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20-21 October 2020

EIP-AGRI Workshop Shaping the EU mission 'Caring for soil is caring for life'

# HORIZON EUROPE PROPOSED MISSION

## CARING FOR SOIL IS CARING FOR LIFE



### Living Labs and Lighthouses



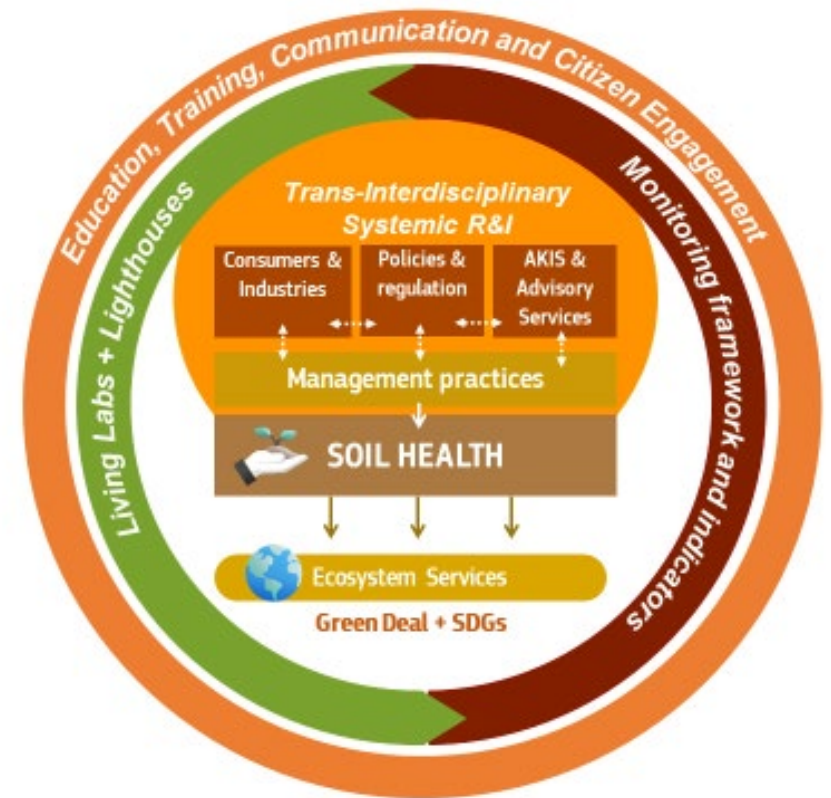
Alfred Grand, Member of the Mission Board for Soil Health and Food.  
(Organic farmer and entrepreneur)

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# Meet the mission building blocks:

The mission has identified **building blocks** and **supporting actions** to support these activities:

1. A cross-scale, inter and transdisciplinary **R&I programme**;
2. Co-creation of knowledge and testing of solutions in **Living Laboratories and Lighthouses**;
3. A consistent set of 8 indicators in a robust **soil monitoring programme** at EU and MS level equivalent to that for air, water and biodiversity;
4. **Training, education, communication and citizen engagement** embedded in all activities

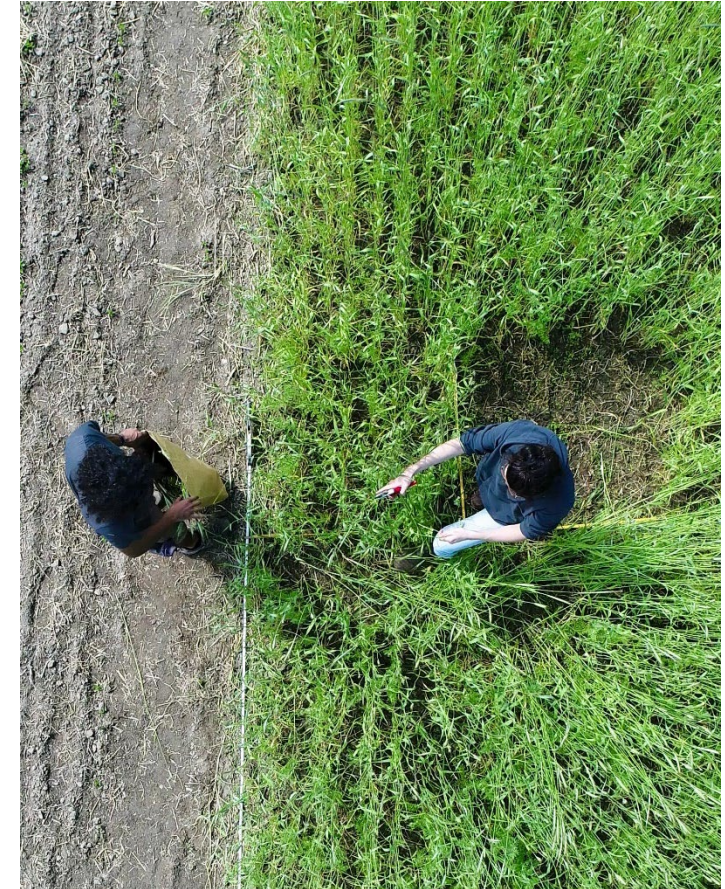


# What are ... ?

**Living Labs (or Living Laboratories) are spaces for co-innovation through participatory, transdisciplinary and systemic research.**

They allow highly committed landowners and land managers, stakeholders from various sectors, public authorities and citizens, including consumers, to work together with researchers from multiple disciplines to develop solutions and identify gaps in our knowledge on soil health.

(e.g. agroecological or organic methods)



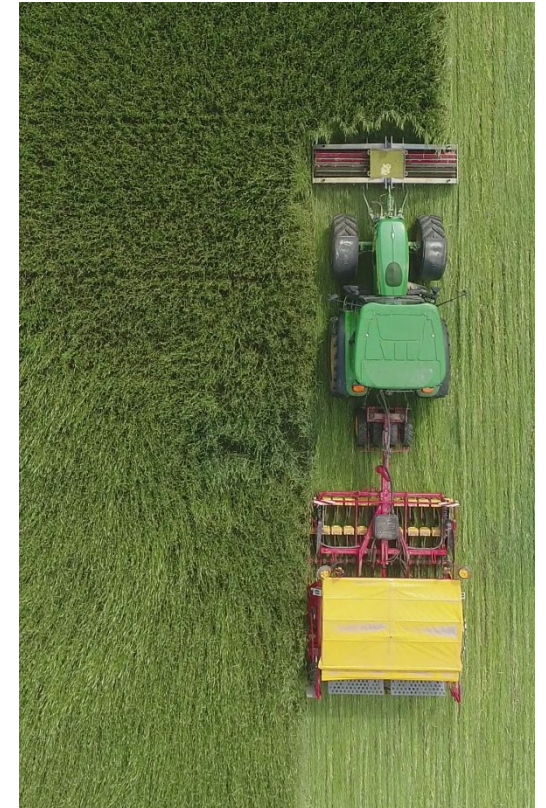
# Living Labs:

**Co-design and co-construction of innovative practices beyond current understanding** with inputs from citizens, practitioners (e.g. farmers, foresters, landscape managers), advisory services, biophysical and social scientists, data scientists and technologists, planners and policy makers, business, educators and trainers.

**Experimental and research and innovation activities**, moving beyond current management practices

**Robust scientific approach** embedded taking an interdisciplinary and always when possible, a transdisciplinary approach

**Wide range of outreach activities**



# What are ... ?

**Lighthouses are places for demonstration of solutions, training and communication.**

In the area of agriculture for instance, **lighthouses** will showcase practices that are exemplary in terms of providing **sustainably produced**, healthy **food, feed or fibre**, as well as **ecosystem services**, while **linking rural and urban communities**.

They will bring together land managers, advisors and citizens.



# Lighthouses:

**Demonstration of best management practices** in various sectors and various types of land use which improve soil health

**Research activities focused around improving current management practices** that are clearly linked to one or more of the soil health targets

**Active outreach and engagement activities** with biophysical and social sciences embedded in all activities to address the quantification of risks and opportunities, cost-benefit analysis, wider systems' impacts including those on food, forestry and urban systems

**Active outreach and engagement programmes**



# Numbers?

The ambition is to establish in the first years of the mission **at least five, preferably ten living labs and/or lighthouses in each of the regions of the EU.**

This will result in **1000 – 2000 living labs and lighthouses as incubators and demonstrators of change.**

**Regional clusters of 10-15 units** of Living labs and Lighthouses will be grouped (farms, forests, industrial areas and urban settings), which will allow **co-innovation** at landscape and watershed levels. Networking between these clusters will allow sharing and benefiting from experiences all over Europe.







GRAND FARM

# GRAND FARM for Research and Demonstration:

- Organic arable field
- Agroforestry
- Market Gardening

90 hectare, 40 km NW Vienna

[www.grandfarm.at](http://www.grandfarm.at)



# GRAND FARM

Innovation • Research • Demonstration





GRAND FARM

# Video:





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# Soil Health



# Agroforestry



# Market Gardening





GRAND FARM

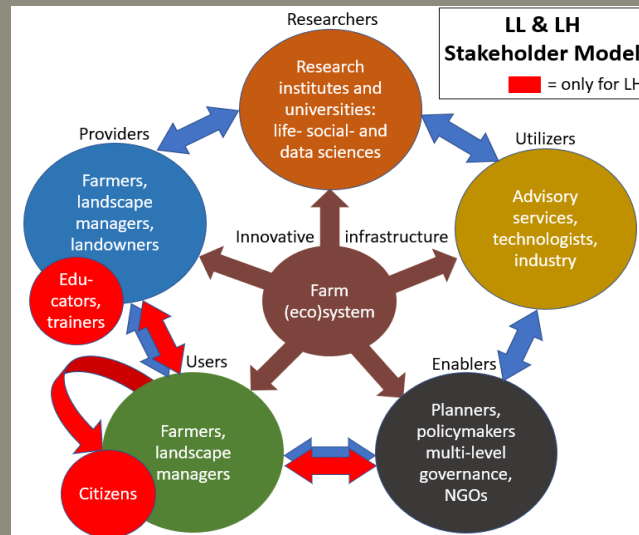
# Project Framework: Living labs and Lighthouses for Farm land use

Howard Koster, Master Student Uni Wageningen

5 months internship at GRAND FARM

50% on farm training

50% research project:



- **What do you think, Lighthouses and Living Labs can contribute to the mission?**
- **Could you imagine being part of this adventure?**

**Thank you for your interest!**



**#MissionSoil  
#EUmissions #HorizonEU**

<http://ec.europa.eu/mission-soil>



# Useful links

- **EU mission Caring for soil is caring for life (mission report)**

<https://op.europa.eu/en/publication-detail/-/publication/4ebd2586-fc85-11ea-b44f-01aa75ed71a1/language-en/format-PDF/source-159637857>

- **Video on the Mission on Soil health and food** [https://www.youtube.com/watch?v=53bbzE2lpKc&feature=emb\\_logo](https://www.youtube.com/watch?v=53bbzE2lpKc&feature=emb_logo)

- **Mission report handover to the European Commission (EU R&I Days)**

<https://youtu.be/oAG5-CQIOoc>

- **Soil mission session (EU R&I Days)**

<https://research-innovation-days-conference.online/hubs/mission>

- **On a mission to save our soils - the EU's plan to rebuild the land (Futuris episode, euronews)**

<https://www.euronews.com/2020/09/21/on-a-mission-to-save-our-soils-the-eu-s-plan-to-rebuild-the-land>

# EIP-AGRI workshop

## Shaping the EU mission

### 'Caring for soil is caring for life'

Online 20-21 October 2020

All information of the workshop is available on  
[www.eip-agri.eu](http://www.eip-agri.eu)

on the event webpage  
<https://ec.europa.eu/eip/agriculture/en/event/eip-agri-workshop-shaping-eu-mission-soil>

