



Current status



Suzanne Reynders, PhD (INRAE-CODIR)

- INRAE Head of the International Priority Program – Soil and Climate
- ORCaSa PI
- Executive Director of the “Secretariat of the Soil Carbon IRC”



Mathieu Nogues, MSc (INRAE-DRI)

- ORCaSa project manager



Cloe Paul-Victor, PhD (INRAE-UMR Innovation)

- Coordination & Management team of ORCaSa & MARVIC



The ORCaSa project has received funding from the Horizon Europe Programme under grant agreement n° 101059863.

- To support the **Paris Agreement on Climate Change**, the **European Green Deal** & the objectives of the **4 per mille international initiative**.
- **An international research consortium (IRC) prepared by the ORCaSa project funded by Horizon Europe to:**
 - **Raise awareness and science-based knowledge on soil carbon,**
 - **Benefit international research cooperation** and worldwide stakeholders,
 - **Help ensure that all types of land use** contribute to climate change mitigation and adaptation while improving soil health,
 - **Give access to research outputs** through an open online knowledge portal,
 - **Gather the international community on MRV and propose co-constructed MRV methodologies.**
- **12=6+6 partners in the core consortium:** INRAE (FR), CNRS (FR), Cirad (FR), ANR (FR), ISRIC (NL), ARCTIK (BE), Vizzuality (ES), FARA (GHA), CSU (USA), CSIRO (AU), EMBRAPA (BRA), SFRI (VNM).
- **Launched on November 2023 in Madrid** in the context of the Soil Mission of the European Commission.

Some background context...

2017- 2021



2022- 2025



ORCaSa



Launched during
Soil Mission Week
21/11/2023



Soil Carbon
International Research Consortium



EUROPEAN UNION

Soil Carbon IRC
launched in Nov 2023

EUROPEAN MISSION SOIL WEEK

Participants : 373 in
person & 600 online

Speakers



Kerstin Rosenow

Head of Unit
Research & Innovation
DG AGRI



Christian Holzleitner

Head of Unit
Land Economy and Carbon Removals
DG CLIMA



**Jean-François
Soussana**

Vice-President International
INRAE



Suzanne Reynders

Head of Unit
International priority
program Soil and climate
INRAE



Fenny Van Egmond

Soil sensing and soil
information specialist
ISRIC

#MissionSoilWeek #MissionSoil #EUMissions



Soil Carbon

International Research Consortium

co-constructed roadmap

10.02
2021

IRC governance structure being proposed and presented to stakeholders at two dedicated workshops

15.02
2023



2 ONLINE WORLD CAFES
Governance, SC IRC services

21.11
2023



...
Co-construction with IRC Parties

By August
2025

Soil Carbon IRC Roadmap

CIRCASA final event

- > 370 registered stakeholders
 - > Commitments of stakeholders (Nestlé, Verra, ACIAR, GRA, 4/1000, GSP, ...)
- on February 10th 2021

01 & 03.09
2021

Soil Carbon IRC Mission and Vision discussed with stakeholders at World café

07 & 08.11
2023

Launch of Soil Carbon IRC during the Soil Mission Week (Madrid, Spain)

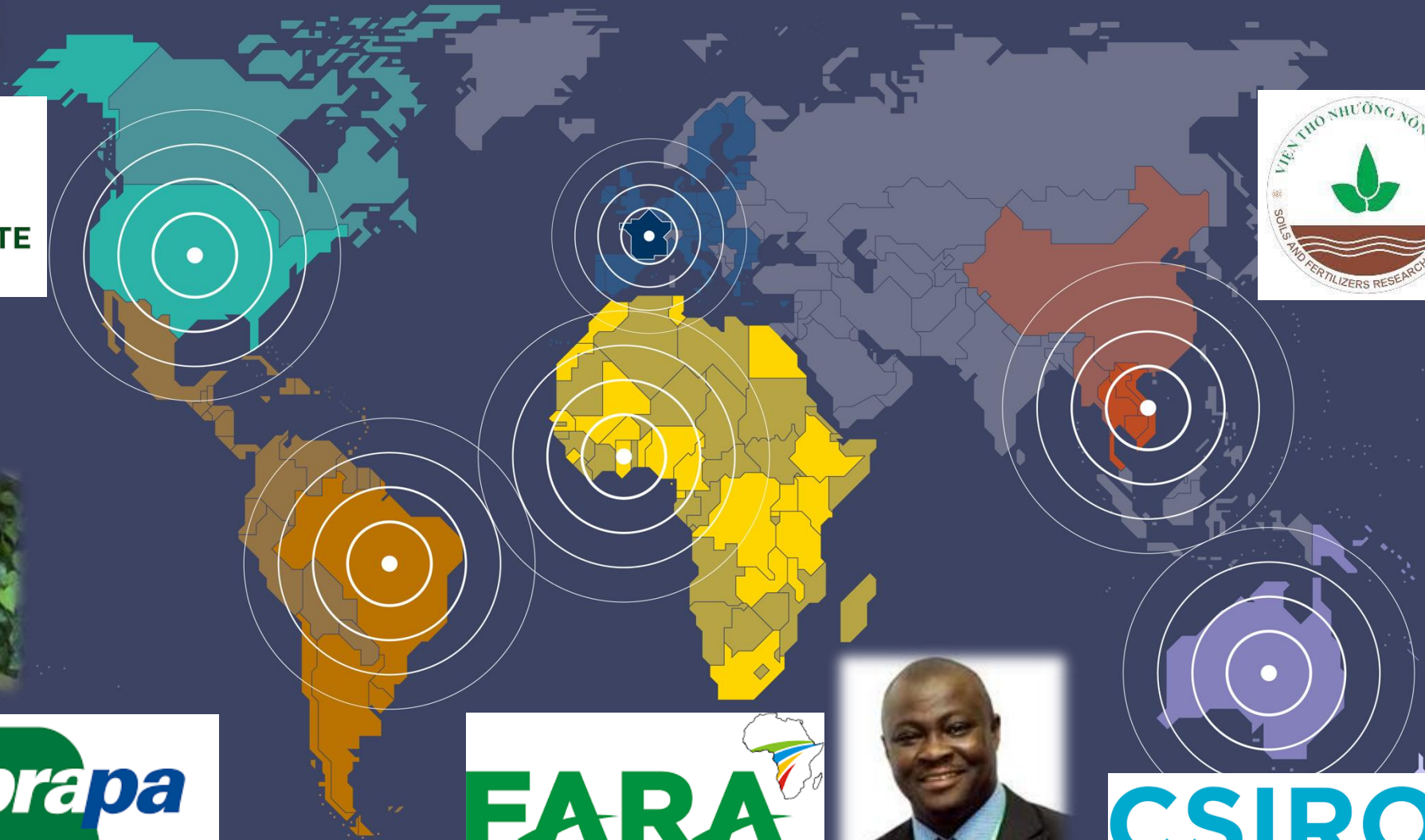


Soil Carbon IRC

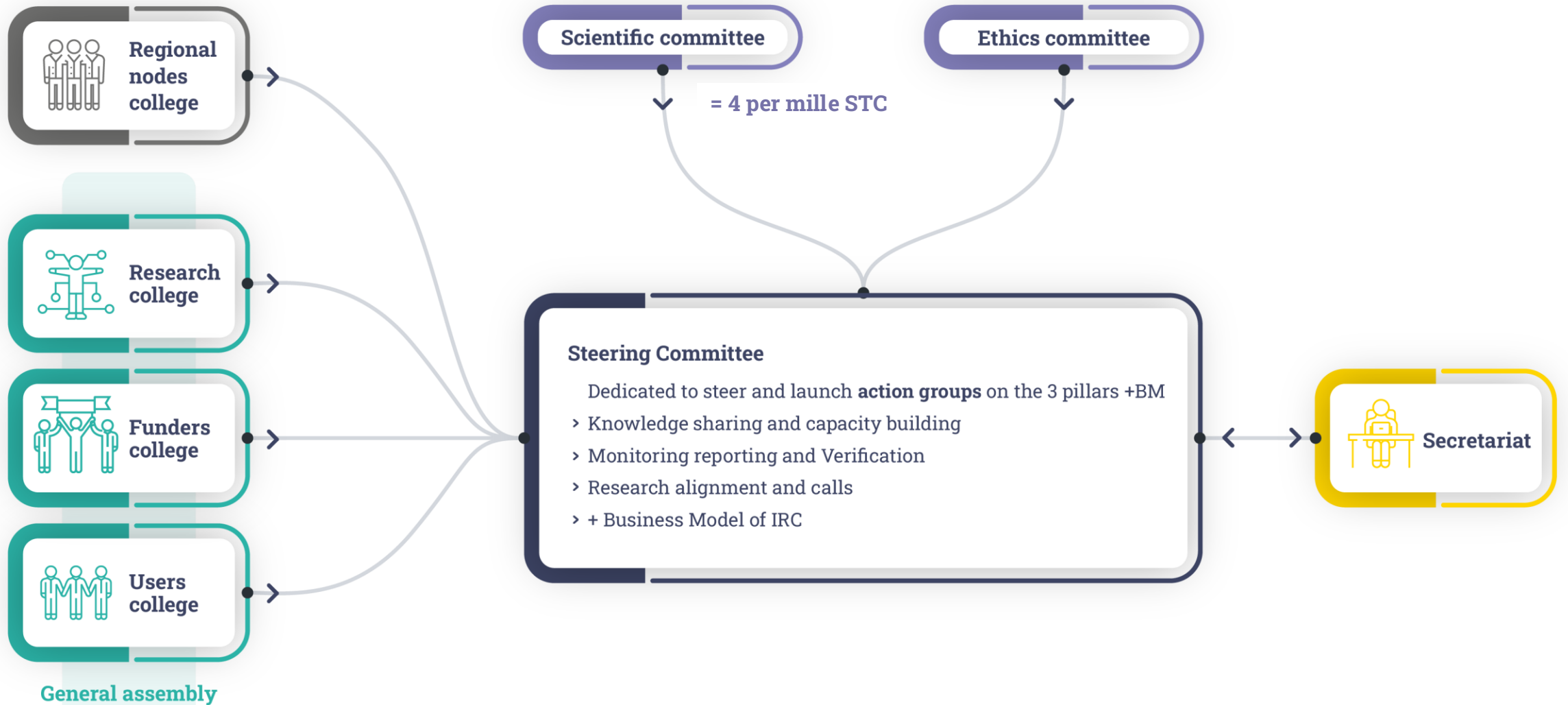
- > Governance and business model
- > Open Knowledge Platform
- > Community Building
- > SRIA with all land use types
- > Synergies and funding for research and innovation activities
- > Monitoring Reporting and Verification MRV harmonization



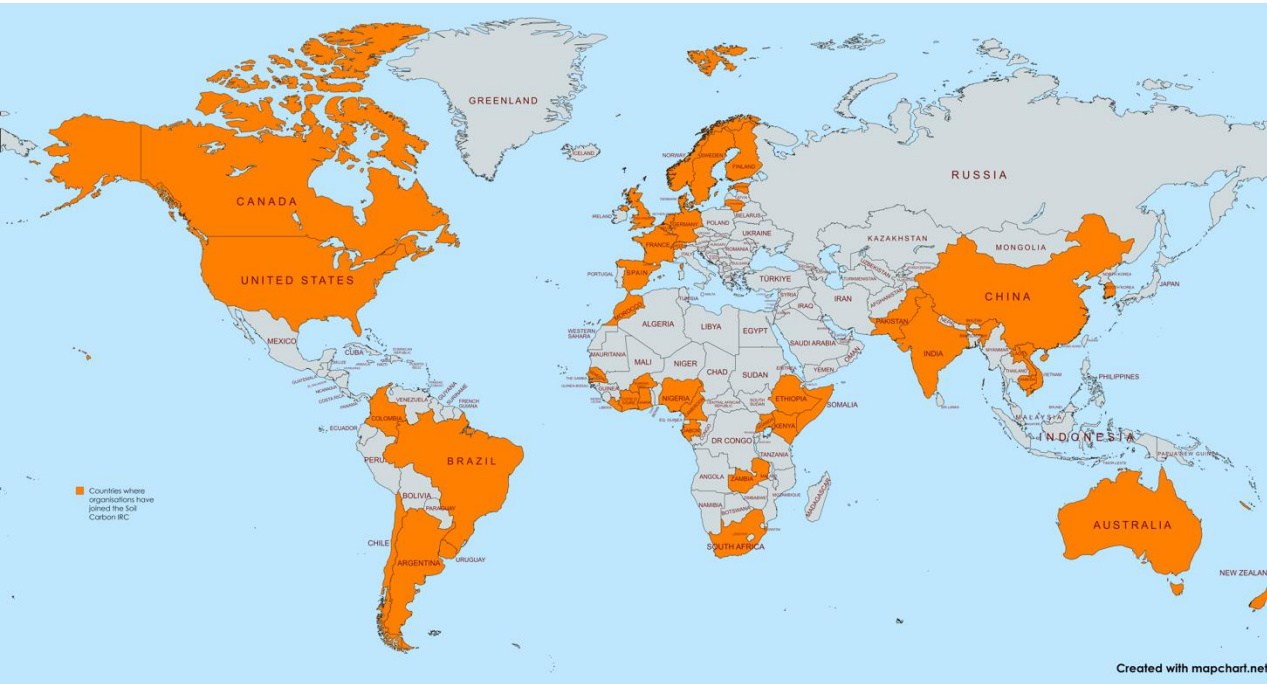
Our Regional Nodes Ambassadors



Soil Carbon IRC Governance



101 Signatories of the letter of interest in 44 countries



Number of signatories	103
a) Number of individual experts	28
b) Number of representatives of their organisation	75
a) Number of Researchers	74
b) Number of funders	4
c) Number of end users	25
Number of countries where organisations have signed	46

Join now!



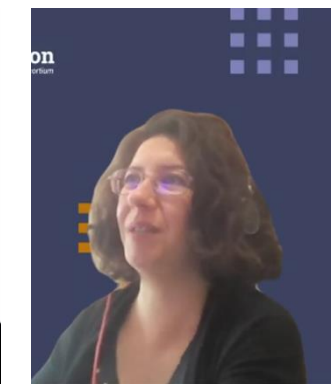
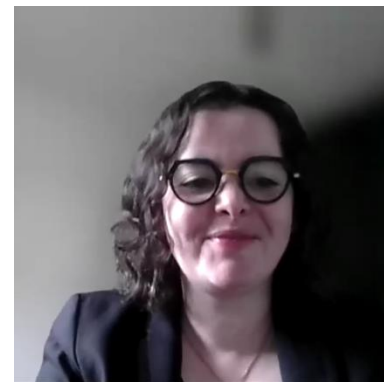
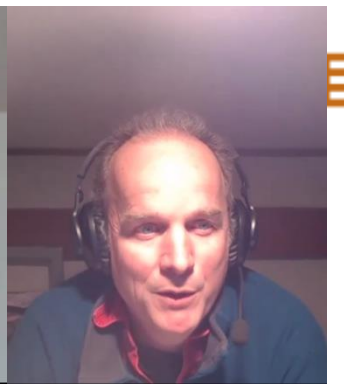
<https://irc-orcasa.eu/join-the-soil-carbon-irc/>

Interim Steering Committee composition

We tried to have :

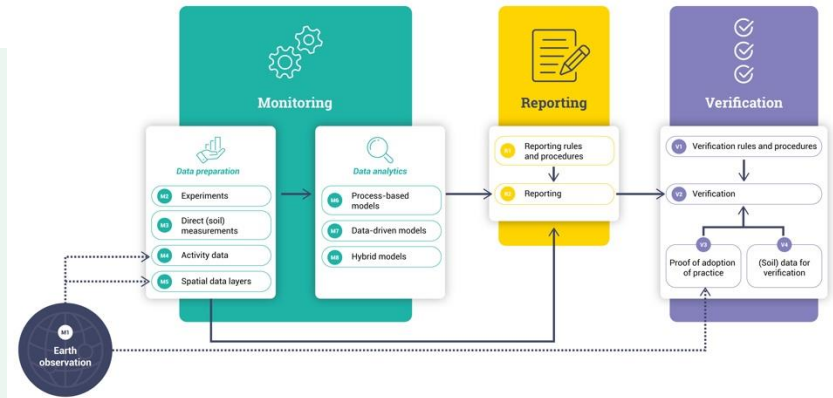
- a gender balance,
- a good geographical representation
- and a distribution between the different colleges (research, funders, users)

Name	Organisation
Jean-François Soussana [Co-chair]	INRAE
Paul Luu [Deputy chair of JFS]	4p1000
Deborah Bossio [Co-chair]	The Nature Conservancy
Natalia Rodriguez [Deputy chair of DB]	FAO/GSP
Bruno Basso	Michigan State University
Wenfeng Cong	China Agricultural University
Ana Paula Dias Turetta	EMBRAPA
Amina Galiano	Deloitte
Christian Holzleitner	DG clima
Arwyn Jones	JRC
Mila Luleva	Rabobank
Ben Mac Donald	CSIRO
Matthias-Leonhard Maier [observer]	Soil mission secretariat
Philippe Maisongrande	CNES
Prudence Makhura	National Research Foundation, South Africa
Tran Minh Tien	Soils and Fertilizers Research Institute, Hanoi, Vietnam
Chirinda Ngonidzashe	UM6 P (Morocco)
Carlos Eduardo Pellegrino Cerri	University of Sao Paulo (Carbon Center)
David Schimmel	NASA
Louis Verchot	CGIAR - Mitigate+
Daniel Vidal Perez	EMBRAPA
Justin Zahra	EDF: Environmental Defence Fund
Oluwole Fatundi	FARA



Three main services in preparation

An internationally harmonized MRV framework to raise awareness and develop scientific knowledge and methods on how to Measure, Report and Verify soil carbon stock changes in various contexts of application (Offsetting, Insetting, NDC's, CAP...)

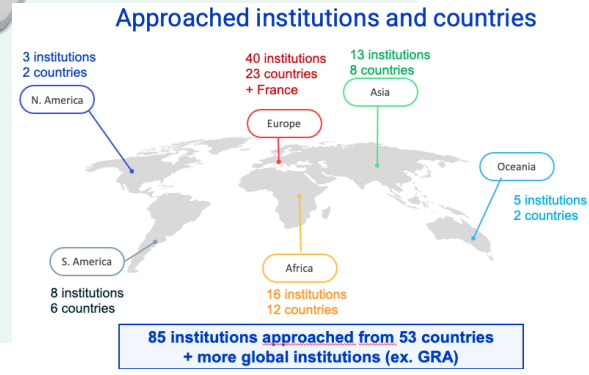


The **Impact4Soil** platform to drive cooperation and knowledge sharing on soil carbon at international level.

5 modules: maps (visualization of carbon stock and evolution over time), scientific evidence (from metanalysis), practices (from verified sources), data (from scientific repositories), network of initiatives and stakeholders.



A Research alignment and calls program through an aligned Strategic Research and Innovation Agenda considering all types of land use in each region; and through Knowledge hub and Thematic Annual Programming activities to facilitate international collaboration between projects for the Soil Carbon IRC members.



Services in development : how to collaborate with us?

Harmonized MRV framework

- MRV : Share the experience on how to monitor, report and verify soil carbon stock changes : an international co-construction approach
- We encourage international collaboration and build an international network

Impact4Soil platform

- Make YOUR projects & networks more visible thanks to IMPACT4SOIL platform
- Valorise your own dataverses or datasets scientifically proved while ensuring your intellectual property rights

SRIA & co-funded calls

- Contribute to an international Strategic Research & Innovation Agenda and vote for the priorities
- Align funding agencies calls so that 10% of the funds can enhance exchanges between projects internationally



Harmonized MRV framework

Work Package lead : Eric Ceschia – INRAE

Contributors : Ahmad Al Bitar – CNRS, Patrice Dumas – CIRAD, ...



- Webinar with international participation
- Review of current MRV initiatives for soil carbon stock change assessment and associated methodologies
- Deliverable 4.1 '[International review of current MRV initiatives for soil carbon stock change assessment and associated methodologies](#)'
- New paper : Towards a modular, multi-ecosystem Monitoring, Reporting and Verification (MRV) framework for soil organic carbon stock change assessment"
<https://doi.org/10.1080/17583004.2024.2410812>



CARBON MANAGEMENT
2024, VOL. 15, NO. 1, 2410812
<https://doi.org/10.1080/17583004.2024.2410812>



REVIEW ARTICLE

OPEN ACCESS [Check for updates](#)

Towards a modular, multi-ecosystem monitoring, reporting and verification (MRV) framework for soil organic carbon stock change assessment

Niels H. Batjes^a, Eric Ceschia^b, Gerard B.M. Heuvelink^c, Julien Demeoisd^{c,d}, Guericc le Maire^{e,f}, Rémi Cardinael^{c,d,g}, Cristina Arias-Navarro^h and Fenny van Egmond^a

^aISRIC – World Soil Information, Wageningen, The Netherlands; ^bCESBIO, Université de Toulouse, CNES/CNRS/INRAE/IRD/UT3, Toulouse, France; ^cCIRAD, UPR AIDA, Montpellier, France; ^dAIDA, Univ Montpellier, CIRAD, Montpellier, France; ^eCIRAD, UMR Eco&Sols, Montpellier, France; ^fEco&Sols, Université de Montpellier, CIRAD, INRAE, Institut Agro, IRD, Montpellier, France; ^gPlant Production Sciences and Technology, University of Zimbabwe, Harare, Zimbabwe; ^hJoint Research Centre (JRC), European Commission, Ispra, Italy

ABSTRACT

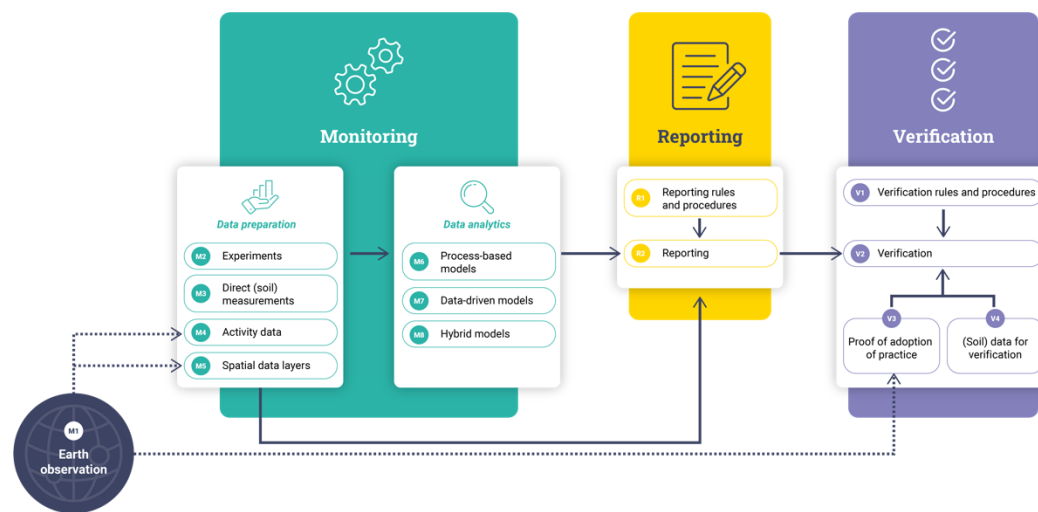
Soils are the largest terrestrial reservoir of organic carbon, yet they are easily degraded. Consistent and accurate monitoring of changes in soil organic carbon stocks and net greenhouse gas emissions, reporting, and their verification is key to facilitate investment in sustainable land use practices that maintain or increase soil organic carbon stocks, as well as to incorporate soil organic carbon sequestration in national greenhouse gas emission reduction targets. Building up on an initial review of monitoring, reporting and verification (MRV) schemes with a focus on croplands, grasslands, and forestlands we develop a framework for a modular, scalable MRV system. We then provide an inventory and classification of selected MRV methodologies and subsequently “score” them against a list of key characteristics. It appears that the main challenge in developing a unified MRV system concerns the monitoring component. Finally, we present a conceptual workflow that shows how a prototype for an operational, modular multi-ecosystem MRV tool could be systematically built.

ARTICLE HISTORY

Received 28 March 2024
Accepted 24 September 2024

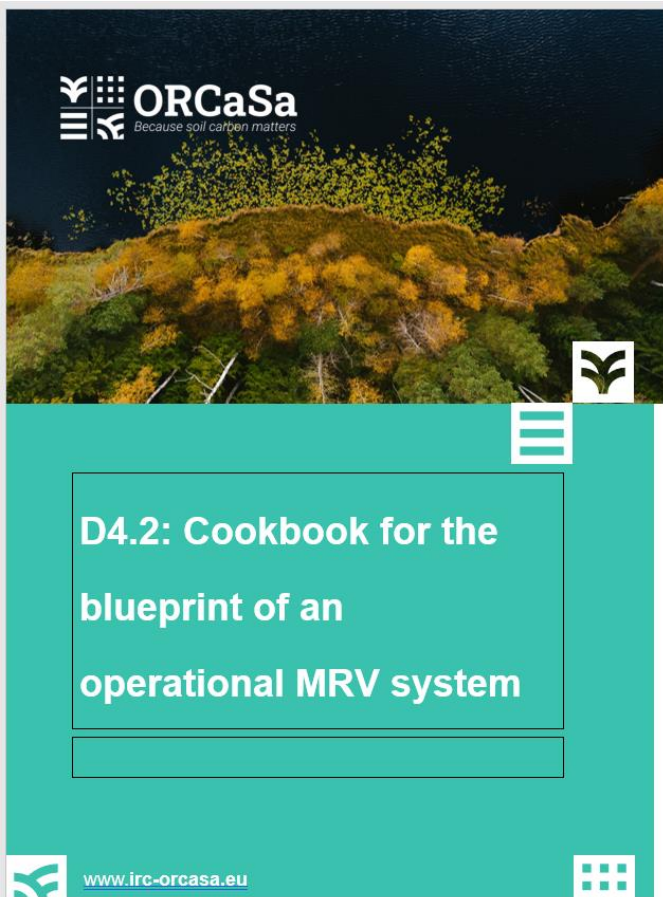
KEYWORDS

Carbon sequestration; climate change mitigation; sustainable land management; carbon accounting; monitoring framework



Proposition of a generic MRV framework: schematic representation of the components/building blocks and information flow

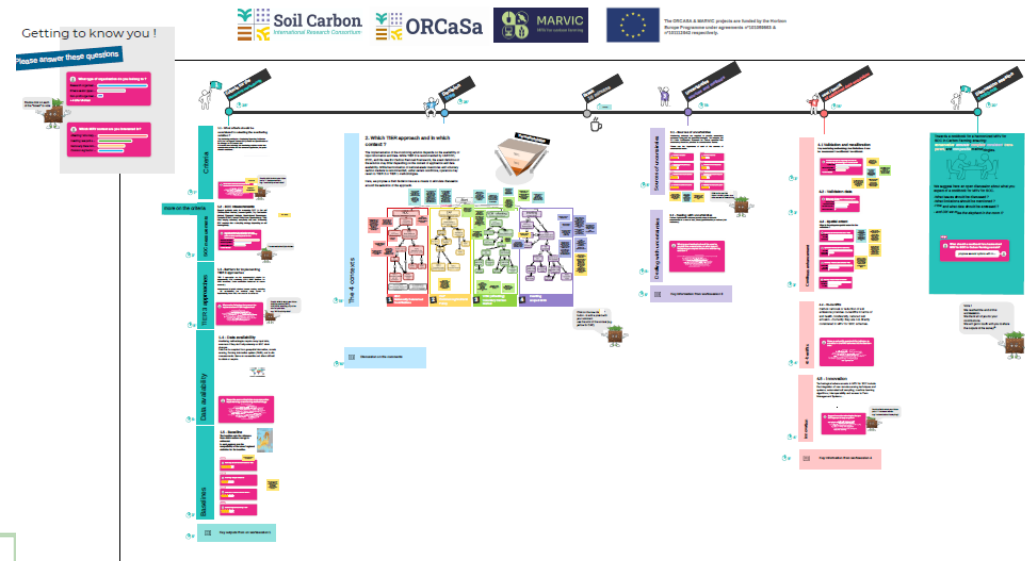
Draft of the cookbook: to be finalised by the end 2024



Organisation of two JOINT ORCaSa/MARVIC co-creative workshops on the Monitoring methodologies

- the 24th of April 2024 (MS11) with the Pacific, Asian, African and European stakeholders,
- the 25th of April 2024 with the European, African and American (South and North) stakeholders

Joint ORCaSa/MARVIC Workshop on Monitoring Cropland Soil Organic Carbon stock changes



Lead



Contributors





Impact4Soil platform

Work Package lead : Emilie Vrot– CIRAD

Contributors : CIRAD, Vizzuality

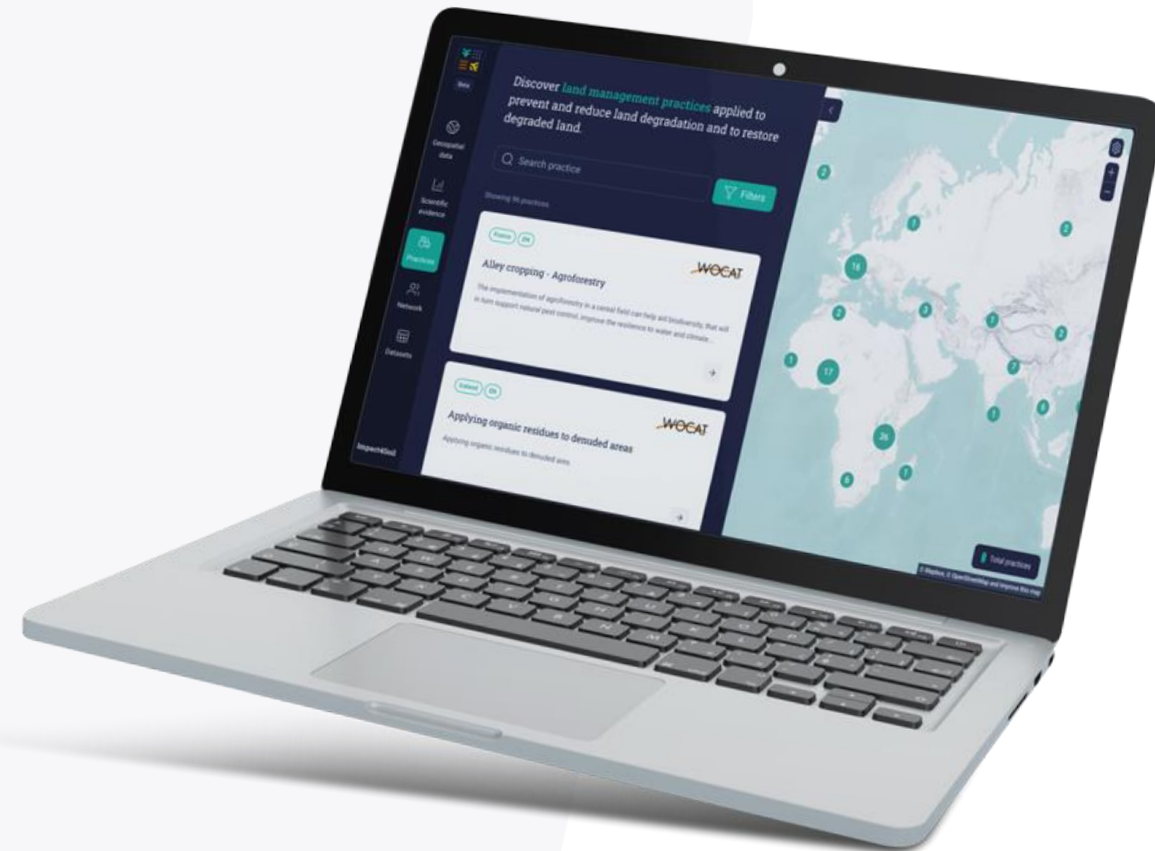


Impact4Soil

A science-based, aggregative and cooperative platform

Our objectives :

- To align research effort at the international level
- To avoid duplication of data
- To highlight regions or practices that have received limited research attention
- To give science-based evidence for decision makers to let soil carbon sequestration become a reality.
- To foster collaboration and deepen connections





Impact4Soil

Geospatial data

Scientific evidence

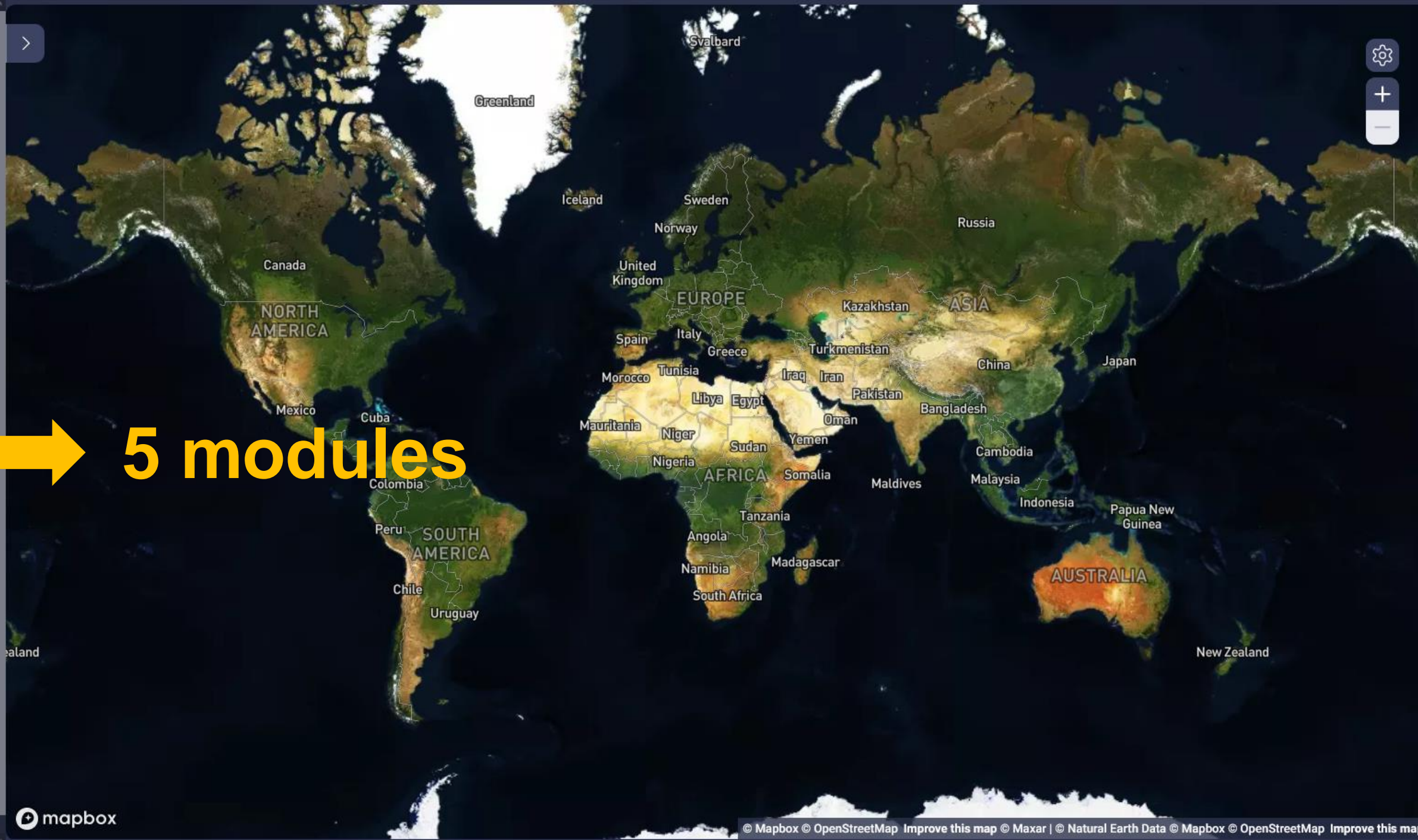
Practices

Network

Datasets

Survey

5 modules



mapbox

© Mapbox © OpenStreetMap Improve this map © Maxar | © Natural Earth Data © Mapbox © OpenStreetMap Improve this map

 **5 modules**

Geospatial
data



Scientific
evidence



Network



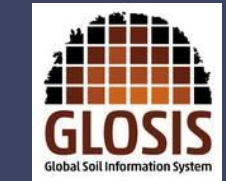
Datasets



Practices


➔ 5 modules

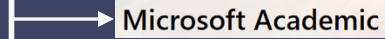

Geospatial data




MRV results (WP4)




Scientific evidence



(...)


Network

Projects and research activities identified in




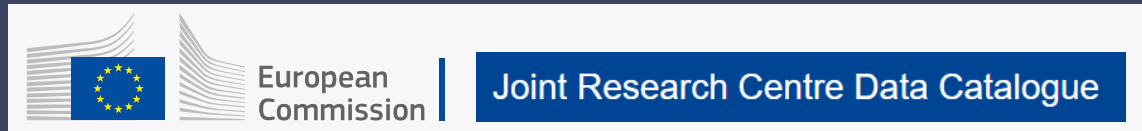
Members of




Projects from the




Datasets




Practices



A 23 minutes video explaining how to use Impact4soil



<https://vimeo.com/957101439?share=copy>

A survey to enhance Impact4soil with us

We invite you to complete a short online survey (5 to 10 minutes) to share your feedbacks in order to improve Impact4Soil's functionalities :

<https://groupes.renater.fr/limesurvey/index.php/622186?lang=en>

Test Impact4Soil !



www.impact4soil.com

Give us your feedback :
impact4soil@groupes.renater.fr



SRIA : Strategic Research and Innovation Agenda

Work Package lead : Delphine Derrien – INRAE,

Contributors: Laure Bamière – INRAE , Julien Demenois - CIRAD



Compilation of some existing SRIAs

		Peatland EU Agenda 07/2024	CCARBON 2023	2023 - LIFE CarbonCounts project	CIRCASA	EJP Soil Roadmap	Soil Mission Support	"Accelerating decarbonization in the USA : technology, policy, and	4p1000	Assises de la RDI en Agriculture Grand Est	Atelier International sur la Préservation et la restauration des Sols Forestiers en Afrique de	TSARA "Sols et Climat"	Carbone des Sols pour une agriculture durable en
Processes	of C stabilisation / reversibility/ permanence of C stock	no	no	yes	yes	yes	yes	yes	no	no	no	no	no
	role of biodiversity, management of biodiversity, omics, impact	no	yes	no	yes	yes	yes	yes	yes	no	no	no	no
	deep soil	no	no	no	no	no	yes	no	no	no	no	no	no
	pedoclimate	yes	yes	yes	no	no	no	no	no	no	no	no	no
	stoichiometry	no	no	no	yes	yes	yes	no	no	no	no	no	no
Practices	impact of soil sustainable practices on C...	no	yes	yes	yes	yes	yes	yes	yes	no	yes	yes	yes
	reforestation of marginal/degraded lands	no	yes	no	no	no	no	no	no	no	no	no	no
	biomass input (location / form / timing / pretreatment (biocha	no	no	yes	yes	yes	no	yes	no	yes	no	no	no
	impact of CC on plant input	no	yes	no	no	no	no	no	no	no	no	no	no
	optimal waste reuse/management (process chain)	no	yes	no	no	no	no	no	no	no	no	no	no
	C and GHG leakage	no	yes	yes	no	yes	no	yes	no	yes	no	yes	no
	plant breeding	no	yes	no	yes	no	no	yes	no	yes	no	yes	no
	animal husbandry (reduce enteric fermentation : feed quality :	no	yes	no	no	no	no	no	no	no	no	no	no
Monitoring	data acquisition / monitoring (soil /GHG / plant / history of practices)	yes	yes	yes	yes	yes	yes	yes	no	yes	yes	yes	yes
	data organisation, harmonization & sharing	no		yes	yes	yes	yes	yes	yes	no	no	yes	yes
	long term site	no	yes	yes	yes	yes	yes	yes	no	no	no	yes	yes
	pilot farms	yes	yes	yes	no	no	no	no	no	no	no	no	no
	regional network of plots (ramp-up / scale up)	yes	yes	yes	no	no	no	no	no	no	no	no	no
	ecosystem services / trade off evaluation	no	yes	yes	no	yes	yes	yes	yes	yes	no	no	no
	achievable C storage	no		no	yes	yes	yes	no	no	no	no	no	no
	precision machinery, sensors, cost effective technologies	yes	yes	yes	yes	no	no	no	no	no	no	no	no
	remote sensing	yes	yes	yes	yes	yes	yes	yes	no	no	no	no	no
	predictive model to evaluate the impact	yes	yes	yes	yes	yes	yes	yes	yes	no	no	no	no
	indicator	yes	no	no	no	yes	yes	yes	yes	yes	yes	yes	no
	MRV tools (harmonized)	yes	yes	yes	yes	yes	yes	yes	yes	yes	no	yes	yes
Economics and social sciences	barriers in the adoption of sustainable practices (social, financial)	no	no	no	yes	yes	no	yes	yes	no	yes	no	no
	barrier to shift in food consumption	no	no	no	no	no	no	yes	no	no	no	no	no
	Economics (market diversification/income/incentives/certification)	yes	no	-see more be	yes	yes	yes	yes	yes	yes	yes	no	yes
	enabling environment / policy (solution to multiples challenges)	yes	no	-see more be	yes	yes	yes	yes	yes	yes	yes	no	yes
Capacity building	education (knowledge portail : showcase, knowledge, mapping)	yes	yes	no	no	yes	no	yes	yes	no	yes	yes	yes
	capacity building (dvl les compétences)	no	yes	no	yes	yes	no	yes	yes	no	yes	no	yes
	narrative of successful stories, positive experiences	yes	no	yes	no	no	no	no	yes	yes	yes	no	no
	mobility	no	no	no	no	no	no	no	yes	no	no	yes	no
	marché financiers C, systemes de compensation	yes	no	no	no	no	yes	no	yes	yes	yes	no	no
	networking/collaboration	no	yes	no	no	yes	no	no	yes	no	yes	yes	yes
	tool kit	yes	no	no	no	no	no	no	yes	no	no	no	no
	common language	no	no	no	no	no	no	no	yes	no	no	no	no

Approach for the Establishment of a Strategic Research and Innovation Agenda

SRIA which is region-specific, land-use specific and end-user specific .

Building on existing roadmaps and research agendas + on the literature (Beillouin et al 2022, 2023; brainstorming of the French network CarboSMS published in Derrien et al., 2023)

- ⇒ **Complete the existing basis during regional workshops involving scientists and various type of stake-holders**
- ⇒ **Request of justifications for the priorities listed by the workshop participants**
- ⇒ **Specific workshops will be organised for economics and social question related to C in soil**

Approached institutions and countries for thematic Annual Programming



3 institutions
2 countries

N. America

40 institutions
23 countries
+ France

Europe

13 institutions
8 countries

Asia

Oceania

5 institutions
2 countries

S. America

8 institutions
6 countries

Africa

16 institutions
12 countries

**85 institutions approached from 53 countries
+ more global institutions (ex. GRA)**



Communication at events

Carbon Farming Summit Dublin March 2025

Soil Carbon Research Symposium Rio June 2025



Communication & Network

- Soil Mission Week Madrid Nov 2023
- IUSS Florence 19-22 May 2024
- EJP science days 10-14 May 2024
- SPAC Conference Kigali 29-31 July 2024
- JRC conference 3-4 October 2024
- Conference EES (European Environment Agency) & ESA (European Space Agency) Copenhagen 7-11 October 2024
- Conference 4°/°° Rabat 21-25 October 2024
- Expert Group CRCF Bruxelles 21-23 October 2024
- GRA Conference GHG Berlin 24 October 2024 Side event et IRG Integrative Research Group
- Soil Mission Week Bruxelles 12-14 November 2024
- Carbon Farming Summit Dublin 4-6 March 2025
- Brazil Symposium, Rio 23-28 June 2025

MRV in relation with US partners

INRAE (Eric Ceschia) represented ORCaSa at 2 workshops in Pasadena (USA) in 2023 and 2024

KISS workshop on Managing Soil Organic Carbon for Climate Change Mitigation - Multiscale Quantification Through Remote Sensing, AI and Biogeochemical Models

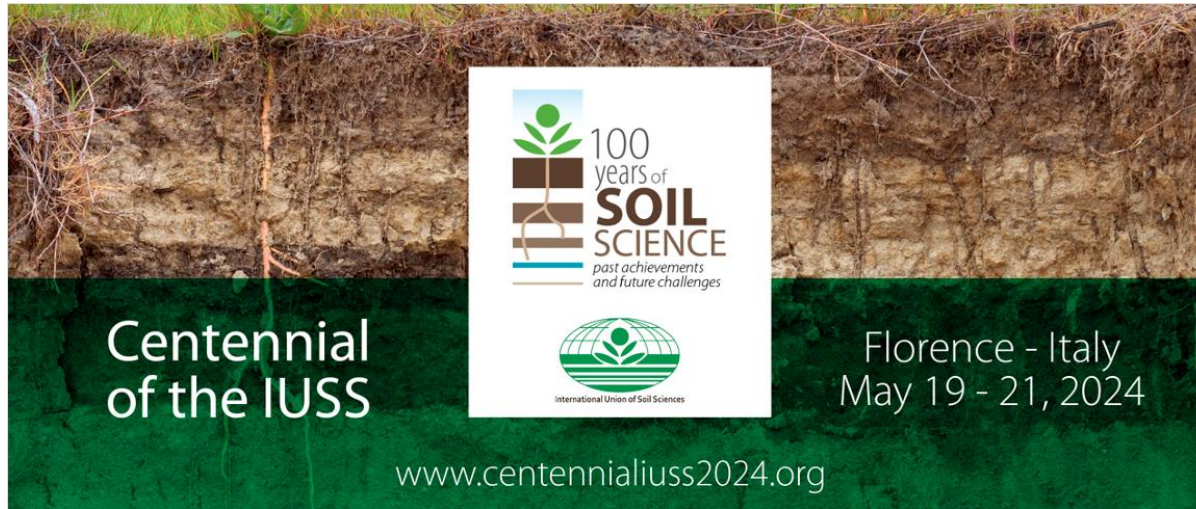


With participants such as :

- Keith Paustian (CSU)
- Steven Mirsky (USDA)
- David Schimel (NASA)
- Bruno Basso (MSU)



We were at IUSS!



3 oral presentations and 1 poster

- Proposition for a methodological framework and prototype MRV tool for cropland C stock change assessment at high resolution over large regions
- Impact4Soil: the online platform boosting international research collaboration»
- A global meta-analysis of soil organic carbon in the Anthropocene



Join the Soil Carbon International Research Consortium

Dr Suzanne REYNDERS (INRAE) and the ORCaSa consortium (suzanne.reynders@inrae.fr)

3 main services



See also presentation:
• Proposition for a methodological framework and prototype MRV tool for cropland C stock change assessment at high resolution over large regions - in session «Advances in soil health monitoring», 20 May 2024, 14:30-15:30, presentation #3.



See also presentations:
• Impact4Soil: the online platform boosting international research collaboration - in session «Boosting Global Soil Science Collaboration: Fostering Equity, Decolonization, and Capacity Strengthening», 20 May 2024, 12:00-13:00, presentation #4.
• A global meta-analysis of soil organic carbon in the Anthropocene - in session «Soil carbon sequestration and land use changes», 20 May 2024, 9:30-10:30, presentation #2.



the Soil Carbon IRC road map

ORCaSa (2022-2025) is a Horizon Europe project which aims to establish the first Soil Carbon International Research Consortium (IRC). The need for such an entity emerged during CIRCASA project (2017-2021). With 60-70% of the EU's soil in poor health, ORCaSa contributes directly to the Soil Deal for Europe and the Green Deal. By August 2025, the IRC should be fully operational.



Scan the code to explore the poster

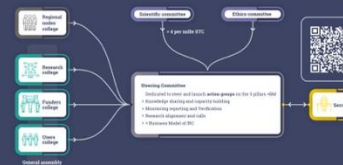


Launched in Madrid during the EU Soil Mission Week



IRC governance structure

At the heart of the Soil Carbon IRC, there will be common values to promote and encourage information sharing and access to research outputs on soil carbon, but also transparency in sources and publications. Three colleges (research, funders, or users) will be created in addition to the college for regional nodes. Each college will have elected representatives who will sit on a steering committee – the decision-making body of the IRC – to work on the strategy and resources to be mobilised and allocated. A general assembly will be organised annually to further discuss the strategy.



Interested in joining the IRC? Flash this code!



www.irc-orcas.eu



Sept. 26th 2024 Brussels MRV Policy workshop

- Gathers different actors (policy makers, end-users, researchers, NGO, certifications organisations) involved in or linked to Carbon Certification Schemes
 - Presenting private as well as public schemes (US & Australia) for Carbon Certification
 - European context with the planned regulations for carbon certification and the Soil Mission
 - Objective : Produce a Policy Brief
-
- 60 on site registered
 - 180 online already registered / 80 present
-
- **Very positive feedbacks from the CRCF expert group and the GRA on GHG !!!**



As part of the soil carbon family, join us!


If you are an ORCaSa sister project or a Soil Carbon International Research Consortium (IRC) related initiative, this workshop may be of interest to you!

In the framework of the Soil Carbon IRC, the ORCaSa project is organising a workshop that will take you from Brussels to Australia, the US, the Pacific and Europe 🌐... to explore the **international public and private carbon certification schemes** 🌱

This event is also an opportunity for **experts and policymakers** to meet, exchange ideas, and make progress in the field of soil carbon policy.

Moreover, the results will be used to **draw up a policy brief**. Indeed, to achieve the objectives of the Paris Agreement on climate neutrality, to support the EU Green Deal and the objectives of the EU Soil Mission, **Europe must coordinate its research and innovation efforts on soil carbon** with international stakeholders and policymakers.

Please feel free to forward this invitation to the relevant partners you work with and also to relay the information through your communication channels.

 **9AM until 1PM**

 **Comet Meetings Louise**

Place Stephanie, 60
1050 Brussels (Belgium)

Agenda

Policy Workshop on International Carbon Certification Schemes

26 SEPTEMBER 2024 | 9AM TO 1 PM

09:20-11:00	ORCaSa & the Soil Carbon International Research Consortium (IRC) , an overview. Suzanne Reynders , INRAE, Coordinator
	European context: Certification Framework for Carbon Removals and Carbon Farming. Christian Holtzleitner , Directorate-General for Climate Action, European Commission
	Private scheme in USA. An Overview of the Agricultural Carbon Market in the U.S.: Methods, Regulations, and Key Players. Bruno Basso , Michigan State University, USA.
	Public schemes in the USA Amy Swan , Colorado State University, USA.
	National policy in Australia. How is it working for the last 10 years? how it is linked to research? Senani Karunaratne , Commonwealth Scientific and Industrial Research Organisation, Australia.
	Pacific region context Ben Mac Donald , Commonwealth Scientific and Industrial Research Organisation, Australia.
	Soil Mission Board. EU Soil Mission for healthy soils promoting soil carbon stocks. Liisa Pietola , Expert Board member of the EU Mission Soil deal for Europe, The Finnish Innovation Fund Sitra, Finland.
11:00-11:30	Coffee break
11:30- 13:00	Discussion & debate Moderated by Jean-François Soussana , Vice-President International, INRAE & Edouard Lanckriet , Strategy Director and carbon farming expert, Agrosolutions.
13:00- 15:00	Networking lunch at Comet Meetings Louise

European Carbon Farming Summit - 5 sessions submitted

Topic 1 : Carbon farming practices for land managers

- **Feedback from the field:** how to put in place carbon farming on a farm? What motivates farmers to implement such practices? (Idele, Teagasc, Climate-KIC, Consulai, INRAE)
- **Carbon farming practices in cattle and arable farming:** theory, simulation and implementation. (INRAE, Arvalis, Teagasc, Agrosolutions, Terres Inovia)

Topic 2 : Rewarding mechanisms for impactful climate actions

- **Avoiding barriers to carbon farming projects in agriculture financing** (I4CE – Institute for Climate Economics, AC3A, Agrosolutions, INRAE, Nataïs)
- **Point of views of farmers, policy makers, companies for rewarding mechanisms :** result-based premium, carbon markets and CAP (INRAE, Deloitte, Climate-KIC, Agrosolutions, EARA - European Alliance for Regenerative Agriculture TBC)

Topic 3 : Monitoring and verification tools

- **Baseline approaches for monitoring soil carbon removals:** public – private synergy (JRC, MARVIC coordinator/ILVO, MRV4SOC coordinator/GMV, ORCaSa coordinator/INRAE)

EUROPEAN CARBON FARMING SUMMIT

2nd European Carbon Farming Summit

Save the date!

4-5-6 March 2025
Dublin (Ireland)

Call for sessions will open soon

Join the discussion on

- Which practices for European soils?**
 - Regional-agrosystems
 - Co-benefits
 - Trade-offs
 - Farmer acceptance
 - Incentives
 - Value Chains
- What standards and certification mechanisms?**
 - Integrity
 - Quality Criteria
 - Overlapping schemes
 - Additionality
 - Offsetting and claims
- How to monitor carbon fluxes?**
 - Data Harmonization
 - Model Calibration
 - Emerging technologies
 - Remote Sensing
 - Monitoring initiatives

Website: www.carbonfarmingsummit.eu
More information also at: www.project-credible.eu
Any question please email to: team@carbonfarmingsummit.eu

Organised by:



Latin America and Caribbean Soil Carbon Research Symposium

Dates : June 25-28, 2025

Location : Rio de Janeiro – Brazil

Funder:



Organizers :



Museu do **Amanhã**



Latin America and Caribbean Soil Carbon Research Symposium

Preliminary agenda:

JOUR 1 - 25 juin 2025

- Ouverture de l'événement de 3 jours
- Présentation des initiatives promotrices (4 pour 1000 Initiative internationale et Consortium international de recherche sur le carbone du sol)
- Carbone du sol - MMRV

JOUR 2 - 26 juin 2025

- Marchés du carbone
- Séquestration du carbone pour une production agricole durable, la santé des sols et la sécurité alimentaire (Partie 1)

JOUR 3 - 27 juin 2025

- Séquestration du carbone pour une production agricole durable, la santé des sols et la sécurité alimentaire (Partie 2)
- Embrapa Agrobiologie (A confirmer)

JOUR 4 - 28 juin 2025

- Visite de terrain : Intégration culture-élevage-forêt dans la forêt atlantique

Avant et/ou après :

- Interim **Steering** Committee (le seul en présentiel)
½ journée
- **Scientific** Committee (avec 4°/°° ou à part !)
½ journée
- Annual meeting envisagé mais reste à discuter (2 jours)

We are looking for keynotes on Soil and Biodiversity and on Traditional Knowledge on Soil



Soil Carbon Services in development :

International Research Consortium

how to collaborate with us?

Harmonized MRV framework

- MRV : Share the experience on how to monitor, report and verify soil carbon stock changes : an international co-construction approach
- We encourage international collaboration and build an international network

Impact4Soil platform

- Make YOUR projects & networks more visible thanks to IMPACT4SOIL platform
- Valorise your own dataverses or datasets scientifically proved while ensuring your intellectual property rights

SRIA & co-funded calls

- Contribute to an international Strategic Research & Innovation Agenda and vote for the priorities
- Align funding agencies calls so that 10% of the funds can enhance exchanges between projects internationally

Thank you and follow us!



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