



Photos: Beata Bąk

Initial situation: Decline in insect diversity

Insects play a vital role in ecosystems and make a major contribution to biodiversity and essential ecosystem services. However, insect populations are declining in many places, especially where habitats have been degraded, water bodies altered, or important habitat structures lost.

This is where InsectCare comes in. The project focuses on pollinating insects, ground beetles, and insects associated with aquatic habitats. It is closely linked to the EU Nature Restoration Regulation, which supports the restoration of degraded ecosystems and aims to reverse the decline of pollinators.

Objective: Conserving biodiversity and assessing restoration

InsectCare aims to conserve biodiversity, strengthen ecosystem services and enhance habitats ecologically. At its heart is the question of how restoration measures can be supported on a sound scientific basis and how their effects can be assessed reliably. Robust data are essential for this. For that reason, the project develops and tests novel monitoring methods that allow changes in insect occurrence, habitat quality and restoration success to be recorded more precisely.

Implementation: German-Polish real-world laboratories and knowledge transfer

InsectCare is being implemented in the Drömling UNESCO Biosphere Reserve in Germany and in Welski Park in Poland. In real-world laboratories on site, the project combines classical insect surveying with bioacoustics, video analysis, biotelemetry and artificial intelligence. In addition, concrete measures to improve habitats are being tested, including innovative nesting aids for pollinators. The Insect Knowledge Hub, an online platform, secures the data and findings generated by the project for the long term and supports their transfer into practice and education.

Duration & Funding

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