research and educational bodies

Faculty of food science & technology - Chattogram Veterinary & Animal Science University - Bangladesh. Find out more <a href="here">here</a>.

**Institute of Forestry - Tribhuvan University - Nepal** Find out more here.

**Trinity Centre for the Environment - Ireland** Find out more <u>here</u>.

### Civil society & non-profit organisations

**AJA - Action pour la Jeunesse d'Afrique - Togo** Find out more here.

Association of Taiwanese Indigenous Peoples' Development - Taiwan. Find out more here.

### **AVENIR POUR TOUS asbi - Cameroon** To contact them, click <u>here</u>.

CDA - Centre de développement Agroécologie - France. Find out more <u>here</u>.

**FUMEC - Mexico.** Find out more <u>here</u>.

Projet Génération Responsable - Association Amore & Pace - France. Find out more here.

SFDO - Greece. Find out more here.

**Lokal Lab Siargao inc. - Philippines.** Find out more here.

### **Commercial & for-profit organisations**

Acadian Plant Health - Canada. Find out more here.

Agence de recherche pour le développement - Togo. Find out more <u>ici</u>.

AVELANA - France. Find out more here.

BIOSPHERES - France. Find out more ici.

**Carbon Farmers of Nepal Private Ltd - Nepal** Find out more <u>here</u>.

### **Commercial & for-profit organisations**

Carbonwave - Sarga AG - United States of America Find out more <u>here</u> and <u>here</u>.

**Climate Adaptation Works - United Kingdom** Find out more here.

**CROP INTELLIX Private Ltd - India** 

Find out more here.

**Darksoil studio - Sweden** Find out more here.

**Earth Analytics Group - United Kingdom** Find out more here.

**ECOKRISHI SOLUTIONS - India** 

Find out more here.

**EIT Food CLC North-East Sp. z o.o. - Poland** Find out more <u>here</u>.

**Gaurishankar Seed and Reseach Centre pvt ltd - Nepal** To contact them, click <u>here</u>.

ImpactMaker - France
To contact them, click here.

**ISA NEXT-GEN MATERIALS - China** 

Find out more here.

Oath Inc - United States of America. Find out more here.

**ORMEX - France.** Find out more <u>here</u>.

**SOCIETE GENERALE - France** Find out more here.

TERRA 12 - United States of America

Find out more here.

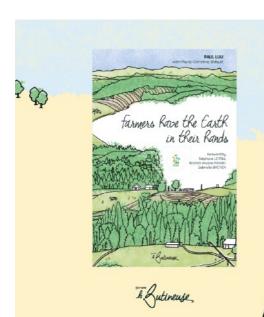
Terra Agro Biotech pvt ltd - India

Find out more here.

See here how to join the « 4 per 1000 » Initiative.



### 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 Ms. Béatrice Breton-Askar by e-mail: <a href="here">here</a>. To view the presentation file, click here. We thank you in advance for your support.

# The international "4 per 1000" Initiative in a figure ... 810 Partners including 356 Members! (January 2024)

All countries or organizations that wish join the Initiative (**see <u>here</u> 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 "Restore: on the frontiers of hope" Documentary Series has won the Jury Prize of the world's biggest The Science Film Festival!

Watch the winning films for free now by clicking here.

The Science Film Festival is the biggest global event of its kind, taking place in 15+ countries across three continents, and attracting over 500,000 visitors in late 2023.

The international "4 per 1000" Initiative is a partner of the United Nations Decade on Ecosystem Restoration 2021-2030.



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

### SOIL - An interactive open-access journal

SOIL is a journal of the European Geoscience Union (EGU), an international learned society for the earth sciences. As such, it is a not-for-profit journal, and all articles are open access. It is also one of the leading soil science journals, with CIRAD's Rémi Cardinaël as Editor-in-Chief.

### What if hedges could save our farmers? - Anne Reutin - TEDx Versailles - November 2023

Anne Reutin is coordinator of 'Planteurs d'avenir'. Over the past 60 years, the rural hedge has been disappearing from our agricultural landscapes a little more every day. Once a companion to crops, they are now considered a nuisance. Yet hedges can do wonders: they are a refuge for biodiversity, soil maintenance, shade, fodder, carbon storage... The aim of 'Planteurs d'avenir' is simple: to put hedges back at the heart of agricultural land.

The French Scientific Committee on Desertification (CSFD) has just published the work "Desertification and climate change, the same fight?" by Editions Quae by Bernard Bonnet, Jean-Luc Chotte, Pierre Hiernaux, Alexandre Ickowicz and Maud Loireau.

What are the causes of vegetation and soil degradation? What are the consequences on ecosystems, biodiversity, water resources and the climate? What are the impacts on human societies and the economy? Often wrongly perceived as a distant issue for our European countries, the fight against desertification is struggling to emerge in terms of environmental priority. However, desertification is not inevitable.

This work shows us that it is not always linked to climate change and that it does not only take place in dry areas, even though they are the most exposed. It clarifies the concept in its different geographical, biological and socio-economic variations. Based on the most recent scientific studies, the authors explain the methods and benefits expected from the fight against desertification and land degradation.

Addressing scientists, NGOs, journalists, students, decision-makers, etc., the authors endeavor to deconstruct many preconceived ideas in order to fully contribute to national and international debates.

To find out more please click <u>here</u> (in French).

#### Desertification: extension of the field of struggle - ARTE TV - August 2023

While a quarter of greenhouse gas emissions come from agriculture, how can we feed ourselves without damaging the planet? Journalist Pierre Girard meets farmers who take care of the land. To see this film report, click here.



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

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

Facebook Page: 4p1000 Initiative www.facebook.com/4p1000 ou fb.me/4p1000

Facebook Group: All 4 per 1000 www.facebook.com/groups/all4p1000

Linkedin: 4p1000 Initiative <a href="https://www.linkedin.com/company/4p1000initiative/">https://www.linkedin.com/company/4p1000initiative/</a>

ex-Twitter: @4per1000 #4p1000 www.twitter.com/4per1000

YouTube: 4p1000 Initiative <a href="https://www.youtube.com/channel/UCvBmNtaHxi3PcvbUkkL\_UQg">www.youtube.com/channel/UCvBmNtaHxi3PcvbUkkL\_UQg</a>

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



The Executive Secretariat is still looking for a secondment related to a Communication officer and webmaster.

If your institution or organization wishes to provide such a secondment, please contact Dr. Paul LUU here.

January 2024 #23

### 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 March 10, 2023.

You can send an e-mail to socialmedia.admin@4p1000.org.