



Bio Monitor 4CAP

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Advanced biodiversity monitoring for results-based and effective agricultural policy and transformation



CONTACT

Martina Clausen
m.clausen@dlg.org

Stephanie Timm
s.timm@dlg.org

WEBSITE:
www.biomonitor4cap.eu



Funded by
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Background

Unsustainable agricultural practices are major drivers affecting habitat and species diversity in agricultural landscapes of the EU.

For enhancing biodiversity of agricultural landscapes advanced systems are required to monitor biodiversity features and their changes.

The *BioMonitor4CAP* project will

- design advanced biodiversity monitoring systems
- mainly assessing diversity of targeted species and habitats
- to be tested, calibrated, and demonstrated
- in five European regions representing the major agro-ecological regions of the EU
- and one region in Peru representing one of the global biodiversity hot spots.

The project will combine classical biodiversity indicator systems with new technological approaches, including acoustic, optical and molecular systems.

Objectives

The ultimate goal of *BioMonitor4CAP* is to assess, develop, test, validate, and support implementation of effective, affordable, and reliable methods, tools, and technologies to monitor biodiversity of agricultural areas or farmland.

Approaches

- data collection to provide overall information on methods and tools currently used to monitor farmland biodiversity, related indicators, policies, and rural development programs
- development of indicator systems and predictive biodiversity response models to evaluate impact of agricultural practices on farmland biodiversity.
- test, validate, and demonstrate biodiversity monitoring and indicator systems
- involvement of all relevant stakeholders to meet their expectations
- exploiting pathways for implementation of new technologies on farm level
- communication and knowledge transfer among various actors

The project in brief

23 partner organizations	10 European countries and Peru
Coordination: Leibniz Institute for Biodiversity Change Analysis	Role of DLG: responsible for setting up trial and demonstration fields, lead in communication and dissemination
Start: 1 December 2022 HORIZON-CL6-2022-BIODIV- 01-06	End: 30 November 2026 Project number: 101081964