



Reference document 4.1

Becoming familiar with Living labs for improving soil health

Methodology to implement workshops using the conceptual framework

Authors : M Mambrini Doudet (Inrae), B Goedel (Inrae), Laura Nougues (Deltares), Gerald Jan Ellen (Deltares), Judit Berenyi Uveges (OMKI)

Comments and remarks to muriel.mambrini@ird.fr and yann.raineau@inrae.fr

Introduction

The aim of the workshop is

- ✔ Make everyone more familiar with the LL concept, and their specific attribute to improve soil health
- ✔ Use easily the conceptual framework as common ground to discuss challenges
- ✔ Complete the framework and point out the knowledge or practice missing

The workshop is built on the conceptual framework produced in task 4.1. It gathers the knowledge on what is to be improved for soil health for different land use and what can be expected from LL to accelerate the capacity to get healthy soils. The scenario of the workshops has been prepared by the partners of task 4.1 (more specifically Inrae, Deltares and OMKI).

Specifics of the workshop

- Duration 1h40 for the participants, 2h for the organisers
- Title & Objective: get the common vision of what LL for soil health are
- Expected outcomes
 - ✔ Connecting (glueing) stakeholders and scientists from different backgrounds
 - ✔ Build a common ground
 - ✔ Not having the same discussions again and again... incentivize the use of the conceptual framework
 - ✔ Contribute to the refinement of the conceptual framework and agree on missing knowledge
- Material ("kit")
 - Remote link and 4 breakout sessions/one main room and 4 subrooms for subgroups

- Power point presentation for the introduction and the following up of the workshop (provided)
- [Miro board](#) ¹(provided and to be completed at each workshop) with the conceptual framework and 8 mind maps outlining the specific aims, participants, activities and context of 8 different living labs for soil health
 - For the 1st breakout session
 - The generic features of a LL for soil health
 - Agroecosystem LL for soil health
 - Industrial LL for soil health
 - Urban LL for soil health
 - For the second breakout session
 - Natural areas LL for soil health
 - Forest LL for soil health
 - Shore LL for soil health
 - Mountain LL for soil health
- Optional : The PREPSOIL report 4.1 detailing the background and the conceptual framework (provided)
- Method
 - After a short introduction of the general conceptual framework, the participants are invited to complete the different mind maps in subgroups during two breakout sessions
 - Breakout 1 : complete the features of LL for which there are already examples and for types of soil use for which stakeholders are easy to identify
 - This session makes the participants quickly familiar with the specifics of LL, activities, aims, context or participants resonate with current knowledge or practice or will for improvement whatever is the background of the participant
 - Breakout 2 : imagine features of LL for which there is not or seldom examples, for which the identification of the set of stakeholders, the way soil is managed, the extent of soil use is not obvious
 - This session helps the participants to quickly use what they learn from the previous session to imagine new attributes
 - A sort collective conclusion

Recommendations:

The workshop shall begin sharp, skipping any collective presentation to save time, there is time, in the breakout sessions to share what we know.

Only the facilitators are presented so that they are easily identified. They shall meet 20 minutes before the first participants are welcome in the main room, to adjust.

In the different breakout session, the mind maps specifying the features of the LL foreseen for each soil type are the drivers of the discussion and the frame to add inputs. They are used by the facilitators to engage the collective discussion that will help to add, outline, minder, the different features and identify what is missing most. If participants are familiar with MIRO or alike apps, they are invited to add items, if not, the facilitator has to add it him/her self.

¹ [https://miro.com/app/board/uXjVMevYY-I=](https://miro.com/app/board/uXjVMevYY-I/)

The participants might want to read the background and the conceptual framework ahead; it is really not necessary, our experience is that participants quickly jump in, but if so, the report 4.1 should be made available, therefore, it is part of the “kit”.

Follow the synopsis of the workshop, and the detailed agenda to be shared by the manager of the workshop with the facilitators

Roles in the breakout room sessions:

Facilitator and expert

- records meeting
- shares his/her screen on the miro,
- clarifies if necessary or ask the participants for their interpretation
- drives the participants to read the mind maps and add significant items to the 4 dimensions of the LL (1st breakout) and to imagine the LL in natural areas (2nd Breakout)
- adds items to the mind maps for the participants who may not master easily adding on it
- leads discussion
- fill in put post-it in Miro
- check the clock
- summarizes the main findings for the plenary session

Other actors (experts)

If other colleagues from PREPSOIL or experts in LL for soil health can attend, best is to split in the different groups and the facilitator might ask them to become part of the team as note takers, time keepers, rapporteurs

4 breakout rooms with following names:

1st breakout

4 rooms are open

At best with 4 diverse thematic

- Generic features of LL for soil health
- Agroecosystems LL
- Urban LL
- Industrial LL

A pool is organized after the introduction and before the breakout session so that participants declare their interest to one or the other thematics. The different rooms are filled in according to participants' interest; it might be that they are more willing to contribute to the agroecosystems than to the urban and industrial LL for example; then the organizer has to adapt and balance the number of people in the 4 breakout room, eventually by opening two rooms for the agroecosystem, but encouraging those who do not feel so confident with the other fields to contribute to the work to be undertaken for the generic features. The minimum diversity will be 2 rooms for generic features, 2 rooms for Agroecosystems LL.

2nd Breakout

4 rooms are open to work on 4 different situations

- 1: Protected area LL for soil health
- 2: Forest LL for soil health
- 3: Mountain area LL for soil health
- 4. Shore LL for soil health

The participants are allocated according to their choice

TIME	WHAT	ACTIVITIES
0	<p>Internal meeting last Preparation & briefing among the facilitators</p> <p>From +20 min on</p>	<p>Check the schedule and the role of each of us</p> <p>Check the access and easiness of working with the Miro</p> <p>Check the breakout room</p> <p>The workshop manager shares the hosting of the remote connection with all facilitators</p> <p>Participants are authorized to enter the meeting, informal exchanges and discussion, they present themselves</p>
+20 – +40 min	<p>The workshop formally begins</p> <p>Introduction</p>	<p>Welcome & objective the workshop (Manager of the workshop); presentation of the team of facilitators</p> <p>Introduction to the objectives of the workshop and conceptual framework (powerpoint presentation, Manager)</p> <p>Presentation of the detailed agenda and the way to enter the Miro Board</p>
+40 – +45 min	Preparation of the 1st breakout session	<p>Ask the participants on which soil use they want to work to refine the label of the different rooms. The participants choose their room</p> <p>Allocation in the breakout room will then be discussed for eventual balance</p>
+45 – +1h15	1st breakout session	<p>4 parallel sessions on LL representations either generic or for agroecosystems, urban or industrial land uses (break out rooms), for which participants will have to add features</p> <ul style="list-style-type: none"> • Generic features of LL for soil health • Agroecosystems LL • Urban LL • Industrial LL

		<p>The thematic of the rooms will be decided according to the choice of the participants; at minimum there should be 2 rooms for one specific land use and 2 rooms for generic features; but more diversity has to be encouraged</p> <p>Participants will decide themselves in which room they will enter</p> <p>1 Facilitator per room + eventually other roles depending on the participation of other colleagues from PREPSOIL or experts in soil health LL (note taker, time keeper, rapporteur)</p> <ul style="list-style-type: none"> • The way to proceed is left open to the will of the facilitator, at minimum he/she shares his/her screen with the Miro Boards and there are two options, not exclusive from each other: the facilitator add items on the Miro Board based on the input of each one, each participant adds him or herself his input on the Miro board. Each idea should be inscribed on a sticky note not to miss any <p>What is expected from the participants</p> <ul style="list-style-type: none"> • adding: what is missing? • emphasizing: what should be better emphasized? • doubting: what is questionable? • missing: what kind of expertise do need to best refine the maps?
+1:15 - +1:20	Plenary session	<p>Rapid come back with a short ice re-breaker</p> <p>If participants still want to add something to the framework, they can go to the Miro space</p>
+1h20 – +1:25	Preparation of the 2nd breakout session	<p>Presentation of the 4 parallel sessions (break out rooms) and the 4 different land use for which LL has to be imagined, to contribute to one of the 8 specific objectives regarding soil health</p> <ul style="list-style-type: none"> • 1. Protected area LL for soil health • 2. Forest LL for soil health • 3. Mountain area LL for soil health • 4. Shore LL for soil health <p>Participants choose their room, the organisers ask for a balance</p>

		<p>What is expected from the participants</p> <ul style="list-style-type: none"> • Specifying the aim of such LL • Imagine particular activities • Choose what to be implemented 1st <p>The facilitator should be prepared to sum up the inputs in max 2 min for the plenary session</p>
+1h25 – +1h45	Ideation exercise in breakout rooms	<p>1 Facilitator + eventually other roles depending on the participation of other colleagues from task 4.1 (note taker, time keeper, rapporteur)</p> <p>In each room, 1 Facilitator + eventually other roles depending on the participation of other colleagues PREPSOIL or experts in LL for soil health (note taker, time keeper, rapporteur)</p> <ul style="list-style-type: none"> • Suggestion to proceed : the facilitator ask the participants to agree on one of the 8 objectives for soil health they want to imaginary LL to contribute to • Then the facilitator goes from dimension to dimension, beginning by the aim, the participants, then activities, then context), and ask participants to imagine what should be the attributes if we want the LL to support the improvement of the chosen soil health objective. <p>What is expected from the participants</p> <ul style="list-style-type: none"> • Find the aim of such LL in natural area for soil health, agree on the aim • Based on the aim, what will be easy? • Based on the aim, what will be more difficult? <p>What is expected from the facilitator is to help the participants to freely imagine, and to choose collectively at the end 1 action to be taken to help develop such LL</p> <p>The facilitator should be prepared to share as quickly as possible the two following inputs at the next plenary session</p> <ul style="list-style-type: none"> • the aim of the LL that the group has identified • the 1st action to be undertaken

+1h45-+2h00	Feed back from the 2nd breakout and collective Conclusions	<p>Plenary feedback from 4 sessions (4 x 2'): each facilitator share</p> <ul style="list-style-type: none"> • The aim of the LL • The 1st action to be undertaken <p>The conclusions will be collectively built, the manager will ask each participant to open their camera if not done, and ask each of the participants, to give one main recommendation for the future (next step for the conceptual framework, for PREPSOIL, for any LL, for the natural LL, for the workshops; all input will be welcome</p> <p>The manager thanks for participation and present the way the results can be used</p> <ul style="list-style-type: none"> • <i>Refinement of the framework for the next workshops (open access to the Miro Board)</i> • <i>Feed back sent by the organizer to the PREPSOIL team and should be made available to the Soil Mission board</i>
-------------	--	--