

Ecosystem services in agroforestry systems in Europe with an emphasis on biodiversity

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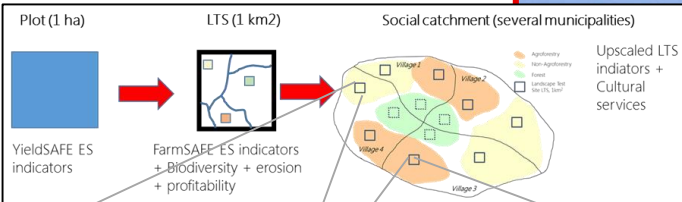
Introduction

The european "AGFORWARD" research project aims at assessing ecosystem services (ES) and biodiversity provided by agroforestry (AF) in Europe.

Methods

Selection of 12 study landscapes within Europe (social catchment)

AF-landscape type	Mediterranean	Continental	Atlantic	Boreal
High nature and cultural value	Cork Oak Montado, PT	Wood pasture, RO	Bocage FR	Oak wood pastures SW
High value trees	Olive tree system, GR	Fruit orchards, CH	Chestnut soutos, ES	
Arable lands	Intercrop oaks, ES	Arable system with trees, GER	Park land, UK	
Livestock	Dehesa, ES	Wood pastures, CH		



In each case study selection of landscape test sites (LTS) dominated by AF, Non-AF and Forest, 4 replicates

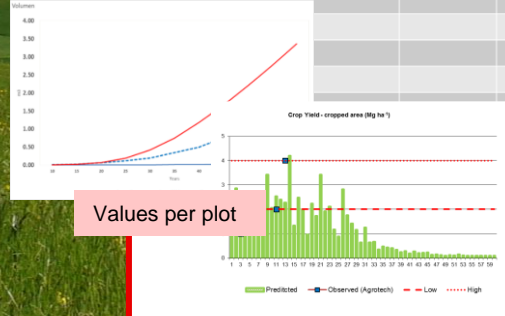


Habitat map of LTS

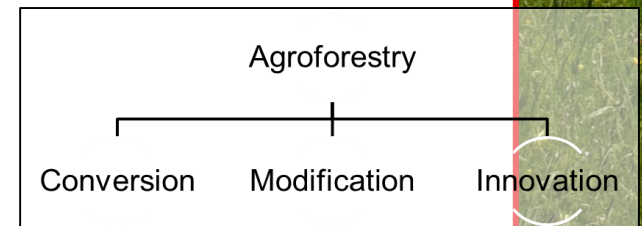
LTS	€	Kg CO2	Kg Nutrient	Pollination	Cultural
AF 1					
AF 2					
AF 3					
AF 4					
NAF 1					
NAF 2					
NAF 3					

Values per LTS

ES modelling: Yield (YieldSAFE; FarmSafe), Pollination (InVEST), Erosion (RUSLE), Biodiversity



Upscaling



Scenario analysis



Agroscope good food, healthy environment



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