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BIOMONITOR4CAP FOR ENHANCED AGROBIODIVERSITY MAINTENANCE AND CONSERVATION

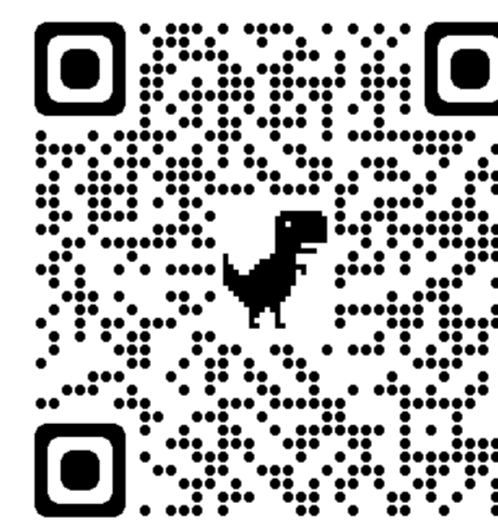
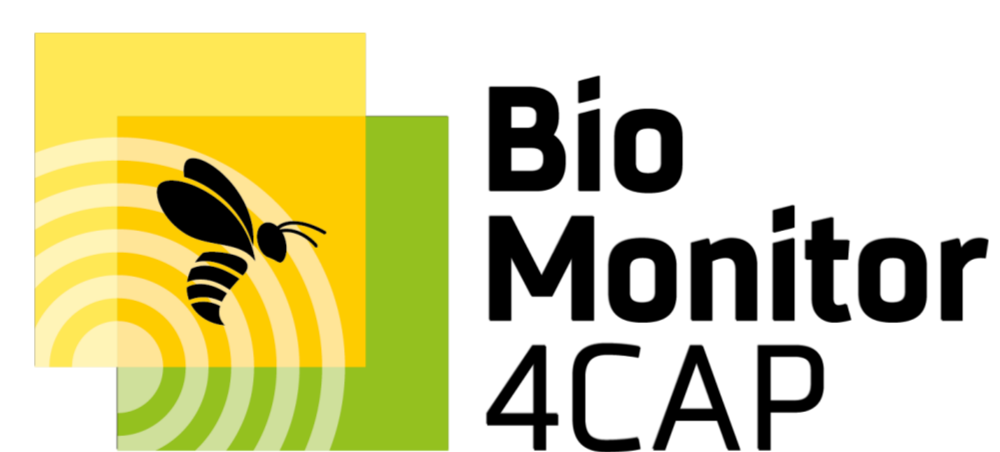
eDNA soil sampling, acoustics and optics for monitoring farmland biodiversity

MONITORING EXPERIMENTS

Novel monitoring technologies such as eDNA soil sampling, acoustics and optics will be piloted in field trials in Finland and in other participating countries. The aim is to validate and calibrate the new technologies against classical monitoring methods such as pan traps, vane traps and line transects. Monitoring is targeted at the suitable indicator species of insects, birds, soil biodiversity indices and habitats.

BioMonitor4CAP PROJECT

Improved conservation measures for agrobiodiversity are needed to stop biodiversity loss. BioMonitor4CAP stands for “Biodiversity Monitoring for the Common Agricultural Policy” and is a research project that develops, tests and validates advanced biodiversity monitoring systems below- and above ground in agricultural landscapes. The aim of the project is to develop effective, affordable and reliable methods, tools and technologies into monitor biodiversity at the farm scale.



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APPROACH & OUTCOMES

BioMonitor4CAP supports the development and implementation of effective biodiversity conservation on agricultural land. This is done in cooperation with stakeholders and by testing technologies and developing evidence-based policy recommendations and business models.

Through development and testing, the project will identify effective and user-friendly monitoring technologies that can reliably detect indicator species on farmlands.

Project outputs will include guidelines in monitoring and analysing the impacts of agricultural practices on agrobiodiversity.

STAKEHOLDERS' PERSPECTIVES ON AGROBIODIVERSITY

Agricultural stakeholders play a key role in supporting agrobiodiversity. However, their perspectives and understanding about agrobiodiversity vary. While the importance of agrobiodiversity for humans and agriculture is understood, the topic itself is difficult to conceptualize. Preliminary literature review shows that the definitions of agrobiodiversity range from narrow conceptualizations to wider ecosystem interactions.

Understanding the variety of perspectives associated with agrobiodiversity is essential to designing effective biodiversity policies and education programs and for creating incentives for farmers to transition to biodiversity-friendlier farming practices.

Understanding stakeholder perspectives is key to designing effective biodiversity policy



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