



FRAMEwork network map and related activities

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1 Background to the FRAMEwork project

1.1 FRAMEwork Project

Biodiversity is essential for agroecosystem resilience, sustainability, and long-term food security. Traditionally, management for short-term economic returns has taken priority over management for the environment. Current mechanisms for compensating and encouraging farmers to apply biodiversity sensitive management strategies are often inefficient, being applied at individual farm rather than landscape level, and tend to be generic solutions, imposed from the top down at an EU or national level. Monitoring is rarely carried out and there is therefore little scope for evaluating the success of strategies in achieving improvements to farmland biodiversity.

The FRAMEwork project has been designed and develop a novel alternative to this called the **FRAMEwork System for Biodiversity Sensitive Farming** to enable the transition of EU farming systems to a position where they can conserve biodiversity and benefit from the enhancement of ecosystem services, while mitigating agronomic or economic risks. The FRAMEwork System combines the following elements:

- **Advanced Farmer Clusters** – local farmer groups working as a collective to deliver landscape scale management, supported by a Cluster Facilitator with expertise in agriculture and the environment, and linked to a local Cluster Stakeholder Group to inform and promote policy and practice, organised into regional, national, and international networks.
- **Technical Resource** – technical specialists associated with the regional, national, international networks to provide technical information, methods, and tools to support agrobiodiversity monitoring, management and policy including the dedicated DSTs – FRAMEselect and FRAMEtest.
- **Scientific Innovation** – researchers associated with regional, national, international networks to provide knowledge on the ecology, sociology and economics that underpins the functioning of sustainable agricultural systems.
- **Citizen Observatory and Information Hub** – an open access platform to support FRAMEwork networks, sharing activities, information, data and resources between farmers, scientists, policy makers, and citizens.

The FRAMEwork project designs, builds, tests, and deploys a prototype of the FRAMEwork System for Biodiversity Sensitive Farming and works with 3 concepts important to the success and delivery of the project: (i) promoting collective landscape management; (ii) applying the approach across a diversity of European farming systems; and (iii) understanding and supporting the social and ecological change associated with a transition to biodiversity sensitive farming.

1.2 Project Partners

No	Participant organisation name	Type	Country
1*	The James Hutton Institute (HUTTON)	Research Inst	UK
2	Game and Wildlife Conservation Trust (GWCT)	Non-profit	UK
3	Groupe de Recherche en Agriculture Biologique (GRAB)	Non-profit	FR
4	Universität für Bodenkultur Wien (BOKU)	University	AT
5	Eesti Maaulikool (EMU)	University	EE
6	Höhere Bundeslehr- und Forschungsanstalt für Landwirtschaft Raumberg-Gumpenstein (AREC)	Research Inst	AT
7	Fundacion Artemisan (ARTEMISAN)	Non-profit	ES
8	Scuola Superiore di Studi Universitari e di Perfezionamento Sant'anna (SSSA)	University	IT
9	The University of Hertfordshire Higher Education Corporation (UNI OF HERTS)	University	UK
10	Centro de Investigacion Ecologica Yaplicaciones Forestales Consorcio (CREAF)	University	ES
11	Institut National de la Recherche Agronomique (INRA)	Research Inst	FR
12	Internationales Institut für Angewandte Systemanalyse (IIASA)	Research Inst	AT
13	Universiteit van Amsterdam (UvA)	University	NL
14	Luxembourg Institute of Science and Technology (LIST)	Research Inst	LU
15	Universität Osnabrueck (UOS)	University	DE
16	Taskscape Associates Limited (TAL)	SME	UK
17	Ceska Zemedelska Univerzita v Praze (CULS)	University	CZ
18	Nordisk Fond for Miljo og Udvikling (NORDECO)	SME	DK

*Coordinating institution

1.3 Purpose and structure of the demonstrator deliverable

The purpose of this demonstrator deliverable “*FRAMEwork network map and related activities*” (D3.4) is to demonstrate work taking place in the context of *WP3: Citizen Observatory and Information Hub*. The main objectives of WP3 are:

- to establish an in-situ citizen-based biodiversity observatory around 11 FRAMEwork Farmer Clusters as well as an online Information Hub (O3.1);
- to develop suitable approaches to engaging farmers in biodiversity observations using citizen science tools and methods (O3.2);
- to implement engaging citizen monitoring and observations campaigns locally to raise public awareness of biodiversity (O3.3);
- to connect with other biodiversity monitoring initiatives and networks to exchange knowledge and maximise joint impact (O3.4);
- to ensure data interoperability of farmer and citizen generated data with other sources, such as the harmonised cluster monitoring data (WP2/WP5) and external data platforms, such as GBIF (O3.5).

The associated *Task 3.4 Networking and exchange with existing Citizen Observatory networks and citizen-based biodiversity monitoring projects in farmland landscapes* fosters collaboration with other citizen observatory networks, biodiversity monitoring initiatives and local stakeholders to strengthen FRAMEwork's impact at the intersection of agriculture, biodiversity and citizen science. Networking activities revolve around topical working groups, such as the establishment and support of the ECSA Agri-food working group, conference contributions and other topical networking and knowledge exchange events across Europe. Additionally, local collaboration networks were essential to the organisation and implementation of local citizen science activities in and around FRAMEwork Farmer Clusters.

A demonstrator deliverable refers to a tangible, functional example that illustrates how an approach is put into practice. Rather than describing results in a report, the demonstrator provides a prototype that stakeholders can interact with. This demonstrator deliverable takes the form of visual prototypes of the network across three different map applications, including map layers on Recodo, iNaturalist and Padlet, illustrating different components of the network and visualizing different network actors and activities.

The functional demonstrator examples can be accessed here:

1. [FRAMEwork Recodo map layer: Citizen Science Network](#)
2. [ECSA's Agri-food Working Group Padlet map: Mapping Agri-food Citizen Science Projects](#)
3. [FRAMEwork Citizen Biodiversity Observatory on iNaturalist](#)

Section 2 of this demonstrator document describes the network components of example 1 in more detail, while section 3 provides a brief overview of the map visualisations of examples 1-3.

1.4 Executive Summary

This document outlines three interconnected components that strengthen citizen science in European agri-food systems: the FRAMEwork actor network, the ECSA Agri-Food Working Group, and wider conference and outreach activities. Together, they link farmers, citizens, scientists, NGOs, policymakers, and educators to advance biodiversity-friendly farming.

The **FRAMEwork network** spans 11 Farmer Clusters in nine countries, involving 75+ actors in co-created biodiversity monitoring and education. Through activities such as BioBlitzes, species surveys, soil and pollinator workshops, and school engagement, the network integrates scientific and local knowledge, empowers local communities, and supports sustainable farming practices.

The **ECSA Agri-Food Working Group** serves as a hub for collaboration on soil health, biodiversity, agrobiodiversity, and sustainable food systems. Since 2022, it has hosted online exchanges, workshops, and a joint publication, fostering methodological innovation and alignment with EU missions while connecting researchers, NGOs, farmers, and policymakers.

Conferences and outreach between 2021 and 2025 have expanded visibility and policy impact through 30+ events, publications, and expert engagements, positioning citizen science as a credible tool for biodiversity and agricultural monitoring.

Three **visualisation platforms**—Recodo, Padlet, and iNaturalist—map actors, activities, and biodiversity data. The iNaturalist umbrella project alone has generated 10,400+ observations of 2,200+ species, demonstrating the collective impact of participatory monitoring across Europe.

2 Description of network components and map layers

The network is comprised of three main components:

- FRAMEwork citizen science actor network and related activities in Farmer Clusters
- ECSA Agri-Food working group activities
- Conferences and other activities

Together they form the sum of actors and activities to strengthen citizen science in the agricultural domain across Europe with a focus on strengthening biodiversity-friendly farming approaches.

2.1 FRAMEwork citizen science actor network and related activities in Farmer Clusters

The FRAMEwork Citizen Science Actor Network is a Europe-wide endeavor to strengthen biodiversity-sensitive farming by connecting farmers, citizens, scientists, institutions, and local stakeholders in a collaborative, place-based model of citizen science. Operating across 11 Farmer Clusters in diverse agricultural regions—including France, Luxembourg, the UK, Austria, Spain, Estonia, Italy, the Czech Republic, and the Netherlands—the network brings together over 75 distinct actors to co-develop and implement locally embedded biodiversity monitoring and education activities. These include BioBlitzes, species monitoring, pollinator and soil workshops, camera trap surveys, bird nest and bat box observations, and educational events involving schools and the wider public.

The strength of this actor network lies in its diversity and depth of cooperation. Research institutions such as INRAE (France) and BOKU (Austria) lead on methodological development and scientific rigor, while NGOs like [BirdLife Czech Republic](#), [Scottish Wildlife Trust](#), and [Earthwatch Europe](#) play a crucial role in community engagement and training. Local authorities such as the Aguilar de la Frontera Council (Spain) and Aberdeenshire Council (UK) provide institutional support and visibility. Educational institutions, including [Mittelschule Allhartsberg](#) (Austria), actively involve students in real-world biodiversity monitoring, fostering early ecological literacy. Meanwhile, farmers and cooperatives, such as the [Ramborn Cider Company](#) (Luxembourg), [Aubauernhof](#) (Austria), and [Hoeve Vredeveld farm](#) (Netherlands), host monitoring activities on their land, integrating citizen science directly into working landscapes. By embedding science within everyday agricultural contexts, this model enables mutual learning between scientific and local knowledge systems. It empowers citizens to contribute meaningfully to biodiversity data collection while making science more accessible and grounded. At the same time, it supports farmers in adopting more sustainable, biodiversity-friendly practices by offering data, tools, and community validation. The network also connects to broader biodiversity platforms and EU policy frameworks, ensuring that the locally generated data are interoperable, relevant, and impactful at multiple governance levels. Ultimately, the FRAMEwork actor network fosters ecological awareness, rural resilience, and community cohesion, while strengthening the science-policy-practice nexus. It demonstrates how inclusive, well-coordinated citizen science can contribute not only to environmental monitoring but also to a more participatory and sustainable vision for sustainable agriculture in Europe.

A detailed list of actors and activities can be found in Appendix 1. More details about the specific citizen science activities in Farmer Clusters with farmers and the wider public can be found in [Deliverable 3.2 The FRAMEwork approach to farmer-based biodiversity and ecosystem services monitoring](#) (Hager et al. 2024a), associated [Farmer Cluster Activity Briefs](#) (Hager et al. 2024b) and

[Deliverable 3.3 Engaging the wider public in farmland biodiversity monitoring: campaign design and implementation](#) (Kragh et al. 2025).

2.2 ECSA Agri-Food working group activities

The [ECSA Agri-Food Working Group](#) serves as a dynamic and inclusive hub for advancing citizen science in agriculture and food systems, with a strong focus on soil health, biodiversity, agrobiodiversity, and sustainable food practices. Since its launch in October 2022, the group has grown into a vibrant community of practice, hosting more than 20 online meetings, three in-person workshops (Paris, Montpellier, and the ECSA 2024 conference), and publishing a joint journal paper that reinterprets ECSA's Ten Principles of Citizen Science for the agri-food context. This network has attracted a wide range of stakeholders including researchers, NGOs, farmers, educators, policymakers, and Living Lab practitioners from across Europe and beyond.

Key activities include in-depth exchanges through online presentations, featuring projects such as [SHOWCASE](#), [FRAMEwork](#), [RADIANT](#), [ECHO Soil](#), and [Lab4Supply](#), which explore participatory monitoring of soil, seeds, biodiversity, and food systems. These sessions offer insights into practical methods, co-creation processes, and challenges in engaging farmers, schools, and communities. The group also held focus groups, such as the one on Nature-Based Solutions (NBS) and citizen science and mapped ongoing agri-food citizen science initiatives through a shared Padlet tool.

Its in-person gatherings, hosted by INRAE, focused on adapting policy tools, stakeholder mapping, and fostering collaboration through Responsible Research and Innovation (RRI) and Open Science principles. The joint session at [ECSA 2024](#) and the upcoming [ECSA 2026](#) panel further elevate agri-food citizen science by addressing topics from soil monitoring to diet transformation, food waste, and agroecological knowledge revival.

The added value of this network lies in its role as a facilitator of cross-sectoral collaboration, knowledge exchange, and methodological innovation. It builds bridges between academic research and grassroots initiatives, making participatory approaches more impactful, coherent, and aligned with EU policy priorities such as the Soil Mission and Food 2030. Through this platform, diverse actors can collectively shape more inclusive, sustainable, and resilient food systems rooted in real-world, co-produced evidence.

A detailed list of activities can be found in Appendix 2.

2.3 Conferences and other activities

The conference and outreach activities undertaken by partners in EU-wide agri-food citizen science initiatives—particularly through the FRAMEwork project, ECSA, and partners like IIASA, NORDECO, and CREAM—have played a key role in scaling impact, increasing visibility, and deepening engagement with citizen science in agriculture and food systems across Europe and globally.

Between 2021 and 2025, around 30 strategic events, presentations, expert consultations, publications, and policy engagements contributed to mainstreaming citizen-generated data in agriculture and biodiversity monitoring. These include participation in leading academic conferences (e.g., [ECSA](#), [ESP Europe](#), [IOBC-WPRS](#), [European Society for Rural Sociology](#), and the [International Symposium on Digital Earth](#)), which showcased case studies on farmer-led biodiversity monitoring,

interoperability between citizen and expert data, and inclusive participatory practices—particularly with hard-to-reach communities.

Several high-impact publications in journals such as [Nature Reviews Methods Primers](#), [Nature Sustainability](#), [Ambio](#), [Trends in Ecology & Evolution](#), and [BioScience](#) have shaped international debates around citizen science, data sovereignty, and AI in conservation. NORDECO's involvement in expert groups—such as the [UN Citizen Science Global Partnership](#), [CODATA Task Group](#), and [GEF Civil Society Forum](#)—positioned citizen science as a credible tool for monitoring the Sustainable Development Goals (SDGs) and the Kunming-Montreal Global Biodiversity Framework. This body of work influenced policy at both national and international levels. Contributions to the Nordic Council of Ministers, the Danish Ministry of Foreign Affairs, and the Global Environment Facility (GEF) elevated the role of community-based monitoring and local ecological knowledge in development and environmental strategy.

Additionally, platforms like the [Groundswell Festival and Networking Biodiversity](#) events connected scientific insights with practice on the ground, particularly in farming and food systems. Presentations emphasized co-production, community building, and the transformative potential of citizen science in rural areas.

Overall, these activities enhance the strategic importance of citizen science in agri-food systems by:

- bridging science, policy, and practice;
- demonstrating measurable contributions to biodiversity monitoring and sustainable agriculture;
- influencing policy agendas at national, EU, and global levels;
- fostering inclusive participation across farming communities and rural regions; and,
- enhancing interoperability and credibility of citizen-generated environmental data.

This concerted effort strengthens the EU-wide ecosystem for citizen science in agriculture, contributing to more resilient, evidence-informed, and participatory food systems. A detailed list of activities can be found in Appendix 3.

3 Visualisation of network components

Three map visualisations are available on Recodo, Padlet and iNaturalist focussing on different aspects of the FRAMEwork citizen science network.

3.1 Recodo map

The [FRAMEwork Recodo map layer: Citizen Science Network](#) (Figure 1) visualises the main components of the FRAMEwork network map and related activities, with 128 single items:

- FRAMEwork citizen science actor network and related activities in Farmer Clusters: **77 actors and collaborators across 11 Farmer Clusters** (Figure 2).
- ECSA Agri-Food working group activities: **25 activities between October 2022 and September 2025**.
- Conferences and other activities: **26 conferences and other activities between June 2021 and July 2025**.

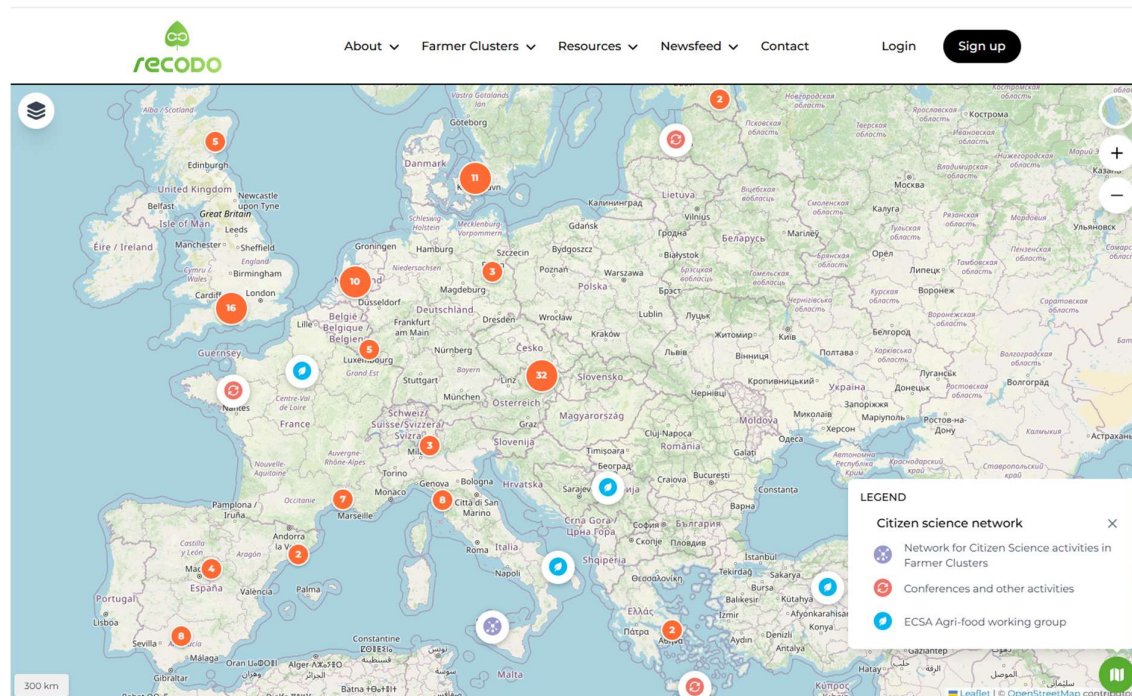


Figure 1. Recodo map layer: Citizen Science Network (Recodo.io; 08.09.2025).

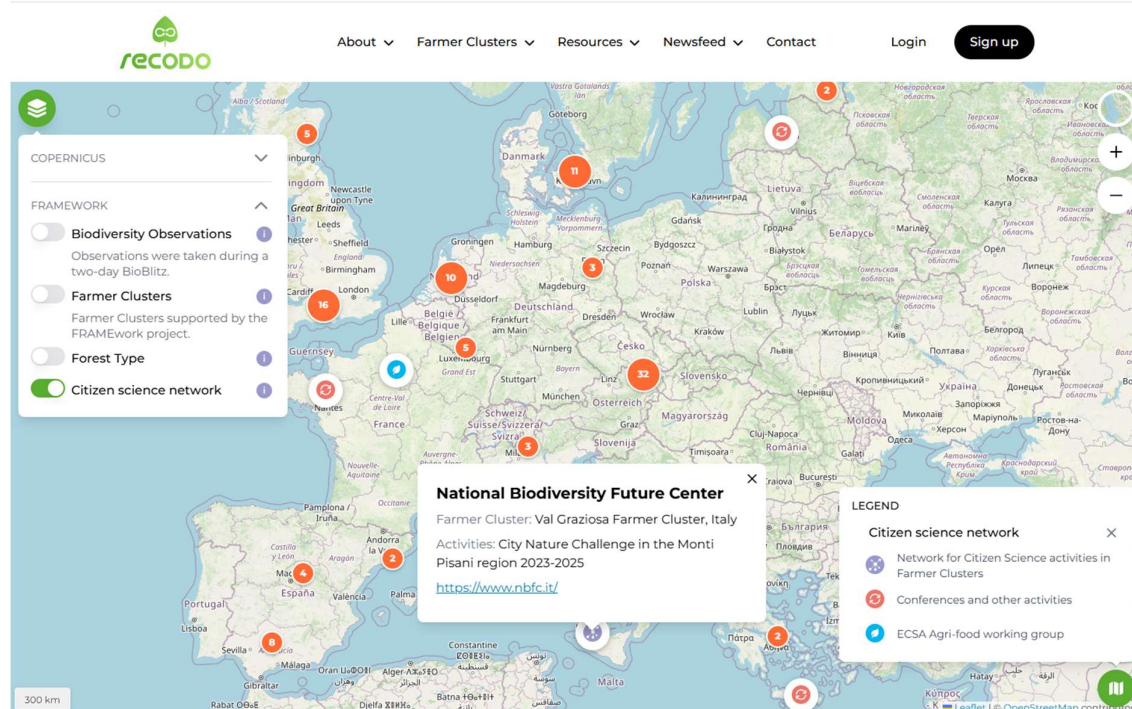


Figure 2. Detail of Recodo map layer, displaying details about a collaborator in the Network of Citizen Science activities in Farmer Clusters (Recodo.io; 08.09.2025).

3.2 Padlet map

[ECSA's Agri-food Working Group Padlet map: Mapping Agri-food Citizen Science Projects](#) (Figure 3), invites practitioners and researchers to add their agri-food citizen science projects to the map.

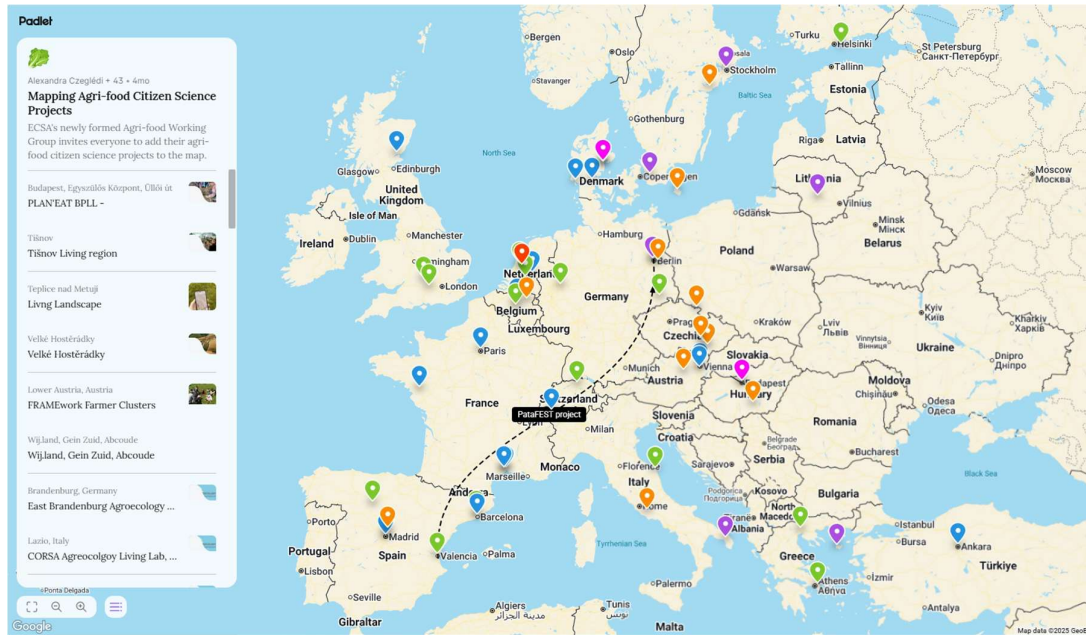


Figure 3. Mapping Agri-food Citizen Science projects and Living Labs, ECSA Agri-food working group 2022-2025 (Padlet.com; 08.09.2025).

In September 2025, the [ECSA Agri-food working group](#) has 28 active members, 122 members on the working group's mailing list and a collection of 58 Agri-food Citizen Science projects and Living Labs on the Padlet map (Figure 4), added by 43 contributors.

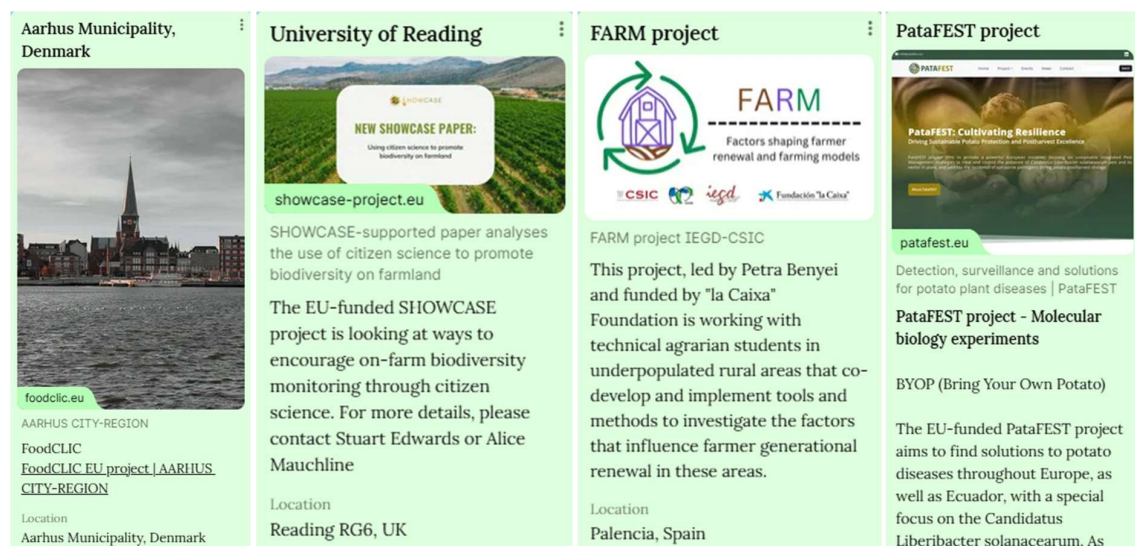


Figure 4. Examples for project entries on the Padlet map (Padlet.com; 08.09.2025)

3.3 iNaturalist map

FRAMEwork Citizen Biodiversity Observatory on iNaturalist – This iNaturalist umbrella project combines the local activities of the different farmer clusters and includes these 10 local iNaturalist projects and places (Figure 5):

- Artenvielfalt im Mostviertler Grünland;
- Biodiversity in the Aden Country Park area of Aberdeenshire, Scotland;
- City Nature Challenge 2023-Monte Pisano -Cluster Biodiversità Italia;
- City Nature Challenge 2024-Monte Pisano;
- City Nature Challenge 2025-Monte Pisano -Cluster Biodiversità Italia;
- Cranborne Chase Farmer Cluster;
- FRAMEwork Eesti – Elurikkus Kanepi kandis;
- FRAMEwork – Biodiversity in orchards of the Mullerthal;
- Mini-BioBlitz FRAMEwork Aguilar; and,
- První BIO region Velké Hostěradky.



Figure 5. Stats and map of iNat projects, places, observations, species and community (iNaturalist.com; 08.09.2025).

Within the FRAMEwork project timeframe, 10,400+ observations of 2200+ identified species have been taken by 650+ observers locally. 1400+ identifiers from the iNaturalist online community have helped generate 17,000+ identifications and verifications, improving the quality of the collected data (Figure 5). 5,500+ observations (53.5%) have gained “Research grade” status and been ingested in the Global Biodiversity Information Facility (GBIF).

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Appendix 1 – FRAMEwork citizen science actor network and related activities in Farmer Clusters

Partner name	Farmer Cluster	Activities	URL
Agrinichoirs	Basse-Durance Farmer Cluster, France	Bat boxes and bird nests settlement in orchards	https://agrinichoirs.fr/
Fête de la Science - Provence-Alpes-Côte d'Azur	Basse-Durance Farmer Cluster, France	Bat box observations, Open field day	https://www.fetedelascience.fr/observation-de-gites-chauve-souris
Groupe Chiroptères de Provence	Basse-Durance Farmer Cluster, France	Bat box observations, Open field day	https://www.gcprovence.org/
INRAE	Basse-Durance Farmer Cluster, France	Predation assessment with predation cards, Bat box observations, Open field day	https://www.inrae.fr/centres/provence-alpes-cote-dazur
Grab	Basse-Durance Farmer Cluster, France	Bat boxes and bird nests settlement in orchards, Bat box observations (summer and winter time), Open field day, Predation assessment with predation cards	https://www.grab.fr/
Luxembourg Institute of Technology (LIST)	Born Farmer Cluster, Luxembourg	City Nature Challenge in the Born Farmer Cluster 2022-2024, Wildlife camera traps in orchards and monitoring with farmers	https://www.list.lu/
Bee Together	Born Farmer Cluster, Luxembourg	City Nature Challenge in the Born Farmer Cluster 2022-2024	https://beetogetherlux.wordpress.com/
Musée national d'histoire naturelle Luxembourg (MNHN)	Born Farmer Cluster, Luxembourg	City Nature Challenge in the Born Farmer Cluster 2022-2024	https://www.mnhn.lu/
Natur-& Geopark Mëlldall	Born Farmer Cluster, Luxembourg	City Nature Challenge in the Born Farmer Cluster 2022-2024	https://www.naturpark-mellerdall.lu/
Ramborn Cider Company	Born Farmer Cluster, Luxembourg	City Nature Challenge in the Born Farmer Cluster 2022-2024, Wildlife camera traps in orchards and monitoring with farmers	https://www.ramborn.com/
James Hutton Institute	Buchan Farmer Cluster, UK	Aden Country Park and Buchan Farmer Cluster BioBlitz, Earthworm sampling with farmers, Wild edible	https://www.hutton.ac.uk/

Partner name	Farmer Cluster	Activities	URL
		plants identification walk and talk	
Aberdeenshire Council	Buchan Farmer Cluster, UK	Aden Country Park and Buchan Farmer Cluster BioBlitz	https://www.aberdeenshire.gov.uk/
Danny Strong Freelance Ecological Consultant	Buchan Farmer Cluster, UK	Aden Country Park and Buchan Farmer Cluster BioBlitz	https://www.linkedin.com/in/danny-bean-29848390/
Scottish Wildlife Trust	Buchan Farmer Cluster, UK	Aden Country Park and Buchan Farmer Cluster BioBlitz	https://scottishwildlifetrust.org.uk/
BOKU University	Burgenland Farmer Cluster, Austria	Earthworm sampling training for farmers, Ground dweller workshop and Mini-BioBlitz for farmers, Soil structure and aggregate stability of different soils, Wild bee exhibition, BioFeldTage visitor engagement, Co-development of monitoring of key species, City Nature Challenge 2025 Neusiedler See / Seewinkel	https://boku.ac.at/
Pannatura	Burgenland Farmer Cluster, Austria	Earthworm sampling training for farmers, Ground dweller workshop and Mini-BioBlitz for farmers, Soil structure and aggregate stability of different soils, Wild bee exhibition	https://pannatura.at/
ÖKL Austrian Council for Agricultural Engineering and Rural Development	Burgenland Farmer Cluster, Austria, Mostviertel Farmer Cluster, Austria	Co-development of monitoring of key species, Mostviertel Farmer Cluster visit to Salzburger Flachgau	https://oekl.at/
Nationalpark Neusiedler See - Seewinkel	Burgenland Farmer Cluster, Austria	City Nature Challenge 2025 Neusiedler See / Seewinkel	https://www.nationalparkneusiedlersee.at/
Biodiversitäts-Hub Österreich	Burgenland Farmer Cluster, Austria	City Nature Challenge 2025 Neusiedler See / Seewinkel	https://www.biodiversityaustria.at/
Aguilar de la Frontera Council	Cazadores de Aguilar Farmer Cluster, Spain	Soil, production and cover vegetation workshop	https://aguilardelafrontera.es/
Fedeprol	Cazadores de Aguilar Farmer Cluster, Spain	Soil, production and cover vegetation workshop	https://www.fedeprol.com/
Federación Andaluza de Caza (FAC)	Cazadores de Aguilar Farmer Cluster, Spain	Soil, production and cover vegetation workshop	https://fac.es/

Partner name	Farmer Cluster	Activities	URL
Fundación Artemisan (FA)	Cazadores de Aguilar Farmer Cluster, Spain	Soil, production and cover vegetation workshop, BioBlitz with high school	https://fundacionartemisan.com/
Cazadores de Aguilar	Cazadores de Aguilar Farmer Cluster, Spain	Soil, production and cover vegetation workshop, BioBlitz with school group	https://www.cazadoresdeaguilar.es/
IFAPA Alameda del Obispo	Cazadores de Aguilar Farmer Cluster, Spain	Soil, production and cover vegetation workshop, BioBlitz with school group	https://www.juntadeandalucia.es/agriculturaypesca/ifapa/web/personas-estructuras-y-servicios/centros-ifapa/centro-ifapa-alameda-del-obispo
SEO/BirdLife	Cazadores de Aguilar Farmer Cluster, Spain	Soil, production and cover vegetation workshop, BioBlitz with school group	https://seo.org/
Vicente Nuñez high school of Aguilar	Cazadores de Aguilar Farmer Cluster, Spain	BioBlitz with high school	https://maps.app.goo.gl/81g3sG1as3XSPnmQA
Cranborne Chase National Landscape	Cranborne Chase Farmer Cluster, UK	Farmland bird winter feeding and monitoring	https://cranbornechase.org.uk/
Farming & Wildlife Advisory Group South West (FWAG SW)	Cranborne Chase Farmer Cluster, UK	Pollinator identification, Nature-friendly habitat management	https://fwagsw.org.uk/
Game & Wildlife Conservation Trust (GWCT)	Cranborne Chase Farmer Cluster, UK	The Owl Box Initiative, Big farmland bird count and farmland bird ID training, Farmland bird winter feeding and monitoring, Corn bunting survey, Corn bunting singing Male census, Farmland pollinator walk and talk, Harvest mouse surveying, Veteran Tree Survey, Nature-friendly habitat management, White-Tailed Sea Eagle talk	https://www.bfbc.org.uk/
Perdix Wildlife Supplies	Cranborne Chase Farmer Cluster, UK	Farmland bird winter feeding and monitoring	https://perdixwildlifesupplies.com/
Cranborn Chase National Landscape	Cranborne Chase Farmer Cluster, UK	Farmland bird winter feeding and monitoring	https://cranbornechase.org.uk/
Badbury Rings Farmer Cluster	Cranborne Chase Farmer Cluster, UK	Farmland pollinator walk and talk	https://cranbornechase.org.uk/our-work/farming/farmer-groups-2/

Partner name	Farmer Cluster	Activities	URL
Mid Stour Valley Farmer Cluster	Cranborne Chase Farmer Cluster, UK	Harvest mouse surveying	https://www.farmerclusters.com/profiles/south-west/mid-stour-farmer-group/
Devon Mammal Group	Cranborne Chase Farmer Cluster, UK	Harvest mouse surveying	https://devonmammalgroup.org/index.html
Dorset National Landscape - Purbeck's Precious Past Project	Cranborne Chase Farmer Cluster, UK	Veteran Tree Survey	https://dorset-nl.org.uk/project/purbeck-precious-past/
Dorset Council	Cranborne Chase Farmer Cluster, UK	Veteran Tree Survey	https://www.dorsetcouncil.gov.uk/
The Stubhampton Estate	Cranborne Chase Farmer Cluster, UK	Nature-friendly habitat management	https://cranbornechase.org.uk/chaseandchalke/resources/tarrant-gunville-and-stubhampton-heritage/
Forestry England	Cranborne Chase Farmer Cluster, UK	White-Tailed Sea Eagle talk	https://www.forestryengland.uk/
Roy Dennis Wildlife Foundation	Cranborne Chase Farmer Cluster, UK	White-Tailed Sea Eagle talk	https://www.roydennis.org/
Estonian University of Life Sciences	Kanepi kihlkund Farmer Cluster, Estonia	Pitfall trapping protocol for ground dweller observations, Bumblebee identification training, Wildlife photography training, BioBlitz with high school and kindergarten, Hedgehog monitoring	https://www.emu.ee/
Loodusemees	Kanepi kihlkund Farmer Cluster, Estonia	Wildlife photography training	https://loodusemees.ee/
HBLFA Raumberg-Gumpenstein	Mostviertel Farmer Cluster, Austria	BioBlitz with farmers and public visitors at Aubauernhof, Biodiversity farm portraits co-created with farmers, iNaturalist project and training for farmers, BioBlitz with high school, Grassland monitoring on newly sown meadows, Farmer Cluster visit to Salzburger Flachgau	https://raumberg-gumpenstein.at/en/
BIO Austria	Mostviertel Farmer Cluster, Austria	BioBlitz with farmers and public visitors at Aubauernhof, Biodiversity farm portraits co-created with farmers,	https://www.bio-austria.at/bio-bauern/niederoesterreich-wien/

Partner name	Farmer Cluster	Activities	URL
		iNaturalist project and training for farmers	
Aubauernhof	Mostviertel Farmer Cluster, Austria	BioBlitz with farmers and public visitors at Aubauernhof	https://www.bio-austria.at/biobauer/biohof-aubauer-2/
Mittelschule Allhartsberg	Mostviertel Farmer Cluster, Austria	BioBlitz with high school	https://sites.google.com/hsallhartsberg.ac.at/nmsallhartsberg
Scuola Superiore Sant'Anna	Val Graziosa Farmer Cluster, Italy	City Nature Challenge in the Monti Pisani region, Local Public BioBlitz 2024, Olive fruit fly monitoring, Wild edibles walk and training, Soil biological fertility assessment through QBS method, Ground cover diversification and management in olive groves	https://www.santannapisa.it/
Comunità del Bosco del Monte Pisano	Val Graziosa Farmer Cluster, Italy	City Nature Challenge in the Monti Pisani region 2023-2025	https://www.comunitadelboscomontepisano.it/
IPMWORKS project	Val Graziosa Farmer Cluster, Italy	Olive fruit fly monitoring, Ground cover diversification and management in olive groves	https://ipmworks.net/
Museo di Storia Naturale dell'Università di Pisa	Val Graziosa Farmer Cluster, Italy	City Nature Challenge in the Monti Pisani region 2023-2025	https://www.msn.unipi.it/it/
National Biodiversity Future Center	Val Graziosa Farmer Cluster, Italy	City Nature Challenge in the Monti Pisani region 2023-2025	https://www.nbfc.it/
AEDIT srl - PATH2DEA project	Val Graziosa Farmer Cluster, Italy	Olive fruit fly monitoring	https://www.path2dea.eu/index.html
Silvia Bennucci (farmer and wild edibles expert)	Val Graziosa Farmer Cluster, Italy	Wild edibles walk and training	https://www.agroecologiacalci.it/dal-prato-alla-tavola-la-biodiversita-nel-piatto-resoconto/
Sportello Agroecological	Val Graziosa Farmer Cluster, Italy	Wild edibles walk and training, Local Public BioBlitz 2024, City Nature Challenge in the Monti Pisani region	https://www.agroecologiacalci.it/
Strada dell'Olio dei Monti Pisani	Val Graziosa Farmer Cluster, Italy	City Nature Challenge in the Monti Pisani region 2023-2025	http://stradadellolio.it/
Successione Ecologica APS	Val Graziosa Farmer Cluster, Italy	City Nature Challenge in the Monti Pisani region 2023-2026	https://www.successionecologica.it/

Partner name	Farmer Cluster	Activities	URL
Czech BirdLife	Velké Hostěrádky Farmer Cluster, Czech Republic	Birds of prey for natural pest control	https://www.birdlife.cz/
Czech Ministry of Agriculture	Velké Hostěrádky Farmer Cluster, Czech Republic	Birds of prey for natural pest control	https://eagri.cz/
Czech Organics	Velké Hostěrádky Farmer Cluster, Czech Republic	Birds of prey for natural pest control, BioBlitz – Biodiversity path opening	https://www.czechorganics.com/
Czech University of Life Sciences Prague	Velké Hostěrádky Farmer Cluster, Czech Republic	Co-development of biodiversity path, BioBlitz – Biodiversity path opening, Earthworm sampling with farmers, Birds of prey for natural pest control	https://www.czu.cz/
Ekofarma Probio	Velké Hostěrádky Farmer Cluster, Czech Republic	Co-development of biodiversity path, BioBlitz – Biodiversity path opening, Birds of prey for natural pest control	https://www.ekofarmaprobio.cz/
Friends of the Earth Czech Republic / Hnutí DUHA	Velké Hostěrádky Farmer Cluster, Czech Republic	BioBlitz – Biodiversity path opening	https://hnutiduha.cz/
Sociální podnik Jasan	Velké Hostěrádky Farmer Cluster, Czech Republic	BioBlitz – Biodiversity path opening, Co-development of biodiversity path	https://spjasan.cz/
Jihomoravský region	Velké Hostěrádky Farmer Cluster, Czech Republic	Co-development of biodiversity path	https://www.jmk.cz/
Miroslav Dusík, local ornithologist	Velké Hostěrádky Farmer Cluster, Czech Republic	BioBlitz – Biodiversity path opening	https://hradec.rozhlas.cz/ornitolog-miroslav-dusik-kontroluje-budky-dravych-ptaku-v-chko-broumovsko-je-8190024
Municipality of Velke Hosteradky	Velké Hostěrádky Farmer Cluster, Czech Republic	BioBlitz – Biodiversity path opening	https://velkehosteradky.cz/
PROBIO obchodní společnost	Velké Hostěrádky Farmer Cluster, Czech Republic	Birds of prey for natural pest control	https://www.probio.cz/
Vinařství Veritas	Velké Hostěrádky Farmer Cluster, Czech Republic	BioBlitz – Biodiversity path opening	https://vinarstvi-veritas.cz/
Veselá Biofarma	Velké Hostěrádky Farmer Cluster, Czech Republic	Co-development of biodiversity path	https://veselabiofarma.cz/
University of Amsterdam	Zeeasterweg Farmer Cluster, Netherlands	National Bee counting day and wild bee identification,	https://www.uva.nl/en

Partner name	Farmer Cluster	Activities	URL
		Introduction to BIMAG moth monitoring, Monitoring with insect pan traps at Flevoland Bloeit	
BIMAG	Zeeasterweg Farmer Cluster, Netherlands	Introduction to BIMAG moth monitoring	https://www.vlinderstichting.nl/bimag/
BoerenNatuur Flevoland	Zeeasterweg Farmer Cluster, Netherlands	Introduction to BIMAG moth monitoring, Monitoring with insect pan traps at Flevoland Bloeit, Farmer-based monitoring in collaboration with Earthwatch Europe, National Bee counting day and wild bee identification	https://boerennatuurflevoland.nl/
Earthwatch Europe/NL	Zeeasterweg Farmer Cluster, Netherlands	Farmer-based monitoring in collaboration with Earthwatch Europe	https://earthwatch.nl/
Hoeve Vredevelt farm	Zeeasterweg Farmer Cluster, Netherlands	National Bee counting day and wild bee identification	https://hoevevredeveld.nl/
De Nationale Bijentelling	Zeeasterweg Farmer Cluster, Netherlands	National Bee counting day and wild bee identification	https://www.nationalebijentelling.nl/
LTO Noord - Place to Bee project	Zeeasterweg Farmer Cluster, Netherlands	National Bee counting day and wild bee identification	https://theplacetobee.nl/the-place-to-bee/
Wageningen University & Research	Zeeasterweg Farmer Cluster, Netherlands	Monitoring with insect pan traps at Flevoland Bloeit	https://www.wur.nl/

Appendix 2 – ECSA Agri-Food working group activities

Activity	Date	Description	URL
Launch of the ECSA Agri-Food working group	05.10.2022	The Agri-food working group aims to strengthen the community of scientists and citizen science practitioners devoted to learning, promoting and implementing citizen science as an approach in agriculture, and more generally, in food systems and soil health. Since its launch in 2022, 22 online meetings, three in-person meetings and one joint conference session have been held and one joint journal paper has been published (as of Aug 2025).	https://www.ecsa.ngo/working-groups/agri-food/
1st ECSA Agri-food working group in-person meeting	28.-29.06.2023	ECSA's Agri-food Working Group held its first in-person meeting in Paris, hosted by INRAE and attended by 14 members. Discussions focused on citizen science in agri-food, with presentations, updates on a literature review, and a collaborative padlet of initiatives. A co-writing workshop on adapting the Ten Principles of Citizen Science for agri-food projects laid the groundwork for a future publication.	https://www.ecsa.ngo/2023/07/04/ecsa-as-agri-food-working-group-meet-in-paris/
2nd ECSA Agri-food working group in-person meeting	17.-18.06.2025	A 2-day meeting in Montpellier hosted by INRAE brought together 15 Working Group members to explore citizen science in agri-food and soil research. Day 1 covered the policy cycle and a workshop on project policy objectives, alongside discussions on using environmental data for land use. The day concluded with visits to MSH-SUD and the Montpellier Botanical Garden. Day 2 focused on advancing stakeholder mapping through social network analysis and community-building, with a workshop examining project actors and their interactions. The meeting ended with discussions on Responsible Research and Innovation and Open Science.	https://www.linkedin.com/posts/eucitsci_agrifood-rri-openscience-activity-7349002965019426816-7FHm?utm_source=social_share_send&utm_medium=member_desktop_web&rcm=ACoAAE-NNu0BIU2uCBRSYKQOSZN1gdVMaGDwugw
Rural citizen science - Joint session at ECSA 2024	04.04.2024	Full-day conference session on fostering transformative change with rural communities. Session hosts and presenters: Claire Murray, Petra Benyei, Marco Barzman, Alexandra Czeglédi, Jacqui Goldin, Rick Hall, Gerid Hager, Lucía Moreno, Stefan Thomas, Toos van Noordwijk, Anna Verones and Elise Werner.	https://ecsa.ngo/past_conferences/2024/images/Images/2024/ABSTRACT%2009.pdf
Focus group discussion: Nature Based Solutions (NBS)	02.04.2024	The focus group was led by Taha Loghmani from UNU-FLORES to and started with a presentation on the NBS-CS project, case studies, and citizen science elements. Participants, in small rotating groups, then discussed and rated problems and solutions, and	https://doi.org/10.1016/j.agry.2024.104052

Activity	Date	Description	URL
and Citizen Science (CS)		explored future-focused questions, sharing notes at each table. The session ended with facilitator highlights and a 20–25-minute open discussion.	
Navigating the participatory turn in agricultural and food research - Journal publication	21.02.2025	Joint publication of members of the ECSA Agri-food working group: Ajates, R., Benyei, P., Avery, H. et al. Navigating the participatory turn in agricultural and food research: Best practice from citizen science. <i>Ambio</i> 54, 1306–1317 (2025). This perspective paper revisits ECSA's Ten Principles of Citizen Science through the lens of agri-food research, drawing on literature, project data, and insights from 11 members of ECSA's Agri-food Working Group. The findings highlight key theoretical, methodological, and practical considerations for participatory approaches in the field.	https://doi.org/10.1007/s13280-025-02151-7
Agri-Food Citizen Science: from soils and seeds, to diets and food waste - Panel at ECSA 2026	03.-06.03.2026	A joint panel of chairs of the Agri-food working group and colleagues: Join this panel to share results, methods, frameworks, and debates in Agri-Food Citizen Science. We welcome contributions related to participatory research on soils, seeds, farm biodiversity, food value chains, farming workforce, diets/food habits, food waste management, and more!	https://nomadit.co.uk/conference/ecsa2026/p/17100
Mapping Agri-food Citizen Science Projects	Ongoing	ECSA's Agri-food working group invites everyone to add their agri-food citizen science projects to a padlet map.	https://padlet.com/alexandraczegledi/mapping-agri-food-citizen-science-projects-ur4bwr59xkpkdqs
Online meeting and presentation	25.09.2025	Mathieu Thomas from CIRAD in France presented participatory variety breeding of onions specifically focussing on the engagement of farmers.	https://doi.org/10.1017/qpb.2024.20
Online meeting and presentation	29.05.2025	Katerina Riviou from Ellinogermaniki Agogi (EA R&D) presented on schools as Living Labs in the CLEVERFOOD and FutureFoodS projects, highlighting student-led food system activities, data analysis, and community engagement. Outputs include toolkits, a school portal, and a MOOC. The projects promote behaviour change and education through practical, participatory approaches.	https://food2030.eu/projects/cleverfood/
Online meeting and presentation	24.04.2025	Adrià Menéndez from (CREDA)-UPC-ITRA presented the Lab4Supply project, which used Living Labs to improve sustainability in Mediterranean agri-food value chains, especially figs. Stakeholders co-created solutions like product diversification and packaging strategies. Engagement challenges and political shifts	https://lab4supply.eu/

Activity	Date	Description	URL
		affected continuity, but the local Living Lab model proved adaptable and effective.	
Online meeting and presentation	27.02.2025	Petra Benyei from IEGD-CSIC led a session on the relationship between Living Labs (LLs) and Citizen Science (CS) in agri-food research, exploring overlaps, contradictions, and public participation levels. She presented LL principles like co-creation and real-life experimentation, and sparked discussion on whether all projects need LLs and how transformative they can be. Participants shared varied experiences, touching on governance, certification challenges (ENoLL), and IP issues in multi-actor settings.	https://enoll.org/
Online meeting and presentation	28.11.2024	Alba Piero from Ibercivis led a miro workshop to exchange participatory methods and co-creation techniques members of the group have coordinated or participated in.	https://ibercivis.es/en/home-english/
Online meeting and presentation	31.10.2024	Jackie Stroud, a soil scientist at Warwick Crop Centre, shared her work on engaging farmers in soil monitoring, focusing on soil life, especially earthworms. By simplifying methods (30-minute surveys) and providing feedback, she improved farmer participation and awareness. Despite scepticism from some scientists and negative media narratives, her latest research explores using sensors to detect soil animal activity through sound.	https://uksoils.org/30-min-worms
Online meeting and presentation	25.04.2024	Tanja Mimmo from the Free University of Bolzano and coordinator of the ECHO Soil Project, presented on linking soil health with agri-food systems through citizen science. The project engages citizens across diverse land uses to collect soil data, promote stewardship, and drive behavioural change. Data will feed into ECHOREPO, supporting decision-making and contributing to the EU Soil Observatory. A discussion followed on forming a soil-focused subgroup within the Agri-food Working Group to enhance collaboration.	https://echosoil.eu/
Online meeting and presentation	29.02.2024	Taha Loghmani from UNU-FLORES presented case studies from Brazil and Iran where communities co-created and monitored water treatment and crop-producing Nature-Based Solutions (NBS) using citizen science. He also conducted a literature review and expert focus groups on the NBS-CS nexus and plans to run further focus group sessions during ECSA 2024.	https://doi.org/10.1016/j.agry.2024.104052
Online meeting and presentation	25.01.2023	Ivana Radović from Serbia's <i>Framework of Life</i> presented their work supported by RADIANT and IMPETUS4CS, focusing on agrobiodiversity, citizen	https://www.okvirzi.vota.org.rs/

Activity	Date	Description	URL
		science, and seed saving. Based around protected areas and local communities, the initiative supports seed banks, educational outreach in agricultural schools, and policy advocacy. Women play a key role in seed saving, and citizen science has been used to influence conservation policy. IMPETUS provided impactful training, especially in communication and project expansion.	
Online meeting and presentation	30.11.2023	Alice Mauchline and Stuart Edwards from the University of Reading presented the SHOWCASE project, which links farmers with butterfly recorders to monitor biodiversity on farmland. Using citizen science approaches, they aim to shift farmer perceptions and promote biodiversity-friendly practices. The project involves mostly conventional farms and sees varied farmer engagement. Data collection is supported by tools like the InsectsCount app, and the initiative builds connections between science, farming, and the public.	https://showcase-project.eu/
Online meeting and presentation	26.10.2023	Borbara Lipka from ESSRG shared work at Szezon Garden, a living lab testing underutilized crops in the RADIANT and DIVINFOOD projects. The team combines organic farming with research, community involvement, and education. In Serbia, wheat trials became citizen-led, linking farmers, volunteers, and brewers in participatory seed testing.	https://divinfood.eu/
Online meeting and presentation	28.09.2023	Antonio from CULTUM, a southern Italy-based NGO and cooperative, shared their work on recovering traditional agroecological knowledge through EU projects. Based in a small village in Puglia, CULTUM runs initiatives like a shepherd school, climate education (EMBRACE), and projects on sustainable food, textiles, and agrobiodiversity—such as reviving ancient black chickpeas. They blend innovation with tradition, engage youth and elders, and integrate citizen science into vocational schools.	https://www.embrace-climate.eu/
Online meeting and presentation	25.05.2023	Alex Czeglédi from ESSRG presented the RADIANT project, a large Horizon 2020 initiative promoting agrobiodiversity and agroecology through participatory research with farmers across Europe. Farmers collect data and test underutilized crops—such as turnips, chickpeas, and landrace spinach—to diversify systems and improve sustainability. The project supports farmer participation financially and fosters knowledge-sharing through informal networks and visual tools like photovoice.	https://www.radiantproject.eu/

Activity	Date	Description	URL
Online meeting and presentation	27.04.2023	Gerid Hager from IIASA presented the EU FRAMEwork project, which supports farmer-led innovation and biodiversity monitoring through “farmer clusters” across Europe. By combining Farmer Clusters and Citizen Observatories, the project fosters collaborative, evidence-based biodiversity management at the landscape level. It promotes adaptive practices, local engagement, and shared learning between farmers, researchers, and communities.	https://www.frame-work-biodiversity.eu/
Online meeting and presentation	30.03.2023	Toos van Noordwijk from Earthwatch Europe presented their agri-food citizen science initiatives, focusing on soil, water, and biodiversity monitoring with farmers, the public, and businesses. Earthwatch empowers farmers to experiment and track the impact of sustainable practices using tools like Freshwater Watch and biodiversity apps. They also explore funding for ecosystem services and assess citizen science impact via the MICS platform.	https://earthwatch.nl/
Online meeting and presentation	23.02.2023	Petra Benyei from IEGD-CSIC presented and discussed definitions of citizen social science and its application to agroecology and rural studies. She presented two projects: CONECT-e, which focuses on sharing Traditional Ecological Knowledge (TEK), and the FARM project, which explores factors influencing farmer renewal and different farming models.	https://www.conecte.es/index.php/es/
Online meeting and presentation	01.12.2022	Duran Meşe from TÜBİTAK (Turkey’s equivalent of NSF, CSIC, or CNRS) presented on innovation in education through nature and science schools. His department, Science and Society, focuses on science communication, participatory science, and popular science. Projects include educational agriculture initiatives in schools and urban settings, aimed at updating knowledge and testing innovations.	https://tubitak.gov.tr/

Appendix 3 – Conferences and other activities

Activity/Event	Date	Description	Lead partner	URL
CODATA Task Group on Citizen-Generated Data for the SDGs	Jun 2021-Jan 2023	Meetings held with the TG on Citizen-Generated Data for the SDGs, which support the use of citizen data in monitoring the UN 2030 Agenda, with a focus on indicators related to Disaster Risk Reduction, Climate Change Adaptation, and biodiversity. The group advises the UN Statistical Division on data quality, ethics, and sustainability, and helps develop frameworks for collaboration between communities and national statistical offices.	NORDECO	https://codata.org/initiatives/task-groups/citizen-science-for-the-sustainable-development-goals/
Citizen Science Global Partnership	Jun 2021-Jan 2024	Meetings held with the Citizen Science Global Partnership's Community Advisory Board. The Citizen Science Global Partnership (CSGP) is a network-of-networks that seeks to promote and advance citizen science for a sustainable world. It brings together existing citizen science networks and practitioners with actors representing policy, business, and community-based perspectives and civil society organizations.	NORDECO	https://citizensciencglobal.org/
Biodiversitetssymposium 2022	Jun-22	Poster presented: Kan landmandsledet innovation fremme biodiversitet og bæredygtig landbrugsdrift?	NORDECO	https://pure.iiasa.ac.at/18078
9th IOBC-WPRS Working Group Meeting	Jun-22	Presentation and short paper: The potential of citizen science to support local biodiversity sensitive farming systems: First insights from the FRAMEwork project. Landscape Management for Functional Biodiversity	IIASA	https://iobc-wprs.org/product/the-potential-of-citizen-science-to-support-local-biodiversity-sensitive-farming-systems-first-insights-from-the-framework-project/
Expert meeting: The Critical Role of Citizen Science	Jun-22	Attended expert meeting by the Convention on Biological Diversity and Smithsonian Institution on "The Critical Role of Citizen Science"	NORDECO	https://global.si.edu/sites/default/files/annual_reports/

Activity/Event	Date	Description	Lead partner	URL
		intended to inform the 5th Science-Policy Forum for Biodiversity and the Global Biodiversity Framework		Annual%20Report%202022.pdf
ECSA 2022 conference	Oct-22	Poster presented: Citizen science and farmer-led innovation at the frontiers of farming and biodiversity	IIASA	https://doi.org/10.5281/zenodo.7185678
ECSA 2022 conference	Oct-22	Workshop: Challenges, Strategies and Impacts of doing Citizen Science with Marginalised and Indigenous Communities: Towards a toolkit that can be applied in all contexts	NORDECO	https://ecsa.ngo/past_conferences/2022/files/ecsa/Bilder/ECSA2022_Conference_Proceedings.pdf
4th Ecosystem Services Partnership (ESP) Europe conference	Oct-22	Presentation: The potential of Citizen Science for Natural Capital and Ecosystem Services assessment in agri-environmental systems	IIASA	https://pure.iiasa.ac.at/id/eprint/18281
Citizen science in environmental and ecological sciences	Aug-22	Publication in Nature Reviews Methods Primers	IIASA	https://doi.org/10.1038/s43586-022-00144-4
Community Monitoring of Natural Resource Systems and the Environment	Aug-22	Training resources published in Annual Review of Environment and Resources	NORDECO	https://doi.org/10.1146/annurev-environ-012220-022325
Data Sovereignty in Community-Based Environmental Monitoring: Toward Equitable Environmental Data Governance	Aug-22	Publication on data sovereignty in citizen science in BioScience	NORDECO	https://doi.org/10.1093/biosci/biac048
Österreichische Citizen Science Konferenz 2023	Apr-23	Poster presented: Landwirt*innen nutzen Citizen Science Praktiken zur Unterstützung der Artenvielfalt am Land	IIASA	https://doi.org/10.5281/zenodo.7858015
29th European Society for Rural Sociology Congress	Jun-23	Presentation: Enabling farmers to respond to the biodiversity crisis together: the role of Citizen Science in Farmer Clusters	IIASA	https://pure.iiasa.ac.at/18942
13th International Symposium on Digital Earth	Jul-23	Presentation: Processes and Tools for enabling Interoperability between Citizen Science and Expert Biodiversity Data in Agriculture	CREAF	https://pure.iiasa.ac.at/18995

Activity/Event	Date	Description	Lead partner	URL
People & Practices Hub	Nov 2023- Apr 2025	Participation in the People and Practice Hub of the START - Centre for Sustainable Agrifood Systems	NORDECO	https://start.uni.dk/research-hubs/people-practices
Networking Biodiversity Kick-Off Event	Mar-24	Presentation of the FRAMEwork project	BOKU	https://boku.ac.at/boku-biodiversitaetscluster/veranstaltungen
Groundswell Festival 2024	Jun-24	Panel session: Sensing Change - Taxonomy or Technology? Where does the value lie in biodiversity monitoring on farm	GWCT	https://groundswellag.com/wp-content/uploads/2024/06/Sessions-Guide-Groundswell-2024-web-version.pdf
Involving citizens in monitoring the Kunming–Montreal Global Biodiversity Framework	Oct-24	Paper published in Nature Sustainability, demonstrating how citizens can monitor over half of the Global Biodiversity Framework indicators	NORDECO	https://doi.org/10.1038/s41893-024-01447-y
5th Ecosystem Services Partnership (ESP) Europe Conference	Nov-24	Presentation: Observing biodiversity and ecosystem services with farmers: bottom-up pathways for engagement and knowledge co-production	IIASA	https://pure.iiasa.ac.at/20145
The potential for AI to revolutionize conservation	Feb-25	Paper published in Trends in Ecology & Evolution on AI's role in conservation	NORDECO	https://doi.org/10.1016/j.tree.2024.11.013
Danish strategy on development and environment	Jan-Apr 2025	Provided input into Danish NGOs' recommendations to the Danish Ministry of Foreign Affairs for a new strategy on development and environment, focus on citizen involvement in monitoring and management of living resources	NORDECO	https://um.dk/en/-/media/websites/ummen/danida/about-danida/danida-transparency/public-consultations/organisation-strategy-for-gef-ldcf-2022-2026.ashx
GEF biodiversity initiatives and the GEF Civil Society Forum	Jan-Apr 2025	Advised the Global Environment Facility (GEF) Council on how to support the involvement of citizen science and Local Knowledge in GEF biodiversity initiatives and the GEF Civil Society Forum.	NORDECO	https://www.thegef.org/
Community-based environmental	Jan-Apr 2025	Contributions to TemaNord Publications published by the Nordic	NORDECO	https://pub.norden.org/politiknord20

Activity/Event	Date	Description	Lead partner	URL
monitoring and citizen science in the Arctic region		Council of Ministers on community-based environmental monitoring and citizen science in the Arctic region: Nordic Arctic lessons (Nordic Council of Ministers, 2025), Guidelines for Arctic countries in Scandinavian (Ólavsdóttir et al., 2025).		25-703/politiknord2025-703.pdf
Joint Nordic Effort for Biodiversity	Jan-Apr 2025	Input to a report 'Joint Nordic Effort for Biodiversity' with recommendations for involving citizens in monitoring the Kunming-Montreal Global Biodiversity Framework Agreement (Nordic Council of Ministers, 2024).	NORDECO	https://pub.norden.org/temanord2024-539/index.html
2nd ECSA Agri-Food Working Group Meeting	Jun-24	Presentation: Capturing community(-building) effects of citizen science activities in agri-food using Social Network Analysis	IIASA	https://pure.iiasa.ac.at/20756
30th European Society for Rural Sociology Congress	Jul-25	Presentation: Citizen science in farmer clusters as a mechanism to reconnect rural communities	IIASA	https://pure.iiasa.ac.at/id/eprint/20754/?template=default_internal