



## “4 per 1000” Initiative, Soils for Food Security and Climate

### Editorial by Paul Luu



Dear Members and Partners,

The unexpected situation in Chile has forced the Chilean authorities to renounce hosting the UNFCCC COP25 in Santiago. We have taken note of this, but regret that we are unable to participate in this event under the conditions initially planned. Spain has volunteered to host this COP, which will remain under the Chilean presidency, and we welcome this initiative. We have therefore decided to follow suit, and despite all the organizational work already finalized for Santiago, to hold our 3rd Day of the Initiative "4 per 1000" in Madrid, on 11 December. The STC meeting, also held in Madrid, will take place the previous day, on 10 December.

[The registration site](#) is reopened and you can register again.

Please participate if you can, as this will be an important recognition of your support to the Initiative. Last year, nearly 200 people participated in the "4 for 1000" Day in Katowice (Poland), to contribute to the Forum's discussions, to take part in the Consortium's decisions (including the preparation of the 2019 roadmap, the decision to create the Bureau and to validate the main orientations for the future), or to hear the 15 personalities who honoured us with their participation in the high-level segments.

2019 was a productive year in terms of events and achievements, notably:

- The call for projects for evaluation (13 projects received)
- The call for applications for the partial renewal of the STC (9 applications)
- The active search for resource mobilization for the Initiative with the support of Danone, IT2, Spain, AFD, etc
- A fundraising campaign on our partners and members to promote their membership of the collaborative platform and an interactive online map
- Animation via social networks Facebook, Twitter, LinkedIn, and of course our website
- The initiation of a network of ambassadors of the "4 per 1000" Initiative around the world
- The continuation of the STC's work with its own meetings, as well as the drafting of joint articles, the preparation of the book, and the participation in numerous symposia, meetings and scientific symposia throughout the world in collaboration with our colleagues from CIRCASA, the GRA and the GSP
- And many other activities that will be included in our activity report, which I encourage you to read as soon as it is published before the 3rd Day of the Initiative.

We also reached more than 400 partners and members in 2019, which confirms our confidence in the topics, objectives and orientations of the Initiative.

We must continue to stimulate our collective work by relying on this network of more than 400 members and partners, because the Executive Secretariat alone cannot do everything.

Now it is up to you to launch projects, organize meetings, implement actions in the field within our network to promote our ideas and objectives.

Despite the exceptional circumstances of COP25, the Executive Secretariat team wishes to have the pleasure of welcoming you in Madrid on 11 December.

See you soon then,

**Dr. Paul LUU, Exécutive Secretary**

## Save the date!

**The 4 per 1000 Initiative "Soils for Food Security and Climate » organizes**, with the support of the Ministry of Agriculture and Fisheries, Food and Environment of Spain, **the 3rd of the "4 per 1000" Initiative Day, on Wednesday, December 11**, during COP25, **in Madrid, Spain**. A meeting of the **STC** will also be held during COP25, December 9th and 10th, 2019. **To register [here](#)**

**European Commission (DG Environment) is pleased to invite you to the conference 'Soil and the SDGs: challenges and need for action' - Brussels - November, 25, 2019**

The conference targets policy-makers, researchers, representatives of NGOs and other stakeholders active in the protection of land and soil.

**The conference is free of charge but registration is mandatory.**

For more details about the conference and to register please click [here](#)

**'Pour une Agriculture du Vivant' offers training "Acquiring the fundamentals of living soil and agroecology", December, 5, 2019, in Paris.** More information [here](#) (in French)

**The government of Flanders is pleased to invite you to the international Symposium on Soil Erosion: "Connecting Science, Policy and Practice" to be held on December, 5 and 6, in Leuven (Belgium).**

One of the major causes of declining soil and water quality within Europe will be tackled in three thematic sessions. After the international sessions, a session in Dutch on Friday afternoon will focus on the current soil erosion policy in Flanders and the latest developments, insights and experiences. The symposium is **free of charge but registration is mandatory.** To register click [here](#)

**A map with the geographic location of the members and partners of the "4 per 1000" Initiative has been created.**

To see the map click [here](#).

### Call for posters - "4 per 1000" Initiative Day

Following the previous Initiative Days and for this 3rd instance, the Executive Secretariat of the "4 per 1000" Initiative and Agreenium decided to repeat the poster session highlighting the activities led by the members of the Initiative.

These activities, related to the issues of the Initiative (food security, climate change mitigation and adaptation) can be a public policy, a local innovation, a scientific project, a local or national development project ... Posters will be displayed in a dedicated space during the meeting and a digital version of the posters will be available for download by the members.

More information [here](#)

From 16 to 18 September 2019, **Project Drawdown organized its first International conference at Penn State University, PA, in the USA: "Research to Action: The Science of Drawdown"**.

Béatrice Breton-Askar, Resource Mobilization Senior Officer at the "4 per 1000" Executive Secretariat took part in this amazing conference with 1,500 other participants. Leading scientific experts and researchers exchanged about the most innovative and promising climate change solutions and upcoming research.



Project Drawdown is an NGO created in 2014 in the USA. In 2017, Project Drawdown increased awareness with the release of the Drawdown book, by Paul Hawken, entitled: "Drawdown the most comprehensive plan ever proposed to reverse global warming": 100 solutions to reverse global warming.

To learn more about Project Drawdown, click [here](#)

To learn more about their Food and Land-Use solutions, click [here](#).

During the XXII Latin American Soil Congress (7-11 October 2019, Montevideo, Uruguay), **the Global Soil Partnership (GSP)** dynamically participated in different activities: a symposium on the Latin American Soil Laboratory Network (LATSOLAN) and a second symposium on the Recarbonization of Global Soils.

**The GSP Secretariat also participated in the VII Latin American Symposium on Educational Innovations in the Teaching of Soil Science, where a presentation on the importance of soils for children was made.**

More information [here](#).

## Save the date!

### World Soil Day 2019, Soil erosion... a new item! Local and territorial solutions.

By the Association Française pour l'Etude des Sols (AFES) - **December 6 at the Palais des Arts in Vannes, France.**

Information and registration [here](#)

### Symposium on Soil Conservation and Biodiversity - 23 January 2020 - SupAgro - Montpellier

The AgroSYS Chair with the Occitania Fruit and Vegetables Federation, the Occitania Regional Chamber and the 'Pour une agriculture du Vivant' Association, is organizing a day of scientific presentations and technical exchanges on soil conservation and its functional biodiversity.

This event is intended for a wide audience of producers, technicians, business leaders, researchers, students,...

Participation in the costs 25€ (excl. tax - meal included) - registration required

[For further information](#) (in French)

**The "4 per 1000" Initiative is organizing, in collaboration with CIMMYT (International Maize and Wheat Improvement Center), ICAR (Indian Council of Agricultural Research) and TAAS (Trust for Advancement of Agricultural Sciences), an Asia regional meeting in New Delhi (India) at the end of January 2020 (to confirm).**

### « North-East Healthy Soil network Symposium » - February, 20-21, 2020 - Tufts University - Boston (USA)

This Symposium is co-organized by the "4 per 1000" Initiative, TUFTS University, the Consulate General of France in Boston and the Embassy of France in the United States.

### European Workshop on Bioeconomy

INRA, Irstea and IFPEN in partnership with the French three Ministries of 'Agriculture et Alimentation', 'Enseignement supérieur, Recherche et Innovation', 'Transition Ecologique et Solidaire' and in partnership with the 'German Federal Ministry of Food and Agriculture' organized a European workshop on bioeconomy on **29 and 30 October 2019 in Paris**. This workshop is the third one following those held in Paris in 2015 and 2017.

Bioeconomy is now on the agenda of 17 countries in Europe including France and the European commission has updated its bioeconomy strategy in October 2018 to reinforce the need to have sustainability and circularity at the heart of bioeconomy to address major global challenges like climate change and land and ecosystem degradation.

This workshop tried to identify specific research needs to take into account the ecological boundaries of our planet and to develop a circular and sustainable bioeconomy that fulfils the SDG. Three issues were addressed:

- What are the priority research needs to move towards a more sustainable bioeconomy ?
- Which tools for research and development are lacking today?
- Which types of partnerships are necessary for the development of a circular bioeconomy?

**Jean-François Soussana, Vice-chair of the Scientific and Technical Committee of the "4 per 1000" Initiative gave a presentation in the workshop focussed in SOC, climate change and food security.**

**The scientific officer of the "4 per 1000" Initiative, Paloma Melgarejo also participated in the workshop.**

For more information, clicked [here](#)



## Governments and local authorities They act!

The new brochure by European Environment Agency on Land and Soil in Europe "EEA SIGNALS 2019 - Land and soil in Europe: Why we need to use these vital and limited resources sustainably" is available [here](#).

On Tuesday 15 October 2019, the French National Assembly invited some pioneers of conservation agriculture and soil restoration.

Sarah Singla, a farmer in Aveyron (France), member of the [APAD network](#) and president of the '[Clé de Sol](#)' association, spoke about the soil and its importance.

To watch the movie "Welcome to the worms" click [here](#) (in French). This film was directed by François Stuck with the associations Clé de Sol and IDEtorials. The images, the sound recording and editing were done by Philippe Guilbert - Terre de Touraine.

**European Commissioner Phil Hogan, the Finnish Minister of Agriculture and Didier Guillaume, French Minister for Agriculture and Food, cited CIRCASA and the "4 per 1000" initiative.**

[Introductory Remarks by Commissioner Phil Hogan at Informal Agricultural Council, Helsinki, 24 September 2019.](#)



## Governments and local authorities They act!

### **Roundtable "Carbon Farming Schemes in Europe" - Wednesday 9 October 2019 - Brussels.**

This roundtable is part of the study "Analytical support for operationalization of an EU Carbon Farming Initiative", which is exploring the key to the development and wide scale adoption of carbon farming schemes in the European Union. Drawing on an extensive analysis of existing carbon farming schemes globally and within Europe, the event gave an opportunity to discuss with stakeholders the most promising concepts for carbon farming schemes in Europe, with an emphasis on how we translate these into results-based schemes fit for purpose in the EU. The day was structured around concepts of carbon farming schemes related to arable and livestock farming, and land conversion. The challenges and solutions for the design of carbon farming schemes were illustrated and explored with examples from existing schemes.

[The outcomes of the roundtable](#) inform the further exploration of carbon farming scheme concepts in Europe, to take place between autumn 2019 and spring 2020.

Ultimately, this work will result in a guidance on operationalising results-based carbon farming schemes with the aim of facilitating their widespread uptake in Europe.

The roundtable workshop brought together up to 60 policy, scientific and legal experts with knowledge of assessments and implementation of climate mitigation actions in agriculture and carbon farming schemes in Europe.

### **Launch of France's International strategy for food security, nutrition and sustainable agriculture**

The scientific coordinator of the "4 per 1000" Initiative, Paloma MELGAREJO NARDIZ, attended, on behalf of the Initiative, the "Launching of the French International Strategy for Food Security, Nutrition and Sustainable Agriculture". The event took place at the Ministerial Conference Centre in Paris on 22 October 2019.

This strategy, coordinated by the Ministry of Europe and Foreign Affairs of France, also involved other ministries such as the Ministry of Agriculture and Food, the Ministry of Ecological Transition and Solidarity, the Ministry of Higher Education, Research and Innovation, the Ministry of Solidarity and Health and the Ministry of Economy and Finance.

The event was attended by senior representatives of these ministries and other institutions such as FAO, CIRAD, the French Development Agency, the Laboratory for Climate and Environmental Sciences, the Advisor of the Vice-President of the Republic of Côte d'Ivoire, the Southern Coordination and the World Food Programme. T

he purpose of this strategy is to detail the actions that France is developing in these areas, in order to have a clear vision of the objectives and available means and to achieve a better coordination.

It responds to five objectives:

- 1) to strengthen global governance of food security and nutrition,
- 2) to develop sustainable agricultural and food systems,
- 3) to reinforce French action on nutrition,
- 4) to support the formation of sustainable agri-food subsidiaries to promote job creation in rural areas, especially aimed at young people, and
- 5) to reinforce food aid actions for vulnerable populations and improve their resilience to food insecurity, in emergency or chronic situations.

For more information click [here](#) (in French).

## Save the date!

**Global Symposium on soil Biodiversity - Keep soil alive, protect soil biodiversity - 10-12 March 2020 - 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**).  
**The main objective is to fill some critical knowledge gaps and promote discussion** among policy makers, food producers, scientists, practitioners and other stakeholders on solutions to live in harmony with nature.  
 Registration to the symposium is free of charge [here](#).

**Regeneration Canada** is pleased to announce the next edition of the **Living Floors Symposium in Montreal, in March, 18-21, 2020!**  
 The 2020 Symposium will focus on the climate emergency and real regenerative solutions leading to collective action. The "4 per 1000" initiative is expected to organize a North American regional meeting just prior to this symposium. Dates are to be confirmed.  
 More information about the symposium [here](#)

**The "4 per 1000" Initiative, Brazilian Federation of Zero Tillage and Irrigation (FEBRAPDP) and Embrapa will organize the 9th Meeting of the Scientific and Technical Committee (STC) and the Latin America Regional Meeting in Brazil during the second half of June 2020** (dates and details to come).

More events [ici](#)



## Research and training bodies They act!

### "4 per 1000" first call for formative assessment of projects

13 projects were received. They are subject to the Scientific and Technical Committee (STC)'s expertise.

The successful projects will be submitted to major international funders who will make their choice and submit them to their own selection funding process.

The title of the projects:

- PFA-01 Feed the Future Resilient Agricultural Markets Activity-Beira Corridor (RAMA-BC)
- PFA-02 Participatory Soil Carbon Management program in North West Region Cameroon (P.S.C.S.M.P. NWRC)
- PFA- 03 Land for Life
- PFA- 04 Programme agroforestier villageois avec les arbres fertilisants
- PFA- 05 AGRICOAL
- PFA- 06 Wheat for climate and people (WPC)
- PFA- 07 Soil Restoration and Multifunctionality of degraded forest landscapes in Ivory Coast (TERRI4SOL)
- PFA- 08 BioRenGaz
- PFA- 09 Circular Economy Household Waste Reduction and Long Term Carbon sequestration
- PFA- 10 Forest Harvest Waste Utilisation. Burn and Char soil amendment
- PFA-11 Objectif Terre
- PFA- 12 FrassiNova
- PFA- 13 Recuperación de suelos granja co-laborativa, para fomentar la soberanía alimentaria.

### Submission to Decision FCCC/SB/2018/L1 on the Koronivia Joint Work on Agriculture (KJWA). Topic 2(d) Improved nutrient use and manure management towards sustainable and resilient agricultural system.

[The submission](#) is submitted by a group of research and higher education institutions and programs, observers and non-observers to the UNFCCC. The "4 per 1000" Scientific and Technical Committee took part in these works and is a signatory like certain members and partners of the college "Research and training bodies".

### Chemical properties at European scale based on LUCAS topsoil data

A new set of maps of baseline topsoil chemical properties at high resolution (500m) is available for the European Union.

The derived maps can be baselines to monitor soil quality and provide guidance to agro-environmental research and policy developments in the European Union. The chemical properties maps for the European Union were produced using Gaussian process regression (GPR) models. The methodology and more details can be found in [the relevant publication in Geoderma](#).

Data are available [here](#).



## Research and training bodies They act!

### Call for papers for a special issue of Etude et Gestion des Sols "Services provided by soils"

The journal Etude et Gestion des Sols plans to publish a special issue devoted to the theme of soil services. Indeed, this concept has recently been the subject of much fundamental and applied research. This special issue aims to illustrate its advances and areas of application and its edition is entrusted to I. Cousin (INRA Orléans), T. Eglin (Ademe) and C. Walter (Agrocampus West).

This issue is intended to deal specifically with the services and/or functions provided by soils. Original contributions are requested on the following themes:

- conceptual or critical thinking on the theme of ecosystem services to which soils contribute - or the services provided by soils -,
- proposals for service or function indicators,
- examples of evaluations - biophysical and/or socio-economic - of the services provided.

Deadline for submission of an article: **November 30, 2019**

More information [here](#) (in French).

["Climate change has likely already affected global food production"](#) by Deepak K. Ray, Paul C. West, Michael Clark, James S. Gerber, Alexander V. Prishchepov, Snigdhasu Chatterjee.

**Cornelia Rumpel, Chair of the Scientific and Technical Committee of the "4 per 1000" Initiative** and Research Director at the Institut d'écologie et des sciences de l'environnement de Paris (IEES), contributed to the writing of the book ["Restoring the productivity of tropical and Mediterranean soils: Contribution to agroecology"](#) (2018, IRD Éditions, Marseille, France, 712 pages).

In chapter 11 "Importance of charcoal in restoring tropical soil fertility: a review", Cornelia Rumpel explains the strengths and weaknesses of biochar.

### The first global earthworm map reveals substantial diversity that is now under threat from climate change

To read CIRAD's press release, click [here](#)





## International Organisations They act!

At the Pre-COP25 meeting (San José, Costa Rica from 8-10 October 2019), [Eduardo Mansur, Director of the FAO Land and Water Division and correspondent of the "4 for 1000" initiative at FAO](#), stressed the importance of [restoring degraded lands](#).

He also recalled that "FAO launched the Global Soil Organic Carbon map in 2017" and that the "IPCC in its latest report on land highlighted the importance of agriculture and soils".

More information [here](#).

### 5 December 2019 - World Soil Day - Stop soil erosion, Save our future

World Soil Day 2019 (#WorldSoilDay) and its campaign "[Stop soil erosion, Save our future](#)" is envisaged to **raise awareness on the importance of sustaining healthy ecosystems and human well-being** by addressing the increasing challenges in soil management and, **raise the profile of healthy soil** by encouraging governments, organizations, communities and individuals around the world to engage in proactively improving soil health. Small actions can have a significant impact on the health of our soils for Zero Hunger!

For more information click [here](#) or contact: [GSP-Secretariat@fao.org](mailto:GSP-Secretariat@fao.org)

### Global Green Growth Institute (GGGI) at the 74<sup>th</sup> UNGA and Climate Week NYC

During the 74th UNGA and Climate Week in New York City, [GGGI](#) Director-General Frank Rijsberman offers his thoughts on this year's UN Climate Summit, how green growth plays a role in climate action and achieving the SDGs, and the key work of GGGI and its Members.

Watch it [here](#). More information [here](#).

In pursuit of these goals, GGGI works with developing and emerging countries to design and deliver programs and services that demonstrate new pathways to pro-poor economic growth. GGGI provides Member Countries with the tools to help build institutional capacity and develop green growth policy, strengthen peer learning and knowledge sharing, and engage private investors and public donors.



## Civil Society, associations, NGO They act!

[Nature's Climate Hub](#), organized by the [Nature4Climate](#) Initiative, provided a dynamic space for the conversation on natural climate solutions from September 22-25 in NYC. On Monday the 23rd, the program focused on Food, Soils and Agriculture. Sara Scherr, President of EcoAgriculture Partners, presented "[1000 Landscapes for 1 Billion People](#)".

### Ecosystem Restoration Camps

The Ecosystem Restoration Camps movement continues to grow with many new camps emerging around the world. There are now camps in Spain, Mexico, California, Bolivia and they are forming in the Gambia, Senegal, India, South Africa, Kenya, Somalia, Sudan, Egypt and beyond.

Under the slogan "together we are powerful", John D. Liu\*, member of the Dutch non-profit Ecosystem Restoration Camps Foundation started in 2016 to engage hundreds of people in research, monitoring and demonstrating the best practices in seed saving and exchange, professional propagation and nursery systems, largescale composting, water harvesting, and water management systems.

Click [here](#) for more information.

*\*John D. Liu is also ecosystems Ambassador of the Commonland Foundation*

**"An agriculture of the living: reconciling the earth and people. Ways to reintroduce diversity and preserve our natural resources. Economically viable solutions to transform our production systems. With the contributions of many experts"**. Publication date: January 30, 2020. [Online subscription](#).

Discover all the news about Agriculture du vivant [here](#) (in French).



Crédits : JPlenio - Hans



## Civil Society, associations, NGO - They act!

**Regeneration International (RI) was launched in June 2015.** In December 2015, RI led its 1<sup>st</sup> delegation - nearly 60 people - to the COP21 conference in Paris. **Every year since, Regeneration International participated in this international conference, bringing with them the message of regenerative agriculture as a solution to global warming, and also to so many other issues, including poverty and hunger.** RI is committed to this mission, so they will send a delegation this year to Madrid. Regeneration International is equally committed to supporting the farmers and civil society groups, from Chile, Argentina, Brazil and Uruguay, that they've been working with for many months, in preparation for the events in Santiago. RI fear that the last-minute venue change to Madrid will mean that the voices of civil society won't have a platform at this year's COP. **To ensure that they do, Regeneration International will serve as a "bridge" between the official COP25 in Madrid, and the unofficial COP25 events that will take place in Chile, with strong delegations in both cities.**

### **Adapt Now: A Global Call for Leadership on Climate Resilience - Report and Background Paper**

Leaders from the Global Commission on Adaptation call on governments and businesses to take urgent action to innovate and advance climate adaptation solutions in light of new research findings. [The Commission's report, Adapt Now: A Global Call for Leadership on Climate Resilience](#), finds that investing \$1.8 trillion globally from 2020 to 2030 in five areas could yield \$7.1 trillion in net benefits.

In this [Background Paper for the Commission](#), Sara J. Scherr and Seth Shames of [EcoAgriculture Partners](#) present how ILM can help multiply those benefits through locally-led planning to identify synergies, mitigate trade-offs, and improve social cohesion.

### **Open Team's mission is to support knowledge transfer and the scaling up of innovative projects in the fields of agroforestry, food security and responsible consumption, along with education, gender equality, renewable energy while ensuring respect for indigenous populations.**

The Scale School program enables entrepreneurs who have implemented mature and sustainable solutions to transmit the keys to their success to other project leaders. This replication model is currently being used at a biointensive microfarm in Nepal, combining permaculture with local knowhow – a fruitful learning experience focused on the challenges of deploying new agricultural practices with possible applications in urban settings. More information [here](#).

**The Agoragro is launched! Agoragro is a new media with a Youtube channel and an audio podcast.** It is dedicated to all those interested in agriculture and food issues and who want to go beyond formatted and ideological information. The media publishes interviews with as much speaking time as necessary to question the sustainability of our agriculture and identify levers for action to improve it.

Videos and podcasts consist of interviews with personalities from diverse backgrounds which test their ideas and speeches and where there is time to imagine the future. This media is intended to be **collaborative and community-based**, based on the **exchange and confrontation of ideas** on social networks, in order to bring out **intelligent collective actions**.

Do you want to add a stone to this project? Do you want to express your experiences, your convictions, your visions of the agricultural world? Feel free to visit the website [here](#) (in French) or contact [alexia@agoragro.fr](mailto:alexia@agoragro.fr) directly.





## Private companies They act!

**Back from the G7, some thoughts from Emmanuel Faber, Chairman and CEO of Danone.**  
Read the article [here](#) (in French).

**Breakthrough Strategies & Solutions, a consulting firm, is pleased to release [the summary of its July 2019 online survey of soil policy experts regarding policy formulations to promote healthy soils and soil carbon sequestration](#).**

This survey asked respondents to rate numerous potential policy options, as well as to share their additional comments and suggestions.

[Breakthrough Strategies & Solutions](#) thanks all the survey respondents for taking the time to share their ideas, and hope this summary of responses will help advance promising soil carbon sequestration and healthy soils policies.

[Breakthrough Strategies & Solutions](#) also produced, under the lead of Betsy Taylor, a [guide “Healthy soils to cool the planet - a philanthropic action guide”](#). This guide focuses on philanthropic and investment opportunities to promote healthy soils and soil carbon sequestration (SCS) primarily through changes in agricultural practices in the United States and globally. This guide provides an initial roadmap for investing in healthy soils to help cool the planet and enhance resilience.

### **One Planet Business for Biodiversity (OP2B)**

Initiated within French President Macron’s One Planet Lab framework and launched at the United Nations Climate Action Summit in New York on 23 September 2019, [OP2B](#) is a unique international cross-sectorial, action-oriented business coalition on biodiversity with a specific focus on agriculture. The coalition OP2B is determined to drive transformational systemic change and catalyze action to protect and restore cultivated and natural biodiversity within the value chains, engage institutional and financial decision-makers, and develop and promote policy recommendations in the Convention on Biological Diversity (CBD) COP 15 framework to be held in 2020.

Actions are focused around three pillars:

- Scaling up regenerative agriculture practices to protect soil health
- Developing product portfolios to boost cultivated biodiversity and increase the resilience of the food and agriculture models
- Eliminating deforestation, enhancing the management, restoration and protection of high value natural ecosystems

Led by the [WBCSD](#) (World Business Council for Sustainable Development) and [Emmanuel Faber](#), Chairman and CEO of [Danone](#) and Co-Chair of the Consumer Goods Forum, the coalition currently consists of nineteen companies.

‘Ver de Terre Production’ set up a new training agenda. More information [here](#) (in French).

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

### **More than 400 Partners and Members!** (October, 2019)

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 \(October, 2019\)](#)

**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](mailto:beatrice.breton-askar@4p1000.org)**

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



## Private companies They act!

### Livelihoods Venture at the UNCCD COP14

Poor land health is on the rise and already impacts 3.2 billion people all over the world. Land degradation, biodiversity loss and climate change are linked and have direct consequences on food production, global warming and peoples' livelihoods. This is not a marginal issue of remote areas. Solutions exist and can be implemented at scale. Serious action from governments, the private sector and the civil society is urgently needed to reverse the current trend.

Livelihoods Venture showcased its solutions during the fourteenth session of the Conference of the Parties (COP14) to the United Nations Convention to Combat Desertification, which was held from September 2 to 13 in New Delhi, India.

More information [here](#).

[4 questions to Bernard Giraud on land restoration](#). Bernard Giraud is Co-founder and President of Livelihoods Venture.

**Novamont is worldwide leader in the sector of biomaterials and in the development of bioproducts from renewable resources.** Novamont's mission is to develop materials and biochemicals through the integration of biochemistry and agriculture, by starting up biorefineries in the local areas and providing application solutions that ensure efficient use of resources throughout their entire life cycle, with multiple advantages for the social, economic and environmental system.

**Novamont** is closely concerned in the safeguarding of natural resources, in particular soil. Its development model starts from the reconversion of decommissioned sites, thus avoiding soil consumption and greenfields exploitation, and the development of low-impact integrated agricultural value chains. Through its research activity Novamont focuses on identifying native multi-annual crops that can be cultivated on unirrigated and economically marginal soils, maintaining biodiversity and capable to bring organic matter and fertility. At the same time the model is designed to maximize the use of all production components along the value chain: the "wastes" thus become co-products and the starting point for the development of new value chains.

Biodegradable and compostable materials are specifically conceived to contribute in bringing clean organic matter back into the soil, in the form of high-quality compost, since they allow to optimize the separate collection of biowaste, avoiding plastic contamination. Bioproducts, such as biolubricants, biodegradable ingredients for cosmetics and bioherbicides, are also designed to safeguard solid and liquid streams from pollution, with the same final goal of improving the quality of organic matter. In developing this model Novamont collaborates with different stakeholders - institutions, research bodies, farmers, local authorities and composters – to create strategic partnerships and alliances focused on the definition of high-quality standards, their application and monitoring. The aim is to contribute as a case study to deepen the potential of Bioeconomy intended as territorial regeneration.



The life cycle of Mater-Bi

*"Decarbonization and protection of water quality and soil health are the main objectives of Novamont model. Soil regeneration must start with a responsible use of land, promoting the creation of new integrated value chains based on the diffusion of best practices, the sustainable use of biomass and the addition of organic matter. These restoration and mitigation actions must take place in synergy with the preservation of the functionality and fertility of soil, linked to its health".* Catia Bastioli, CEO of Novamont

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](mailto:paul.luu@4p1000.org)



TED TALK - March, 2017

« Soil-utions ? » - Claire Chenu - TEDx AgroParisTech

We tread it every day, and yet we never think about it... Claire Chenu invites us to « think soils » as they hold many solutions for tomorrow's planet. Geologist by education, Claire Chenu is Professor at AgroParisTech and member of the "4 per 1000" Initiative Scientific and Technical Committee. Watch the Ted Talk [here](#)

TED TALK - October, 2019

“What a Mother can do” - Alana Lea - TEDxAUP

Alana Lea tells the story of how North American school children offered their drops of creativity to replant a degraded rainforest in Brazil. [Alana Lea](#) is a Mother, Environmental Artist and Advocate. Her art has been exhibited at the Smithsonian and Museum of Natural History, COP21, COP22, COP23, as well as the Global Climate Action Summit. She's the founder of the [iGiveTrees project](#) which was recognized by the French Ministry of Environment as a citizen initiative that mitigates the effects of global warming. Watch the Ted Talk [here](#)

## The "4 per 1000" Initiative on social networks



Facebook Page: [4p1000 Initiative](#)

[www.facebook.com/4p1000](http://www.facebook.com/4p1000) or [fb.me/4p1000](https://fb.me/4p1000)

Facebook Group: [All 4p1000](#)

[www.facebook.com/groups/all4p1000](http://www.facebook.com/groups/all4p1000)



Linkedin : [4p1000 Initiative](#)

<https://www.linkedin.com/company/4p1000initiative/>



Twitter : [@4per1000 #4p1000](#)

[www.twitter.com/4per1000](http://www.twitter.com/4per1000)

***“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



## The “4 per 1000” Initiative: Soils for Food Security and Climate



### We are all concerned!

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

#### [Join the Initiative!](#)

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

### Any ideas, any suggestions...

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Please send an email to the Executive Secretariat:  
[secretariat@4p1000.org](mailto:secretariat@4p1000.org)



[www.4p1000.org](http://www.4p1000.org)