Commitments of stakeholders

1. Dr. Laura Hoijer, Director, BSAG, Carbon Action, Finland
2. Dr. Dionys Forster, Sourcing Lead, Nestlé, Switzerland
3. Mr. Stefan Jirka, Program Manager, Verra, USA
4. Mr. Lee Nelson, Program Manager, ACIAR, Australia
5. Mr. Michaël Ehmann, CEO, Nataïs, France
6. Dr. Deborah Bossio, Lead Soil Scientist, The Nature Conservancy, USA

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Baltic Sea Action Group / Carbon Action | Finland | Laura Höijer

Challenge(s) in our activity domain

To develop a measurement and verification system to determine the amount of carbon stored in the soil. Carbon sequestration, additionality, persistence, and carbon leakage should be determined scientifically.

Pillar 2, 4

IRC and our activity domain

Co-operation and co-creation in developing MRV system and knowledge. Our Field Observatory service illustrates the effects of carbon farming on Finnish farms, and the development of an international carbon sequestration verification system. With this service, we want to present the current state of science and envision the future possibilities of carbon sequestration: https://www.fieldobservatory.org/

https://carbonaction.org

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CARBON ACTION
STN MULTA

Commitments of stakeholders

1. Dr. Laura Hoijer, Director, BSAG, Carbon Action, Finland
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Nestlé S.A.| Switzerland | Dionys Forster

Soil

Processes in soils are complex and methods to assess GHG emissions incomplete, which makes trustful monitoring difficult. A standard for GHG MRV is urgently needed for the sector transformation towards Net Zero.

Pillar 3

IRC and our activity domain

Nestlé has a genuine interest in a standard for soil GHG MRV. The CIRCASA IRC would be highly welcome. If approved, Nestlé would considers supporting the consortium by piloting some of the innovations with suppliers and farmers.

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www.nestle.com

ecologic institute

Commitments of stakeholders

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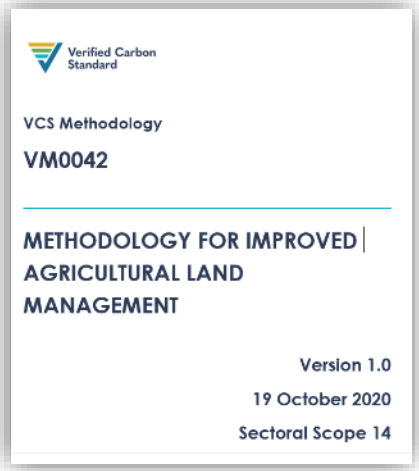
Verra | USA | Stefan Jirka

Challenge(s) in our activity domain

Quantifying SOC stock change across temporal and spatial scales with sufficient rigour and cost efficiency to comply with our VCS Program requirements and meet the needs of stakeholders seeking carbon offsets.

Verified Carbon Standard

Pillars 2, 3


Verified Carbon Standard

VCS Methodology

VM0042

METHODOLOGY FOR IMPROVED AGRICULTURAL LAND MANAGEMENT

Version 1.0

19 October 2020

Sectoral Scope 14

Verra and our activity domain

- Share details on VCS requirements for SOC projects e.g. MRV, uncertainty assessment
- Contribute ideas on SOC research needs to advance market actions e.g. SOC performance benchmarks for baseline setting
- Test SOC research agenda and outcomes in carbon market setting i.e. VCS Program

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https://verra.org/

VERRA

Commitments of stakeholders

1. Dr. Laura Hoijer, Director, BSAG, Carbon Action, Finland
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Australian Centre for International Agricultural Research | Australia | Lee Nelson

Challenges

Matching policy response to the science
Take the cost out of measurement
Whole greenhouse gas accounting (soils as a source and a sink)
Climate variability and climate change

Pillars 1 to 4

IRC and our activity domain

Australia's National Soils Advocate
Sharing knowledge and experience
Collaborating on science and methodology development

- Whole farm system carbon accounting protocols
- Reducing the cost of soil carbon measurement

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https://aciar.gov.au/
Check out this short video about who ACIAR is and what we do

ACIAR

Commitments of stakeholders

1. Dr. Laura Hoijer, Director, BSAG, Carbon Action, Finland
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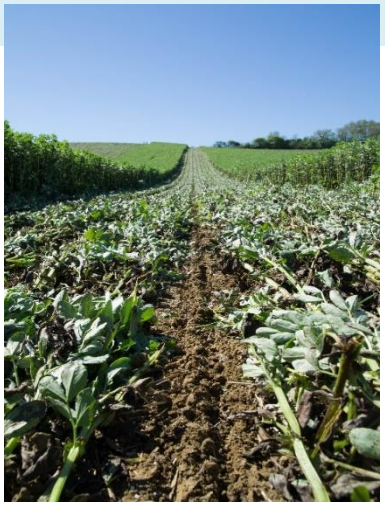
Commitments of stakeholders

Nataïs | France | Michael Ehmann



Challenge(s) in our activity domain

We empower our farmer-partners to commit, and to join the agroecological transition, by rewarding their environmental services such as sustainable carbon storage in their fields.

Pillar 3

IRC and our activity domain

For the past two years, Nataïs has been building a strong partnership with CESBIO in Toulouse . Our common goal is the development of a carbon footprint calculation method, thanks to modelling and remote sensing. This method, set up for popcorn could be applied to other crops and geographical contexts. This tool enables us to objectively measure carbon footprint data at the level of the agricultural parcel.

https://www.popcorn.fr/

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nataïs

Commitments of stakeholders

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Commitments of stakeholders

Closing the gap between potential and action

Healthy food production systems can contribute to climate change mitigation and saving nature. To realize this promise, we want to close the gap between the strong potential for soil carbon building and the weak action on the ground.

Pillars 1,2,3,4

IRC and Nature Conservancy programs

We are excited to contribute and translate the work of the IRC into action through our global network of food system projects. In this regard, improving enabling conditions for adoption is crucial. Frontier research to build confidence around what is possible, improved MRV to measure outcomes, and technological advancements will all help increase ambition.

Commitments of Global Initiatives

1. Dr. Ronald Vargas, Secretary, Global Soil Partnership, FAO
2. Mr. Hayden Montgomery, Special Representative, Global Research Alliance on Agricultural Greenhouse Gases (GRA)
3. Dr. Paul Luu, Executive Secretary, “4 per 1000” Initiative

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Commitments of global initiatives

1. **Dr. Ronald Vargas, Secretary, Global Soil Partnership, FAO**
2. Mr. Hayden Montgomery, Special Representative, Global Research Alliance on Agricultural Greenhouse Gases (GRA)
3. Dr. Paul Luu, Executive Secretary, “4 per 1000” Initiative

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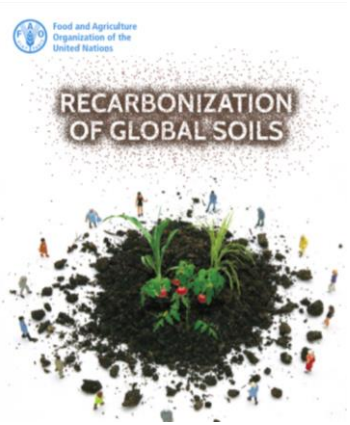
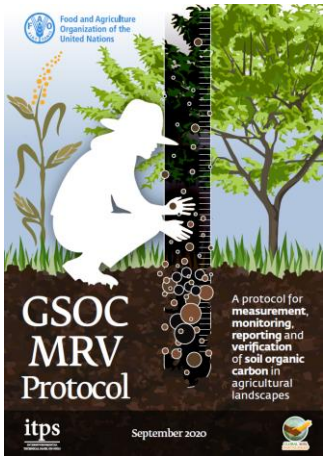
FAO| Italy | Ronald Vargas

Aim of the initiative

The Global Soil Partnership aims to promote sustainable soil management at all levels and through various channels including recarbonization of global soils.



Pillar 2/3



Our engagement with the IRC

We will benefit from targeted research on: a) cost and time effective methods and tools for SOC measurement on the ground (reduce uncertainty); b)network of observatories on actual productive farms using reference management practices (business as usual vs improved); c) use and improvement of our GSOC-MRV; d) Innovative practices to avoid emissions and foster sequestration.

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http://www.fao.org/global-soil-partnership/en/

Food and Agriculture Organization of the United Nations

GLOBAL SOIL PARTNERSHIP

Commitments of global initiatives

1. Dr. Ronald Vargas, Secretary, Global Soil Partnership, FAO
2. **Mr. Hayden Montgomery, Special Representative, Global Research Alliance on Agricultural Greenhouse Gases (GRA)**
3. Dr. Paul Luu, Executive Secretary, “4 per 1000” Initiative

Aim of the initiative

We bring countries together to increase cooperation in research activities to help reduce the emissions intensity of agricultural production systems and increase their potential for soil carbon sequestration.

Pillars 1 - 4

- Croplands
- Integrative
- Livestock
- Paddy Rice

Our engagement with the IRC

- A coordinated agenda addressing strategic research priorities, ensuring high scientific rigour will benefit all.
- GRA brings national governments and their associated research institutions to the table – with a direct link to the NDC process.
- Development of low-cost, high quality SOC monitoring systems at national level is a priority.

Commitments of global initiatives

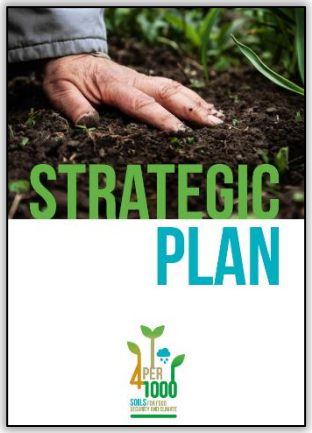
1. Dr. Ronald Vargas, Secretary, Global Soil Partnership, FAO
2. Mr. Hayden Montgomery, Special Representative, Global Research Alliance on Agricultural Greenhouse Gases (GRA)
3. **Dr. Paul Luu, Executive Secretary, “4 per 1000” Initiative**

CIRCASA

“4 per 1000” Initiative| France | Paul LUU

Aim of the “4 per 1000” International initiative

With its 560 partners & members, this Initiative is one of the leading international multi-stakeholder partnerships promoting soil carbon sequestration and soil health to fight climate change (through adaptation and mitigation) and food insecurity.



Pillars 2, 3, 4

Our engagement with the IRC

By its links with the Initiative, the IRC will provide the coordination, cooperation and scientific responses needed by the partners and members of the Initiative for their projects and achievements in the field.

In return, IRC will benefit from privileged access to different categories of actors outside the scientific world, starting with farmers who are at the center of soil carbon sequestration.

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www.4p1000.org