

THE COSTS AND BENEFITS OF TRANSITIONING TO SUSTAINABLE AGRICULTURE IN THE EU

ANNEX: LITERATURE REVIEWED

Table 1: List of case studies reviewed

Case study	Source	Country
Regenacterre	SYSTEMIQ & Soil Capital, 2019	Belgium
Valencia	SYSTEMIQ & Soil Capital, 2019	Spain
La Marne	SYSTEMIQ & Soil Capital, 2019	France
East England regenerative agriculture	Jonathan D. Beacham et al., 2023	UK
Arable Denmark	Zendersen et al., 2015	Denmark
Mandarin trees Murcia	Martin-Gorriz et al., 2022	Spain
Scotland livestock farms	LIFT project, 2020	UK
Britanny organic dairy farms	INRAE (Kantelhardt et al., 2021)	France
Swedish organic farms	SLU (Kantelhardt et al., 2021)	Sweden
Animal welfare Germany	Deblitz et al., 2021	Germany
Andalusian olive grove	Barclay, 2023	Spain
Réseau Agriculture Durable livestock farms	Van der Ploeg et al., 2019	France

Case study	Source	Country
No-till Wallonia	GREENOTEC, 2011	Belgium
Mecklenburg – Western Pommerania livestock farms	Van der Ploeg et al., 2019	Germany
Italian livestock farms	Menghi et al., 2015	Italy
Douro wine farms	Van der Ploeg et al., 2019	Portugal
Irish grassland management	Van der Ploeg et al., 2019	Ireland
Modelling Dairy farms	Schreefel et al., 2022	Netherlands
Agroforestry Idanha-A-Nova	Barclay, 2023	Portugal
Livestock Barrancos	Barclay, 2023	Portugal
Mixed farm Assumar	Barclay, 2024	Portugal
Slovakia	Rovny, 2023	Slovakia
Cereal agroecological farms UK	Chanarin et al., 2022	UK
Fobbing cereal farm UK	Chanarin et al., 2022	UK
Organic dairy UK	Chanarin et al., 2022	UK
Gothelney mixed farm UK	Chanarin et al., 2022	UK
Pays de la Loire FABulous farmers	FABulous Farmers, 2020	France
East England non-inversion FABulous Farmers	FABulous Farmers, 2019	UK
Hoeksche Waard	Paulin et al., 2023	Netherlands

Case study	Source	Country
Brabant FABulous Farmers	FABulous Farmers, 2019	Belgium
Normandy FABulous Farmers	FABulous Farmers, 2019	France
Agropastoral Brittany FABulous Farmers	FABulous Farmers, 2020	France
Southwest England, silvopastoral FABulous Farmers	FABulous Farmers, 2022	UK
Normandy alleycropping FABulous Farmers	FABulous Farmers, 2019	France
Reading FABulous farmers	FABulous Farmers, 2021	UK
Zeeland mushroom compost FABulous farmers	FABulous Farmers, 2019	Netherlands
Antwerpen FABulous Farmers	FABulous Farmers, 2019	Belgium
Somerset organic grazing dairy FABulous Farmers	FABulous Farmers, 2021	UK
Rotation 2+2 FABulous Farmers	FABulous Farmers, 2020	France
Luxembourg diversified crop rotation FABulous Farmers	FABulous Farmers, 2019	Luxembourg
Sustainable livestock farms Pays de la Loire	CIVAM, 2023	France
Potential cost of moving from caged to aviary	I4CE, 2023	France
Bec-Hellouin	France Stratégie, 2020	France
Intercropping	LEGUMINOSE Project	

Case study	Source	Country
Agroecological diversification in 5 Andalusian almond orchards	De Leijster et al., 2020	Spain
Working conditions in agroecological livestock farms in the Massif Central	Duval, Blanchonnet & Hostiou, 2021	France
Hoeksche Waard case study	Dik, Van Egmond and Barbieri, 2022	Netherlands
Scottish sustainable uphill farming	Clark, Scanlon and Hart, 2019	UK
Organic Switzerland	Van der Ploeg et al., 2019	Switzerland

Table 2: List of reports reviewed, and average data collected

Averages	Source	Scope
Cost of the transition towards sustainable agriculture in the EU	FoodDrinkEurope, 2023	EU
Economic benefits of regenerative practices	World Economic Forum, 2022	EU
Catch and cover crops adoption costs	Smit et al. (JRC), 2019	EU (Spain, Netherlands, France, Romania)
Average cost of implementing a set of sustainable practices	Boufous & al., 2023	Global (60% EU)
Average time needed for a step-by-step transition	Meynard et al., 2023	Global
Average UK modelled adoption of agroecological practices	Chanarin et al., 2022	UK
Average costs low-input dairy EU	Bijttebier et al., 2018	EU
Financial evolution after regenerative practices adoption in Eastern Europe	Dudek & Rosa, 2023	Poland, Czechia and Slovakia
Effect of regenerative agriculture on yield	Jordon & al., 2022	Global
Effect of diversification on yield	Tamburini & al., 2020	Global
Institutional report on the economics of agroecology	Devienne et al., 2017	France
Agroecology for mediterranean crops	Alonso et al., 2008	Spain