



« 4 per 1000 Initiative: Soils for Food Security and Climate »

Document Consortium 7-6 (sv)

7th Meeting of the Consortium

Wednesday 10 November 2021

15:30 to 18:00 CET

Royal Concert Hall (Glasgow) and on-line event via Zoom

DRAFT

“4 per 1000” Implementation Plan

Short version

During the year 2021, the working groups that had been formed at the end of 2020, one for each objective of the Strategic Plan (24 in all), worked on the collaborative platform as part of the Delphi study.

As announced, the study was conducted in three stages that led to a consensus on the answers to several questions around each objective, namely:

- the problem(s) which is at the origin of the objective,
- the causes of the problem(s),
- the critical success factors and barriers to solve the problem(s),
- and finally, the activities to be deployed to achieve the objective.

More than 4,000 individual responses from the nearly 130 people registered in the 24 working groups (out of the 350 who indicated their willingness to contribute to this exercise) were received through this online work on the collaborative platform, providing essential input to the development of the Implementation Plan.

It is these elements, and in particular the list of activities to be deployed, as well as the proposals for adapting the 2030 and 2050 targets of each objective, but also the complete methodology that the Consortium of Members will have to examine and approve.

Next Steps

The implementation and strategic plans will be adjusted accordingly.

In the coming months, voluntary partners and members will be asked to score the relevance activities, causes, critical success factors, and barriers to identify priorities in order to group them by major theme to facilitate their concrete implementation.

It will be on this basis that the implementation plan of the Initiative will be elaborated and that the objectives of the Strategic Plan will be adapted, when necessary, in the light of the remarks made by the working groups as to their completeness in responding to the challenges. The final documents will be the basis for the elaboration of projects and action plans by the task forces and for tracking progress of the initiative.

As these documents are living documents, there will evolve over time and will be reviewed regularly according to the results obtained during the implementation.



DRAFT Implementation Plan

Short version

Version 14th October 2021

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1 A1-NDC support

1.1 Goal A - INCEPTION & CONCEPTUALIZATION

Facilitate the emergence and ensure the feasibility of methodologies, tools and recommendations that foster stakeholders' ability to implement the Initiative on the ground

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

1.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	Target 2030	Target 2050
Nationally Determined Contributions (NDCs)	Ensure that the Nationally Determined Contributions (NDCs) of all UNFCCC country Parties contain references to soil health and Soil Organic Carbon (SOC), and that they are taken into account in their sustainable agriculture development programs.	In 2019, out of 196 countries' NDCs, only 13 refer to SOC in relation to agricultural mitigation targets or adaptation actions, and 20 refer to peatlands or wetlands in relation to such targets. A further 3 NDCs refer to soil carbon without clear linkages to targets.	Enlist 100 % of country parties at the UNFCCC, members or partners of the "4 per 1000" Initiative.	In 2050, ensure that, globally, 100% of all UNFCCC country Parties include Soil Health and SOC in their NDCs and development programs.

1.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- NDCs are not the only documents of the UNFCCC processes, consider also National Adaptation Plans.
- References to soil health and SOC in NDCs are not sufficient. The transformational aim is that countries set quantitative targets.
- "Sustainable agriculture development programs" should be widened to "national agriculture, forestry and land use plans and programs".

1.4 Activities

N°	Activity	Description
1	Advocate for SH and SOC at UNFCCC	Build a unified voice from the "4 per 1000" member countries at UNFCCC (including the institutions that manage GHG inventories) to increase the visibility and recognition of soil health and soil organic carbon.
2	Analyze gaps and opportunity	<p>Help countries identify their knowledge and capacity gaps in monitoring soil health and soil organic carbon and determining the potential for restoring soil health and carbon sequestration.</p> <p>There is a need to gain more local information on the impacts of different land use practices on soil carbon sequestration and how they improve national carbon balances.</p>
3	Support NDC development	Countries need to be supported in developing soil health and soil carbon monitoring activities in their NDCs and national policies, involving all relevant stakeholders (farmers, private sector, civil society). The ability to quantify agricultural SOC stocks, monitor them, and effectively communicate the findings to policy makers must be promoted.
4	Strengthen national SH & SOC dialogue	Attention to SH & SOC at country level needs to be promoted through high level meetings organized by scientists, NGOs, and farmers.

2 A2-Project support

2.1 Goal A - INCEPTION & CONCEPTUALIZATION

Facilitate the emergence and ensure the feasibility of methodologies, tools and recommendations that foster stakeholders' ability to implement the Initiative on the ground

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

2.2 Original objective and targets (version 2020)

Label	Objective	Baseline 2020	2030	2050
Projects	Foster the emergence of innovative projects centered on soil health and in line with "4 per 1000" ambition and with the help of the set of indicators and criteria for formative project assessment elaborated by the STC.	A call-for-project 2020 introduced with a wider base of contacts and a targeted timing. 5 to 10 high quality projects selected	10 to 20 high quality impact based projects selected and implemented on the ground.	50 high quality impact based projects selected and implemented on the ground.

2.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- International funding mechanism is missing.
- The highest economic risk for farmers is during the transition period toward soil regeneration. What they need is an experimental fund to have a financial security in this time. This will support them in implementing regenerative practices.
- Access to funding for local and small-scale projects is crucial.
- A harmonized system for project development, monitoring and evaluation is missing. The "4 per 1000" initiative should give advice to project holders on how to be in line with its principles and goals.
- Efficient documentation of real-life data fosters further development and larger adoption. This will enable a stronger connection between practice (farms), research/science and policy.
- Regular sharing of experiences among project owners facilitates further project development.

2.4 Activities

N°	Activity	Description
1	Inventory of funders	Identify prospective investors on soil health and work with them toward establishing an international funding mechanism. (Identification of potential financing streams)

N°	Activity	Description
		Whether it is public funds from one or multiple countries, or private investment, or philanthropy or a mix. There needs to be a pool of resources ready to be effectively and efficiently used to ensure the success of the projects.
2	Agree on M&E standards	Build consensus on criteria and indicators for monitoring and evaluation of projects on soil health and carbon sequestration. (Develop consensus on the soil health indicators to be tracked) The project will need to have a solid scientific foundation for the soil health indicators that will be tracked in the project. This activity might include an in-depth and regionally relevant literature review on appropriate soil health indicators for the project in question.
3	Coaching of applicants	Coaching of landowners/users and field experts on all stages of inclusive project development, in developing countries. (Need to build capabilities in soil carbon sequestration). To improve the quality of the potential projects, it would be important to generate capacitation for researchers in the thematic of soil carbon sequestration.
4	Indicate high impact areas	Identify 50 project sites with highest possible impact on global climate change mitigation.
5	Collaborative platform	Provide access to an electronic platform and support joint project development among network partners with different experience levels. (Strengthen and/or create multi-stakeholder platforms)
6	Promote emergence of seed money initiative	Lobbying funders to allocate seed money to projects positively assessed by the "4 per 1000", to allow feasibility study. Build a favorable environment to newborn projects to facilitate the feasibility of best projects.
7	Promote micro project funding schemes	Collaborate with funding bodies to develop micro-project funding schemes for a many simple local outcome-oriented actions with high collective impact.

3 A3-Share experience

3.1 Goal A - INCEPTION & CONCEPTUALIZATION

Facilitate the emergence and ensure the feasibility of methodologies, tools and recommendations that foster stakeholders' ability to implement the Initiative on the ground

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

3.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Success Stories	Share relevant emerging ideas, innovations and success stories from all stakeholders (bottom-up and top-down approaches)	1 study / review per year.	5 studies / reviews per year.	10 studies / reviews per year.

3.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- Suggest replacing the short tile (label) of the objective "Success stories" by "Share experience"
- Targets are not reflecting the objective. It is not clear what a study is, why it is done, by whom and from whom.
- Considering the experience of the virtual fair we could also replace it by something like all partners and members have one or several exhibition stands on the "4 per 1000" virtual fair for sharing their experience and enrich and update content periodically.

3.4 Activities

N°	Activity	Description
1	Networking and interaction	Identify directions to expand the network through common partners and related goals. (Connecting practices). Identification of suitable local stakeholders with mutual vision and establishing a network.
2	Gather success stories	Organize calls for success stories in different dimensions of the Initiative, in different languages, among different networks, and with clearly defined selection criteria and procedures.
3	Mining of remote systems	Identify target systems that are considered transformative and search actively for successful implementation examples. Enlist potential practices for future measurement, monitoring, reporting and verification, through data collection and management, interview, and site visit.

N°	Activity	Description
4	Provide a platform for exchange	Systematic gathering and dissemination of relevant content. Enables feedback mechanisms for lateral experience sharing and problem solving. Use the collaborative platform and organization of virtual fairs for sharing of experiences.
5	Workshops	Present success stories at workshops, such as the CoP-workshops. Such workshops can contribute in exchanging ideas and techniques for wider audiences at regional and national levels.
6	Improve conception of success	Redefine and mainstream a new concept of higher success expanding the economic benefits to climate, environmental (biodiversity, water) and societal (poverty alleviation and equity) benefits. Using a quantifiable definition of success is instrumental to the creation of the carbon market which can be an additional driver for change from an economical point of view besides higher yield and lower cost, but a wider notion of 'success' in terms of more holistic ecological benefits at the beginning may avoid unnecessary cultural alienation.

4 A4-Regional Stakeholder Interfaces

4.1 Goal A - INCEPTION & CONCEPTUALIZATION

Facilitate the emergence and ensure the feasibility of methodologies, tools and recommendations that foster stakeholders' ability to implement the Initiative on the ground

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

4.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Interfaces	Enhance the interfaces "science and practice" (R&D) for policy makers, scientists and producers	1 global (online) meeting a year 1 periodical note a year.	5 regional (online) meetings a year 2 to 3 periodical notes a year.	5 regional (online) meetings a year 5 periodical notes a year.

4.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- It is important to bring different countries and regions together.
- Meeting and exchanging is the first step. The desired outcome is establishing operational partnerships between stakeholder groups and countries.
- Events should be regular and systematic.
- We need to demonstrate the added value of such interfaces through demand- and result-oriented concepts that result in building partnerships for action and impact on the ground.
- Objective A4 is strongly interrelated with objective D2 as reflected by identical targets. D2 sets up the objective of establishing regional networks and A4 aims at having these regional networks meet regularly.

4.4 Activities

N°	Activity	Description
1	Organization of stakeholders	Establishment of a regional level within the 4p1000 network (regional councils, focal points, stakeholder involvement, network expansion). Identify potential stakeholders, inform them about the "4 per 1000" Initiative and the opportunities that the interfaces and regional meetings offer to them and how they can connect.

N°	Activity	Description
2	Conception of regional platform	<p>Develop a concept for regional platforms and periodical meetings based on partners' expectations particularly policy makers (launch a poll) and describing justification, purpose, objectives, and operation plan.</p> <p>Elaborate a convincing business model for the operation of the interfaces, platforms and the organization of the annual regional events that clarifies who benefits from what and who assumes what tasks and costs that can be presented to decision-makers to persuade them to participate.</p>
3	Mobilize support	<p>Conduct public awareness campaigns on the importance of soil health and carbon sequestration</p> <p>Lobby politicians and decision-makers to mobilize support (human, financial, and technical resources) for investments.</p> <p>Strengthen networking with other climate related initiatives</p>
4	Organize forums	<p>Organize forums (including scientific seminars and meetings) between diverse stakeholder groups to develop collaboration. (Hold forums targeting knowledge exchange and practical outputs)</p> <p>Facilitating respectful communication between all levels of stakeholders including researchers and knowledge users (policy and land management) will enable more evidence-based programs to be implemented and more farmers will be able to adopt practices that improve soil health and increase soil carbon.</p>

5 A5-Carbon market

5.1 Goal A - INCEPTION & CONCEPTUALIZATION

Facilitate the emergence and ensure the feasibility of methodologies, tools and recommendations that foster stakeholders' ability to implement the Initiative on the ground

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

5.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Carbon Markets	Screen, compile and share the best Carbon market mechanisms and compensation schemes on C sequestration	The 3 to 5 best compensation schemes, available in 2020, summarized and presented to members and partners of the Initiative.	Selection of the "4 per 1000" "certified" compensation scheme for adoption and implementation in the 5 regional levels, for agricultural lands and forests.	Global use of the "4 per 1000" "certified" compensation scheme by farmers and foresters.

5.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- This is an objective covered by available overview studies (see A5-Library).
- CIRAD has conducted an in-depth analysis of existing options and availability in different contexts (CIRAD: Qualitative data on soil carbon certification schemes in agriculture and forestry).
- The missing overview of the different options is only a small part of the problem. Farmers wish to have more clarity of the benefits of those existing global C compensation schemes and they often have no access to them. Frequently, it is not easy for one single farmer to enter the C market because of the currently low price for each C ton. Therefore, certain NGOs or companies aggregate them to derive credits out of a larger area.
- We have to identify the real gap for farmers. Is it only the access to the C market? Perhaps we need to develop another economic instrument to provide a realistic financial incentive that drives agricultural transformation toward regeneration within the 4p1000 network.
- Real problem: Low market-effective demand for carbon sequestration and high transaction costs
- The answers reflect a broader understanding of the objective"

5.4 Activities

N°	Activity	Description
1	Advocate for higher carbon offset prices.	<p>Advocate for establishing higher prices for carbon offset credits. Advocate for increasing certificate prices within the voluntary carbon market.</p> <p>If demand is insufficient to establish appropriate prices, the supply side must advocate for increasing certificate prices. Emphasizing on the importance of carbon sequestration projects in cleaning up our historic carbon footprint and co-benefits (climate resilience, soil fertility, productivity) are important distinctive features compared to e.g., emissions reduction projects</p>
2	Scheme comparison	<p>Comparative review of compensation schemes, including a stakeholder analysis, and define shared criteria. (Comparison criteria)</p> <p>It will be important to define shared criteria at the basis of schemes comparison. Criteria must be transparent. The rating of existing schemes and the selection of a favorite one is a step to be elaborated with the community.</p>
3	Adaptation of PA Article 6	Engage in the dialogue and negotiation around Article 6 of the Paris Agreement. (Engage in the dialogue / negotiation around Article 6 (Paris Agreement))
4	Help the rich	Support investors in entering the carbon market by making the voluntary carbon market more transparent for them and by educating them in using this market.
5	Improve access to compensation schemes	<p>Strengthen public-private partnerships within compensation schemes. (Public and private access)</p> <p>The scheme should guarantee the access to both private and public subjects. This is fundamental. Existing schemes often do not promote public-private partnership. Some schemes are more suitable for private subjects and other for public.</p>
6	Alternative markets	Either through subsidies of some sort, or tax incentives, or some other mechanisms, we need to foster the market adoption of projects that sequester carbon while regenerating ecosystems and communities. We could promote an acknowledgement of carbon credits in regional and local policies (e.g., as rewarding criterium) aimed at farmers.
7	Improve legislation	Lobby to assure the introduction of a carbon removal fee that assures that polluters pay the full cost for undoing the damage.
8	Pricing with co-benefits	<p>Improve recognition of co-benefits of increasing SOC sequestration</p> <p>Identifying the co-benefits for SOC by providing price premiums in market mechanisms where there are extra benefits such as socio-cultural or climate resilience gains will help farmers to have confidence to adopt practices that increase SOC.</p>

6 A6-Conceptual Framework for SH and SOC

6.1 Goal A - INCEPTION & CONCEPTUALIZATION

Facilitate the emergence and ensure the feasibility of methodologies, tools and recommendations that foster stakeholders' ability to implement the Initiative on the ground

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

6.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Reference Framework	Develop a scientific reference framework including socio-economic aspects (research programs, international scientific cooperation and STC) that shows the potential of soil health contributing to carbon sequestration resulting in a positive carbon balance in AFOLU systems.	Start a multi-stakeholder discussion. Contribution to CIRCASA project and inception of the IRC.	A scientific reference framework elaborated and used.	A scientific reference framework updated and used.

6.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- The term "Conceptual framework" is more common than "Reference framework."
- In the targets, we should define for what we plan to use the framework.

6.4 Activities

N°	Activity	Description
1	Organize Task Force	Assemble a group of motivated, capable, and open-minded experts.
2	Define basic design	Define architecture of the conceptual framework, rules, and principles for its development.
3	Elaborate a list of definitions	Elaborate and manage a list of definitions in multiple languages based on existing international standards.
4	Assure synergy	Build on existing models, concepts, theories and frameworks. Inventory of existing models, concepts, theories, and frameworks.
5	Agile development	Agile development of the conceptual framework in short iterations.

7 B1-Responsible Investment Plans

7.1 Goal B - IMPLEMENTATION

Foster enabling environment and/or framework (business model, trustworthy third-party, tutoring, mentoring, amplify impact, scaling up) for implementation on the ground

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

7.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Investment Plans	Encourage the development and implementation of national and/or supranational strategies (including incentive and regulatory mechanisms) and responsible investment plans for soil health derived from the NDCs' targets.	Inventory of strategies and investments plans existing as of 2020.	50% of the UNFCCC country Parties = 98 countries.	100% of the UNFCCC country Parties = 196 countries.

7.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- Targets should be more specific on SH & SOC
- Targets should indicate the nature of the documents (strategies and investment plans)

7.4 Activities

N°	Title	Description
1	Enable economic gain for stakeholders on the ground	First, identify technologies that provide economic benefits to make the mechanism more sustainable OR implement a PES system that is sustainable in the long term, i.e., change local tax policy.
2	Promote common use of key performance indicators	Enable system-level investors to find entrepreneurs and enterprises that can provide impact management evidence on soil health alongside farmers' net income growth.
3	Adapted mechanism with land tenure	Implement mechanisms that consider current land tenure. It is crucial to take land tenure into account and therefore to develop the mechanisms in a participatory manner. Mechanisms must be adapted to land tenure and not the contrary.
4	Invest in innovative projects with impact evidence	Connect financial resources with innovative and profitable projects in regenerative agriculture. Bring capital and know-how to achieve value

N°	Title	Description
		added products through capital investments in technology and innovation.
5	Changing technical references	The technical references (agronomic and economic research, etc.) must always consider the 4p1000 approach. We can copy gender or environmental approaches that are now automatically considered in the reflections of decision-makers and experts.
6	Label "4 per 1000" as social awareness	Social recognition can mitigate the economic shortcomings of the mechanisms. A label should make it possible to identify those who "act to save the planet". It could also help to put social pressure on others. The label can be developed at different levels: "research", "company", "farmers", "government", "city", "consumers"
7	Assist strategy developers	Provide SH&SOC expertise and assist strategy development

8 B2-Technology database

8.1 Goal B - IMPLEMENTATION

Foster enabling environment and/or framework (business model, trustworthy third-party, tutoring, mentoring, amplify impact, scaling up) for implementation on the ground

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

8.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Technology database	Facilitate access to information and capacity development for land managers, in particular women, on how to improve soil health and increase SOC content for all agro-pedo-climatic regions.	Database of good practices on SOC management and capacity development delivered to one region and its sub-regions, as of 2021. Ex: Africa could be the 1st targeted area. Development of the basis of the database with some major partners.	Database of good practices on SOC management and capacity development delivered in 2 additional regions like Asia and South America. Reviews and assessments conducted every year.	Database of good practices on SOC management and capacity development delivered globally.

8.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- Short title can be easily confused with B3. Suggest to change it to B2-Technology database
- Considering the targets, the objective is to provide a Technology database, not to facilitate the access to relevant existing databases. Target must be reformulated to avoid misunderstanding. Targets for 2030 and 2050 Need to be reformulated to fit the objective and a reasonable timeframe (urgency of the matter)

8.4 Activities

N°	Activity	Description
1	Collaborative development	Screen and build upon existing databases, such as WOCAT, and compilations, such as the Technical Manual on SOC management from FAO/GSP.

N°	Activity	Description
2	Specify conditions	Identify areas with similar climatic and socio-economic conditions for more precise and specific recommendation of good management practices. (Sub-region identification)
3	Local and indigenous	Consider local and indigenous knowledge and innovations for inclusion in the database. Knowledge of local techniques for restoring degraded land and conserving soil fertility allow activities to be properly started. This knowledge facilitates the modification of local techniques to innovate and adapt them to current conditions.
4	Multiple languages	Enable increasing translations. (Translation and localization) Recruit helpers and coordinators from different regions to translate content of the database and adjust to suit the needs of local land managers. Consider the adoption of graphical schemes for better dissemination.
5	Training of users	Plan provision of training for users of the database.
6	Gather feedback	Continuous collection of feedback for further development of data base.

9 B3-GAFOLUP Helpdesk

9.1 Goal B - IMPLEMENTATION

Foster enabling environment and/or framework (business model, trustworthy third-party, tutoring, mentoring, amplify impact, scaling up) for implementation on the ground

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

9.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
GAFOLUP Helpdesk	Develop and implement science-based regional helpdesks for : (a) the planning of local actions on good AFOLU management practices (b) the establishment and use of compensation schemes for carbon sequestration (c) provision of ecosystem services at appropriate levels (principle of subsidiarity)	Help-desk active in one region as of 2021.	Help-desk active in 5 regions.	Help-desk active globally with more countries and sub-regions involved.

9.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- no remarks

9.4 Proposed revised Objective

This is the objective for which the Task Force members are designing solutions and building alliances to develop and operate global facilities to achieve the 2030 and 2050 targets as soon as possible.

Label	Description
GAFOLUP Helpdesk	Develop and implement science-based regional helpdesks for (a) the planning of local actions on Good Agricultural, Forestry and Other Land Use Practices (GAFOLUP), (b) the establishment and use of compensation schemes for carbon sequestration and (c) provision of ecosystem services at appropriate levels following the principle of subsidiarity.

9.5 Proposed revised Targets

Baseline 2020	Target 2030	Target 2050
Help-desk active in one region as of 2021.	Help-desk active in 5 regions.	Help-desk active globally with more countries and sub-regions involved.

9.6 Activities

N°	Activity	Description
1	Team of experts, office staff	A useful helpdesk is a competent helpdesk. Great attention must be given to the skills and experiences of selected experts. The helpdesk must have a team of professionals and office staff for communication and networking among the various stakeholders. The team should also include experts who can play a key role in implementing guidelines and certifications.
2	Network of experts/scientists/practitioners	It will be essential to have a complete database consisting of contacts of scientists, practitioners, and experts (individuals and institutions). This network will be instrumental in addressing the functions of the helpdesk.
3	Compiled information and access to technologies	To function effectively the helpdesk will require access to compiled information on the sustainable land use technologies/ practices compiled under various other objectives of 4 per 1000.
4	Provide market intelligence	Better access to markets and better information about prices and conditions.
5	Resource mobilization in each region	Either support fundraising in each region, or collectively grant a funding to globally initiate
6	Develop a regional helpdesk	The development of regional helpdesks is important. The closer it is to the user, the greater the user's trust. Many countries must be represented.
7	User friendly communication systems	Provide regional platforms and use social media for regular interactions and knowledge sharing among stakeholders. The language should be easy for farmers to understand.
8	Provide guidelines	Provide comprehensive technical guidelines to ensure the function of the regional helpdesks. It is expected that these guidelines will be developed under other objectives of "4 per 1000" and made available to the helpdesk.
9	Private sectors participation	Assure participation of the private sectors. It will play a crucial role in the compensation market.

10 B4-MRV-toolbox

10.1 Goal B - IMPLEMENTATION

Foster enabling environment and/or framework (business model, trustworthy third-party, tutoring, mentoring, amplify impact, scaling up) for implementation on the ground

This is goal to which the objective mainly contributes, while keeping in mind the vision , mission and guiding principles of the "4 per 1000" Initiative.

10.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
MRV Tool-Kit	Develop a user-friendly online toolkit (including verified assessment and monitoring tools) on soil health and soil organic carbon.	Collection of existing tools and experts. Compile and launch an online tool-box that will be improved continuously.	Actors in 40 countries use 20% of the tools of the box.	Actors in all countries use 40% of the tools of the box.

10.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- Status (Baseline 2020) is not fully achieved.
- Objective is actually an activity part of the MRV-goal
- Objective and status should be merged as: Compile a user-friendly online MRV-toolbox within the electronic platform on soil health and soil carbon, including verified cost-benefit-analysis as well as assessment and monitoring tools (decision-support-system), that will be updated and improved continuously.
- Only use the term MRV Toolbox in the short title (label) and text to avoid confusion.

10.4 Activities

N°	Title	Description
1	Resource mobilization	Raise funds for MRV from public and private investors that fund climate action projects and encourage research in SOC dynamics.
2	Stakeholders' involvement	Identify and involve major MRV-tool developers and users to analyze and match supply and demand for the toolkit.
3	Synergy	Stock taking and evaluation of existing MRV tools including transferability, regional adaptability, and knowledge frontiers.
4	System integration	Support the establishment of a global integrated monitoring system (see GLOSIS from FAO). This will be Crucial to overcome initialization costs and facilitate large scale comparisons between regions, countries

N°	Title	Description
		and even commodities. It will also help to support the provision of incentives to farmers implementing regenerative agriculture.
5	Inclusion of ecosystem services	Include MRV-tools for cost-benefit analysis and quantify ecosystem-function benefits resulted from good SOC management. This will encourage financial support greatly.
6	User friendly interfaces	Develop a user-friendly interface for the MRV-toolkit adapted to users' needs and possibilities. Explore what is the most broadly available online devices among farmers in targeted regions to develop a solution tailored to the most broadly available technology.
7	Pro small farm policies	Support the development of policies that provide support for small plots to continuously use MRV. Due to farm size, many small and medium farms, young and beginner farmers, which are so vital to local food resiliency, should always be required to be included and greater portion of funding in all available programs.
8	Training	Organize training modules for MRV-toolkit users. These training modules should be linked to training on soil carbon storage activities.

11 C1-Advocacy & Awareness

11.1 Goal C - PROMOTION

Raise awareness and advocacy, build trust, encourage partnerships, engagements, and commitments of all stakeholders

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

11.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Advocacy & Awareness	Advocate for soil health and the importance of soils for climate and food security and raise the general awareness on the central role of the "4 per 1000" Initiative	In 2020, no measurement of the assisted-awareness of the "4 per 1000" brand is available. Measurement to be conducted.	100% of assisted awareness-notoriety for the "4 per 1000" brand.	100% of spontaneous awareness-notoriety for the "4 per 1000" brand.

11.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- Brand is already addressed in C4
- If the objective is advocate, then we should set targets and measure it according to what WE do
- Develop a PR Guide
- Set a number of events addressing the general public as a target
- Need to clarify and clearly formulate the target groups for the different objectives among Goal C

11.4 Activities

N°	Activity	Description
1	Communication strategy development	Develop a global communication strategy.
2	Elaborate a PR-Kit	Collect and engage in the production of material for social media, TV, radio, newspapers with scientific backstopping. Materials on the positive Impacts of Improving soil health and restoring it through natural processes. Sharing business models etc.

N°	Activity	Description
3	Organize campaigns	Enable all interested partners to share the messages and make use of materials created for the information campaign. Materials should allow for partner identity to be expressed.
4	Inclusion in curricula	<p>Advocate for the inclusion of the connection between soil-food security-climate in primary and secondary school curricula.</p> <p>This must be connected to human health as well as impact on cognitive development on children. Low nutrient uptake through soil will result in deficiencies that will and does impact human health (food chain chemicals in soil)</p>
5	Convince agri-food industry	Advocate for the importance of soil health among food industries. Agroindustry controls the food supply chain. Food carbon labelling to ref soil. Identify global leaders and ambassadors - credit those on-board.
6	Influence consumer demand	<p>Historically corporates shift their products according to consumer demand.</p> <p>Consumers decide what they eat, use, and buy. They are the major influencers in this challenge to bring about a global change. Changing trends and health consciousness can be used as tools for pushing this agenda forward.</p>

12 C2-Soil Regeneration

12.1 Goal C - PROMOTION

Raise awareness and advocacy, build trust, encourage partnerships, engagements, and commitments of all stakeholders

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

12.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Soil Regeneration	Promote the paradigm shift from "soil exploitation" to "soil regeneration" through agroecology and sustainable land management practices at the level of producers and businesses along value chains.	Globally, contact 10% to 15% of farmer associations / federations per region. Contact the Top 20 global Food businesses involved in Ag. and or Forestry.	Contact 100% of farmer associations per region. Contact the Top 50 global Food businesses involved in Ag. and or Forestry. Contact the Top 20 regionally.	Reach regionally, 100% of smallholder farmers and family-held farms. Contact the Top 100 global Food businesses involved in Ag. and or Forestry.

12.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- be more specific about the stakeholders and the expected behavioral change.

12.4 Activities

N°	Activity	Description
1	Establish formal dialogue	Establish formal communication with farmers and consumers organizations and agri-food companies using existing networks for their possible roles in climate change mitigation. (Getting in touch with the cooperatives / supply chain players)
2	Engage in policy debate	Engage in high-level discussion panels with relevant policy makers and big players in agri-food and agro-businesses. This may immediately catalyze and break down all political hindrances that might have brought to interrupt our main goal thereby guaranteeing its future perspective.
3	Revise curricula	Transform agronomists', agricultural engineers', and extension specialists' training curricula towards eco-systemic approach of agricultural systems with soil health, plant health, soil organic matter, above- and below- ground biodiversity promotion and climate at its core.

N°	Activity	Description
4	Consumer campaigns	Support consumer campaigns to encourage demand for soil- friendly products of low carbon footprint and high nutritional value.
5	Demonstration	Support the establishment and expansion of regenerative demonstration sites for on-farm training. This may include practices such as agroforestry, diversified cropping systems, biochar/compost/ biological inputs production etc..
6	Training of trainers	Strengthen extension and advisory services to monitor and improve soil health for all land users. Assistance such as consultancy and regular soil tests should be provided to producers for easier transition of soil management practices.
7	Develop regenerative practices	<p>Invest into research and technology development.</p> <p>Support projects for knowledge co-creation to develop regeneration adoption strategies.</p> <p>Collect scientific evidence on the benefits and co-benefits of sustainable soil and agricultural system management and create new and innovative solutions for sustainable management through co-creation / co-innovation with farmers/producers and policymakers.</p>

13 C3-Increased investments in SH and SOC

13.1 Goal C - PROMOTION

Raise awareness and advocacy, build trust, encourage partnerships, engagements, and commitments of all stakeholders

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

13.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Commitment	Convince policy makers and funders to increase commitments and investments in AFOLU in favor of soil health and carbon sequestration.	The Top 20* institutions contacted end of 2020. <i>* Referring to the 2018 study about potential funders</i>	In 2030, the Top 80* institutions have been reached.	In 2050, every single policy maker or funder have been contacted.

13.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- none

13.4 Activities

N°	Activity	Description
1	Identify target groups for awareness creation	It is important to identify the most important target groups that we ought to reach for awareness creation. It is not possible to reach everybody. That must be done phase by phase.
2	Lobbying the relevant policy makers towards 1/4000 strategies	we are constantly working on it. but the policy makers are often "courted" by those who don't want to see change in trends, as it will after their bottom line.
3	Review of existing commitment policies	What works and what doesn't among places with early adoption of soil healthy policies? How can/should public and private sectors make complementary commitments?
4	Develop contents for awareness creation	We should identify critical areas where we want to create awareness and develop their contents in a way, they are easily understood by our target groups.

N°	Activity	Description
5	Proposing template resolutions to relevant parties	Create "best practices" for soil health commitments with a few options for differing situations.
6	Identify innovative awareness creation approaches/methodologies	We must identify cost-effective methodologies or ways to do the awareness creation. How best can we reach our audiences in terms of conveying messages, minimizing costs, etc. must planned properly.
7	Solicit for resources	Awareness creation and other engagements require resource. We must identify potential sources of resources and approach them.
8	Develop research projects that help in generating evidence	One of the reasons for limited commitment from relevant stakeholders is absence of evidence. Generating new evidence and organizing the already existing ones for this purpose is decisive.

14 C4-Branding & Certification

14.1 Goal C - PROMOTION

Raise awareness and advocacy, build trust, encourage partnerships, engagements, and commitments of all stakeholders

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

14.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Branding & Certification	Develop and implement "4 per 1000" branding mechanisms (seals, certification, awards, etc), as a benchmark for soil health and SOC build-up	Study on interests and conditions to develop "4 per 1000" branding mechanisms. Decision upon the branding mechanisms to select to improve the "4 per 1000" branding (target / audience / tools & purpose to be further defined). Put the tools to be developed, on a timeline.	"4 per 1000" branding mechanisms fully operational.	"4 per 1000" branding mechanisms assessed, updated and fully operational.

14.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- none

14.4 Activities

N°	Activity	Description
1	Inventory of existing certification	Look for criteria for soil in existing standards.
2	Link to quantification and decision support tool	Develop and refine a comprehensive linked quantification and decision support tool that can meet the current needs of 4p1000 which aims to maintain and increase soil organic carbon through SLM.

N°	Activity	Description
3	Define criteria for brand allowing	It will be important to define shared criteria at the basis of brand institution. Criteria must be transparent.
4	Define scope	Define the scope based on analysis of the existing situation.
5	Assure public and private involvement	Both public and private subjects must be involved in the design of brand and branding mechanisms.
6	Positioning of the brand	Clearly specify the position of the "4 per 1000" compared to private schemes. Accreditation body?
7	Promote the scheme	To reach a large recognition of the brand at global level, the brand should be well known. Find sponsorship with this aim could help.
8	Elaborate a viable business model	Define the required means of the "4 per 1000" to carry out its activities.

15 D1-Collaborative platform

15.1 Goal D - COLLABORATION

Implement an online collaborative platform that facilitates and supports interaction between partners, with a powerful toolbox, business plan and knowledge management strategy

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

15.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Platform	Facilitate, encourage, enhance and strengthen collaborations and exchanges among stakeholders within and around the Initiative	Collaborative platform 2.0 fully operational for the Secretariat, the STC and the Bureau. End of 2021/22, platform fully operational for all members and partners.	Collaborative platform 2.0 fully operational for all members and partners of the "4 per 1000" Initiative.	Collaborative platform fully operational.

15.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- Make the objective more specific to be consistent with the targets by mentioning the collaborative platform.

15.4 Activities

N°	Activity	Description
1	Explain the benefits of a collaborative platform	We need to get people to understand what a collaborative platform is and why one should be used in a collaborative team or initiative.
2	Regional platforms	2030: setting up sub-Platforms at regional level to coordinate in similar climate and soil conditions.
3	Promoting Governments to Governments cooperation	Enlisting countries to support each other for common actions for Soil data reporting information sharing and stakeholder mobilization
4	Conception of platform	Develop a need-based concept of the collaborative platform that clearly demonstrates the added value for stakeholders

N°	Activity	Description
5	Development and implementation	Iterative, agile and demand driven development of the collaborative platform
6	Capacity development	Ensure empowerment of the network of stakeholders and operators of the collaborative platform for sustainability

16 D2-Regional networks

16.1 Goal D - COLLABORATION

Implement an online collaborative platform that facilitates and supports interaction between partners, with a powerful toolbox, business plan and knowledge management strategy

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

16.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Outreach	Contribute to the inception, development and outreach of regional networks	1 to 2 "4 per 1000" regional meetings organized every year	5 regional meetings organized every year or every two years	5 regional meetings organized every year

16.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

1. We suggest a small change in the wording of the objective: Contribution to the establishment, development, and expansion of regional networks
2. We suggest revising the targets and focus on regional networks and not on meetings for the following reasons
 - a. targets do not match the description of the objective,
 - b. meetings are indicators not results or outcomes,
 - c. the purpose of a network (network is a group of caring, dedicated people who are committed to maintain a relationship with other persons to support a given set of activities), a meeting is a means
 - d. the problem statements from feedback underline the need for a regional 4p1000 networks.
3. Objective A4-Interfaces is already pointing to regional meetings

16.4 Activities

N°	Label	Description
1	Establish "4 per 1000" knowledge exchange platform.	Identifying potential participants, organized in regions. It will be important to cast a wide net that includes many kinds of people and organizations, moving beyond personal networks for greater diversity and inclusion

N°	Label	Description
2	Development of outreach materials	People will want to see a compelling case for participation, with engaging materials, probably including a combination of text, images, and video.
3	Assess needs and expectations	Launch a poll to identify expectations of 4p1000 members from regional meetings feedbacks will help to define the scope pf regional meetings
4	Become financially more independent from EU countries.	Widen the source of financial resources, maybe try creating foundation.
5	Meeting planning & follow-up	How to bring people together in the most effective way? When/where/how? How to make it meaningful for people? How to connect meetings with ongoing activities?
6	Use more languages	More languages than English and French should be used

17 D3-Mobilize Youth & Seniors

17.1 Goal D - COLLABORATION

Implement an online collaborative platform that facilitates and supports interaction between partners, with a powerful toolbox, business plan and knowledge management strategy

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

17.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Mobilize Youth & Seniors	Mobilize youth & senior networks on agriculture and forestry that support producers and local action groups in their transition to agro-ecology, including sustainable land management practices.	Define the most active youth & senior networks in each of the 5 regions. Contact the most active ones, globally.	Active partnership with regional youth & senior networks in the 5 "4 per 1000" regions.	Active partnership with regional youth & senior networks in the 5 "4 per 1000" regions.

17.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- none

17.4 Activities

N°	Activity	Description
1	Partner with CSO, FBOs and CBOs	Develop partnerships with CSO, FBOs and CBOs to capitalize on their know-how, experience, and trust to organize actions on the ground.
2	Differentiate case scenarios	Given the different target regions and potential contexts of implementation define several case scenarios in which different aspects and parameters will need to be considered. These need to be included in the guidance/protocol of implementation.
3	Mobilize youth and seniors to get involved	Organize attractive campaigns to get them onboard. Define a very easy-to-follow protocol of implementation including all the information needed to understand the why, the what, the how, and the when.
4	Formation of committed youth teamwork	An important field is learning teamwork, solving challenges, designing feasible proposals... and committing to the implementation of viable work for the communities.

N°	Activity	Description
5	Lobby for an adjusted curriculum	Lobby for a curriculum for problem solving and change.
6	Develop educational material	Develop educational material for equipping youth and seniors with the fundamentals.
7	Capacity development	Provide training opportunities for youth and seniors for improved, knowledge and the development of technical and social skills.
8	Launch social media campaigns	Intense use of social media to reach youth and to develop ownership of the process.
9	Mobilize support of experimental projects	Creating spaces for creativity, inspiration, unconventional thinking and experimentation.
10	Advocate for favorable conditions for change	<p>Instill urgency and give tools to advocate for regenerative agriculture to those who are empowered to implement it.</p> <p>Convince policymakers to create favorable conditions for decentralized, self-determined and self-responsible climate action. Taking action should be unbureaucratic, provide maximum freedom for creativity, facilitate learning and sharing of experience.</p>
11	Incentive scheme definition	Definition of a long-term up-front incentive scheme for farmers. The industries contributing to climate change should also finance mitigation activities rather than expecting farmers to finance the implementation to then being able to compensate for their emissions.
12	Generate income opportunities	Develop and disseminate alternative business models to ensure that supporting producers and citizens in the transformation process, caring for the commons, and providing other regenerative services are profitable enough to earn a decent living.
13	Develop youth - seniors' interfaces	Develop and implement concepts to realize the synergetic potential of merging the drive and power of youth with the experience of seniors.

18 D4-Partnerships & Alliances

18.1 Goal D - COLLABORATION

Implement an online collaborative platform that facilitates and supports interaction between partners, with a powerful toolbox, business plan and knowledge management strategy

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

18.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Strategic Partnerships	Develop strategic partnerships and coalitions with relevant global networks and Initiatives.	Refer to the 2018 study about potential funders. Reach 20% of the most relevant global networks, Initiatives.	Sign a partnership with 10 to 20 of them.	Partnership with 50 of the most relevant and global networks, Initiatives.

18.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- Replace the term coalition by alliance. Alliance is more about mutual interests or benefit, while coalition is more about doing some action.
- Make sure this objective is clearly distinct for A2 and F2. A2 is more about promoting project on the ground, F2 about the activities of the "4 per 1000" initiative. D4, this objective, is more about larger projects improving the enabling environment for change by the development and improvement of global facilities with competent partners.

18.4 Activities

N°	Activity	Description
1	Identify relevant activity areas	Provide a database of core competences of partners. Screen the the "4 per 1000" strategy with task force members and identify thematic areas for potential partnerships.
2	Convincing / marketing of the importance of the initiative to organizations	Increasing knowledge and information regarding the objectives of the initiative and its relevance to current climate change and U.N. SDG goals. Organize and participate in conferences and seminars. Prepare information material that uses common language and make sure that it is consistent with the terms used in the strategic documents.
3	Targeted networking	Organize and engage regional "4 per 1000" networks to reach target organizations in the public and private sector and developing a list of interested individuals and decision-makers. Incentives: Making part

N°	Activity	Description
		of professional knowledge enhancement / development for employees of partners or sponsors.
4	Project identification	Ideation for the identification of potential projects in areas of common interest with selected partners and illustrate how the joint action could contribute to their ambitions. Sponsors and partners have their own specified sectors and goals identifying projects that will best attract and aligned. Incentivizing them to join as partners or sponsors. How it would enhance and fulfill Benefits to CSR and CC adaptation policies of sponsors and partners.
5	Joint project development	Develop project concept notes with interested partners.
6	Mobilize resources	Convince donors to invest.
7	Develop project and secure funding	Develop and submit full project proposals with partners, negotiate and secure funding.
8	Project management	Assure projects are successfully implemented. Project identified to partners will have to be fulfilled in accordance with timelines and strategic plan shared. Ensuring projects are implemented in accordance with the strategy in place with sponsor.
9	Monitoring & Evaluation	Define indicators and track progress considering common "4 per 1000" indicators. Third party evaluation. Preparing input and output criteria. Creating output reporting system.
10	Reporting to donors and dashboard	Report to donors, the beneficiaries, public and "4 per 1000". Reporting systematically to partners and gaining trust and confidence of sponsors.

19 E1-MRV catalogue

19.1 Goal E - FOLLOW UP

Establish an international science-based framework recognized by all stakeholders for the assessment of impact through Monitoring, Reporting & Verification

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

19.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Monitoring, Reporting and Verification	Screen and evaluate monitoring tools (remote sensing, database, sensors, etc) and methodologies that estimate state and change of soil organic carbon content at various scales	Identification of the 5 major players.	Complete overview of the 20 major players and their methods of screen monitoring tools.	"4 per 1000" catalog about all the methods of screen monitoring tools.

19.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- The objective should not be formulated as an activity but as an aim. "A catalogue of MRV tools (remote sensing, databases, sensors, etc) that provide accurate and reliable information about SOC stock change at various scales for all world regions is publicly accessible.
- We suggest formulating more ambitious targets since, a) the objective can be reached with little investment, b) fundamental for many other objectives in which carbon accounting and informed decision making are mentioned.
- We suggest merging this objective with B4 and assure that activities are complementary to E2."

19.4 Activities

N°	Activity	Description
1	Needs and gap analysis	Assess needs, offer and gaps (MAGIC dedicated management cluster). We have developed a management cluster dedicated to the formulation of MRV's and guiding the PGS methodologies. They will be implementers and will be creating a Center of Excellence for skills, technology, technical competencies, and expertise transfer.
2	Fill gaps	Advocacy and partnership building for collaborative R&D of new tools for SOC and SH. There are several answers that highlight specific R&D needs.

N°	Activity	Description
3	Gather information	Identify, classify, and evaluate tools to monitor the state of soil health, the dynamics of carbon in soils and the state of plant health.
4	Define Standards	Elaborate and agree on indicators, protocols, and standards for SOC and SH monitoring.
5	Define Ontology	Build an ontology for regenerative agriculture, host on open-access servers, have a steering committee that oversees the development of the ontology.
6	Provide catalogue	Iterative / agile development and updating of the catalogue. Use tools like d3.js // firebase // Flutter to build Webapps /smartphone apps to visualize in real-time what we are doing.

20 E2-Global Soil Monitoring

20.1 Goal E - FOLLOW UP

Establish an international science-based framework recognized by all stakeholders for the assessment of impact through Monitoring, Reporting & Verification

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

20.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Soil Monitoring	Monitor independently, and in near real time, SOC and soil health at the global, regional and national levels	Identification of the 5 major players. Inception of the real-time SOC monitoring dashboard.	Real-time SOC monitoring dashboard operational.	Real-time SOC monitoring dashboard adopted at regional and sub-regional scales.

20.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- Simply at all levels?
- Neutral and timely monitoring of soil health and soil organic matter at all levels, from global to field level.
- It is an extremely ambitious and complex objective. Therefor realistic targets should be formulated with care (smaRt), while keeping in mind the mission of 4p1000 and its mandate.
- It is important to draw a clear line between this objective and related objects (B4, E1, F3) while keeping in mind the relevance of this objective for the others"

20.4 Activities

N°	Activity	Description
1	Assess needs	Clarify expectations stakeholders and clients / target group and define corresponding information products / services, assess market effective demand, list of required indicators, data requirements, and define time frame.
2	Assess technical options	Develop a list of technologies and systems exist that can be part of the solution and assess their performance.
3	Gaps Analysis	Evaluate gaps at all levels of the system and assess priorities.

N°	Activity	Description
4	Explore potential partners	Identify partners who have the required skills and can contribute to a global system. (Development of list players in the field)
5	Team building	Establishment and organization of a team of experts with complementary skills. (Bring together collaboration regionally and globally)
6	Conception	Outline the system architecture, develop approach and business model and governance modalities for its operation for a collaborative, inclusive and realistic solution that meets key expectation of stakeholders and considers limitations in terms of technologies, data, competences, and the enabling environment.
7	Resource mobilization	Mobilize financial, political, and in-kind support for systems development and the enabling environment.
8	Systems development	Step by step collaborative agile systems development.

21 E3-Impact Assessment Tools

21.1 Goal E - FOLLOW UP

Establish an international science-based framework recognized by all stakeholders for the assessment of impact through Monitoring, Reporting & Verification

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

21.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Impact Assessment	Contribute to the improvement of impact assessment tools (EX-ACT (Ex-Ante Carbon-balance Tool); CBP (Carbon Benefits Project) tool, etc) in line with the ambition of the "4 per 1000" Initiative, including socio-economic dimensions.	Contact and explore possible collaboration with the developers of existing tools.	Collaboration with 2 developers of the impact assessment tools.	Collaboration with 4 developers of impact assessment tools.

21.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- By looking at the feedback, it appears that E3 and E1 are easily confounded.
- E1 is focusing on monitoring of SOC change
- This objective is about impact assessment. In theory there are two ways to look at it. A) Focus on the effect of SOC change. In a first step the focus is on the impact of SOC change on soil health and in a second step on the impact of both, SOC and SH, on the environment and livelihoods. B) Look at the impact of the change of land use, technologies, and other interventions on SOC. However, this is already covered by E2 soil monitoring.
- We suggest focusing on A) Focus on the effect of SOC change. In a first step the focus is on the impact of SOC change on soil health and in a second step on the impact of both, SOC and SH, on the environment and livelihoods
- Feel free to express your thoughts on this issue."

21.4 Activities

N°	Activity	Description
1	Inventory of IAT tools	Benchmark existing soil carbon measure methods and their level of readiness as a measure of impact.

N°	Activity	Description
2	Development of a scientific and comprehensive frame of reference	In Carbon Action MRV system is developed together with international networks
3	Build a Global Soil Reference Database	Build a global soil reference database of → Measured indicators (carbon and other soil health indicators) associated with their contextual data → Clusters of pedo-climatic contexts, land uses and land covers → Context-dependent reference values
4	Training of users	Provide training on an ad hoc basis on use of the CBP/WOCAT platform of tools. Funds would be needed per training.
5	Develop solutions for gap filling and overcoming barriers to implementation	Implement consistent MRVs to provide quality-assessed data to evaluate IAT output and help remedy 'deficiencies' in the empirical tools.
6	Awareness raising	Create wide support for soil health increasing SLM activities leading to possible investments (PES).
7	Explore correlations	Research for improved understanding of correlations between carbon soil performance (carbon storage and carbon dynamic), other soil health indicators (biodiversity, etc.) and the soil clusters.
8	Develop interfaces with carbon market	Address carbon offset market with measurement of Soil carbon sink. Develop interfaces to ensure compliance with carbon market requirements. Deliver a fact-based evaluation of the carbon performance of a land parcel as a carbon sink: - Carbon current stock vs Carbon storage capacity (i.e., standard storage capacity within a given soil cluster) - Carbon characterization (stable, active, labile) - Carbon storage dynamic (past and perspectives)

22 F1-Twin Regions

22.1 Goal F - CROSSCUTTING ACTIONS

Highlight the pertinence of the "4 per 1000" Initiative by initiating and supporting concrete and result-oriented actions on the ground and increase resource mobilization to ensure the long-term viability of the Initiative.

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

22.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Twin-Regions	Launch a pilot project based on "Twin-Regions" concept for large scale climate actions	Launch a twin pilot project that verifies the relevance of the "Twin-Regions" concept for large scale climate actions in 24 municipalities in 3 distinct regions in Europe (Germany, France and Spain) and Africa (DRC, Benin, Mali).	Adoption of twin-regions concept in municipalities of 20 countries.	Adoption of twin-regions concept in municipalities in all countries.

22.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- Revise objective to match targets.
- Are targets ambitious enough and should we not include carbon balance in quantitative terms?

22.4 Activities

N°	Activity	Description
1	Baseline and potential	Land conditions need to be assessed to identify suitable practices that achieve the highest possible emission reduction and carbon sequestration. Key land-use system may be derived from expert judgement. A quantitative land-user survey of >250 households is required.
2	Awareness	Startup activities are required to raise awareness and support at local, subnational, national, regional, continental, and global level. Youth and seniors will play a crucial role.
3	Stakeholders	A committee of stakeholders from both regions should be established to identify the actions necessary to implement climate actions.
4	Overcome cultural differences	Create set of rules for the development of projects including different cultures and languages etc...

N°	Activity	Description
5	Pilot and upscale	A series of pilot actions to verify potential and clarify open questions needs to be launched. This must include the assessment of co-benefits and potential risks.
6	Payment for Environmental Services (PSE)	All projects must be registered for payments for environmental services before the project is completed. The inclusion of a project in the PES is a source of motivation and promotes the participation and inclusion of the local population in the actions and decisions of the project. The PES puts local actors to work.
7	Polluter pays	A transparent and sound system must be developed with the help of public finance and GHG life cycle analysis experts to tax citizens of the global north to fund soil carbon restoration/sequestration activities in the global south.

23 F2-"4 per 1000" Resource Mobilization

23.1 Goal F - CROSSCUTTING ACTIONS

Highlight the pertinence of the "4 per 1000" Initiative by initiating and supporting concrete and result-oriented actions on the ground and increase resource mobilization to ensure the long-term viability of the Initiative.

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

23.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Resource Mobilization	Enhance Resource Mobilization to ensure the long term viability of the Initiative	Total annual budget 2020: 961 K Euros (including core budget of 721 K Euros)	Manage a 2 to 5 million Euros budget.	Manage a 10 to 20 million Euros budget.

23.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- Revise objective to match targets.
- Are targets ambitious enough and should we not include carbon balance in quantitative terms?
- We got too little feedback to develop a complete the implementation strategy
- Consider A2 and D4 to assure that the objective is specific and to avoid overlap.

23.4 Activities

N°	Label	Description
1		
2		
3		

24 F3-"4 per 1000" Dashboard

24.1 Goal F - CROSSCUTTING ACTIONS

Highlight the pertinence of the "4 per 1000" Initiative by initiating and supporting concrete and result-oriented actions on the ground and increase resource mobilization to ensure the long-term viability of the Initiative.

This is goal to which the objective mainly contributes, while keeping in mind the vision, mission, and guiding principles of the "4 per 1000" Initiative.

24.2 Original objective and targets (version 2020)

From the strategic plan version 2020, for comparison. Please provide feedback if you estimate that the new version needs to be improved.

Label	Objective	Baseline 2020	2030	2050
Dashboard	Provide a "4 per 1000" dashboard delivering near real time quantitative information on progress of the Initiative, taking into account partners and members and their actions	Develop Key Performance Indicators (KPIs) as a baseline.	By the end of 2021 the dashbord will be operational and regularly updated. In 2025 the dashboard will be recognized as an international standard.	Dashboard is generally and internationally used as a reference by the community of practitioners.

24.3 Remarks form the study team

Summarized remarks on the objective and targets form the study team:

- While the objective of E2 is monitoring soils F3, this objective; is focusing on progress of the initiative. This must be kept in mind when completing the different sections.

24.4 Activities

N°	Activity	Description
1	Definition, normalization, and prioritization of targets	Collect targets, normalize similar targets, and assign priorities to each target (high, medium, low).
2	Definition and prioritization of requirements	Follow the targets, define the system requirements to achieve the targets and assign priorities for each requirement (high, medium, low).
3	Agile development	Development in short iterations, e.g., 2 weeks. Deploy new version after each iteration.
4	Extensive testing	Permanent testing in pace with development.

N°	Activity	Description
5	Data management	Preparation of data to be presented.
6	Active Reporting	Keep stakeholders involved, actively supply them with information and progress of the initiative.