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Towards multifunctional agricultural landscapes in Europe: Assessing and governing synergies between food production, biodiversity, and ecosystem services – TALE

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There is a need to improve our understanding of the synergies between biodiversity, food and energy production and other regulating or cultural ecosystem services (ESS) and the development of technical and policy measures to support these synergies. Procedures to quantify synergies and trade-offs between ESS and biodiversity are considered as promising solutions to close this gap. The BiodivERsA project TALE aims at developing such methodologies in a set of representative European agricultural landscapes in Germany, Switzerland, Austria, The Netherlands and Spain. This will be done by using i) a framework that links process-based, integrated, and statistical models with optimization algorithms, and ii) a set of land use scenarios and land use policies, iii) a systematic stakeholder integration process that allows the incorporation of expert knowledge in all phases of the research project to safeguard that research results are of practical relevance. Moreover, the project not only addresses experts but provides an innovative online learning environment that is accessible also for students and the general public.