

# Added value from biodiversity and ecosystem services for agriculture and horticulture in the Finnish lake district (ARVO)

- **Project type and duration:** Environmental and climate communication project 2025 – 2027
- **Regions:** South Savo, Kymenlaakso, Central Finland, South Karelia, North Karelia, North Savo
- **Main objective:** to increase the knowhow of farmers and other rural actors on the value and significance of biodiversity and ecosystem services and the practical means for supporting them. We work in the Lake District of Finland, both at regional and farm level.
- **Implementer:** Natural Resources Institute Finland (Luke)
- **Funding:** European Agricultural Fund for Rural Development



## Biodiversity:

The basis of all life and a fundamental feature of nature, which has intrinsic value.

## Ecosystem services:

The tangible and intangible benefits that nature and ecosystems provide for humans.

## Benefits and value:

Nature values  
Economic value  
Health value  
Shared and social value  
Other values...

*Products obtained from ecosystems*



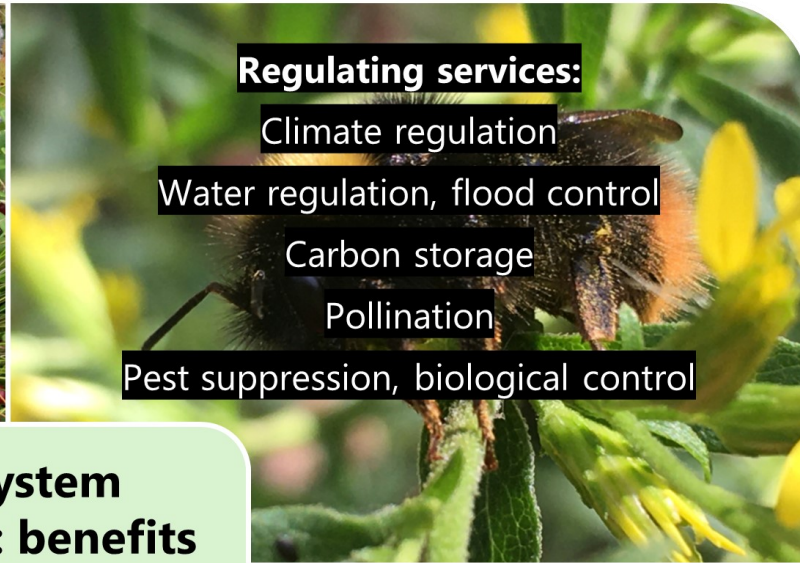
**Provisioning services:**

Food, feed, fibre

Wood, forest berries, mushrooms, natural products, fish, game

Fresh water, renewable energy

Genetic resources



**Regulating services:**

Climate regulation

Water regulation, flood control

Carbon storage

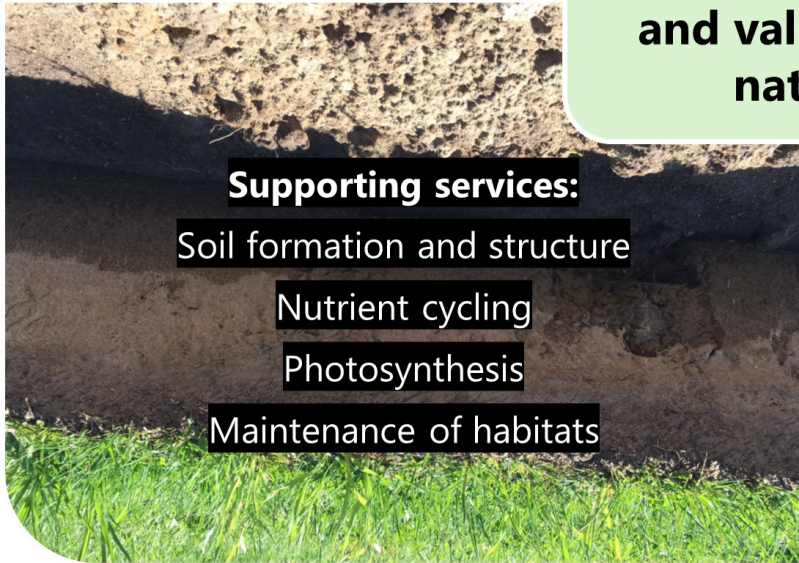
Pollination

Pest suppression, biological control

*Benefits obtained from regulation of ecosystem processes*

**Ecosystem services: benefits and value from nature**

*Supporting services that enable other services*



**Supporting services:**

Soil formation and structure

Nutrient cycling

Photosynthesis

Maintenance of habitats



**Cultural services:**

Recreation

Aesthetic values, inspiration

Spiritual and religious value

Source of education and knowledge

Intrinsic value and cultural heritage

*Nonmaterial benefits obtained from ecosystems that enrich lives and enhance human well-being*

**Supporting biodiversity and taking regional specificities into account helps to strengthen and make benefit of multiple ecosystem services. Multifunctional agroecosystems enhance ecological intensification and resilience.**

## For whom?

- Landowners, farmers, rural entrepreneurs
- Residents, summer residents, tourists
- Regional developers, experts, advisors, decision-makers, companies
- Students
- Anyone interested

## What?

- Information on the meaning and value and practical methods for supporting biodiversity and ecosystem services in the Lake District of Finland
- Dialogue and discussion on information and development needs

## Why?

- Characteristics of Lake District of Finland provide good opportunities for sustainable use and enhancement of multiple ecosystem services
- Identifying and making visible the values and strengths can bring added value to rural businesses
- Preserving biodiversity and ecosystem services is vital for human well-being, sustainable business, and livelihood of rural areas



Co-funded by  
the European Union



## How to join?

Open webinars, programme for spring 2026:

- 21.1. klo 9-11 Mitä on maatalousluonnon monimuotoisuus?
- 27.1. klo 9-11 Mitä ovat ekosysteemipalvelut?
- 4.2. klo 9-10.30 Metsäpuutarhoja ja puustoista maataloutta Suomessa
- **11.2. klo 13-15 Forest gardening and agroforestry in the Nordics**
- 10.3. klo 9-11 Peltoviljelyn monimuotoisuus
- 19.3. klo 9-11 Vihannesviljelyn monimuotoisuus
- 26.3. klo 9-11 Luontainen torjunta
- 8.4. klo 9-11 Pölytys
- 14.4. klo 9-11 Maatalousympäristön linnut

We also organize field trips, participate in farmer events and produce information material

**Project website:** [www.luke.fi/projektit/arvo](http://www.luke.fi/projektit/arvo)

**Material bank:**

<https://www.ilmastoviisas.fi/monimuotoisuus/>

**Subscribe to the ARMAS project newsletter:**

[www.ilmastoviisas.fi/uutiskirjeet](http://www.ilmastoviisas.fi/uutiskirjeet)



Photos: Sari Himanen and Anne Nissinen / Luke