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CENTRE FOR THE SYNTHESIS AND ANALYSIS
OF BIODIVERSITY

MOTIVER

Developing agri-environmental indicators to monitor the Impact of human-driven landscape changes on biodiversity in European farmland

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MOTIVER proposes to quantify the moset influential factors on farmland biodiversity in European agroecosystems to improve local-to-landscape farming management and monitor their impact on biodiversity. The project will identify and map major metrics that allow **evaluating the impact of each driving pressure on agricultural landscapes**. One-dimensional indicators will be computed to model the multifactorial impacts of each driving pressure on landscape, the **eco-landscapes**, to predict the impacts on biodiversity of multifactorial eco-landscape indicators.

One goal is to **ensure the methodology is made reproducible by practitioners**, representatives of the national agroecosystems and all components of their biodiversity, and is fit to be extrapolated to other territories. The project proposes to highlight the versatility and relevance of the methodology through several case studies, each being:

1. designed from landscape to national scale
2. focused both on taxa already surveyed in monitoring programs and on functional biodiversity of considerable interest for farmers and ecosystem services (e.g. macroinvertebrates), and
3. describing either a static state of the environment of a dynamic change in landscape characteristics.

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CESAB (CEntre for the Synthesis and Analysis of Biodiversity) is FRB's flagship program and an internationally renowned research center whose objective is to implement innovative work to synthesize and analyze existing data sets in biodiversity research.

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