WEEDS AND FIELD MARGINS: THE OTHER SIDE OF THE COIN

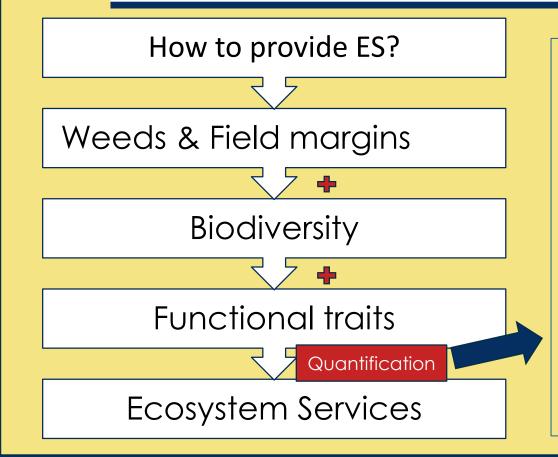


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Scope of the study

Evaluation and quantification of Ecosystem Services (ES)provided by spontaneous species through an analysis of plant functional traits

Research question



- How to measure Ecosystem Services provided by weeds and field margins?
- Which species traits are related to the potential of the species to improve the agroecosystem's capacity to provide Ecosystem Services?

Research information

WHERE: Montepaldi Long-Term experiment (MoLTE)

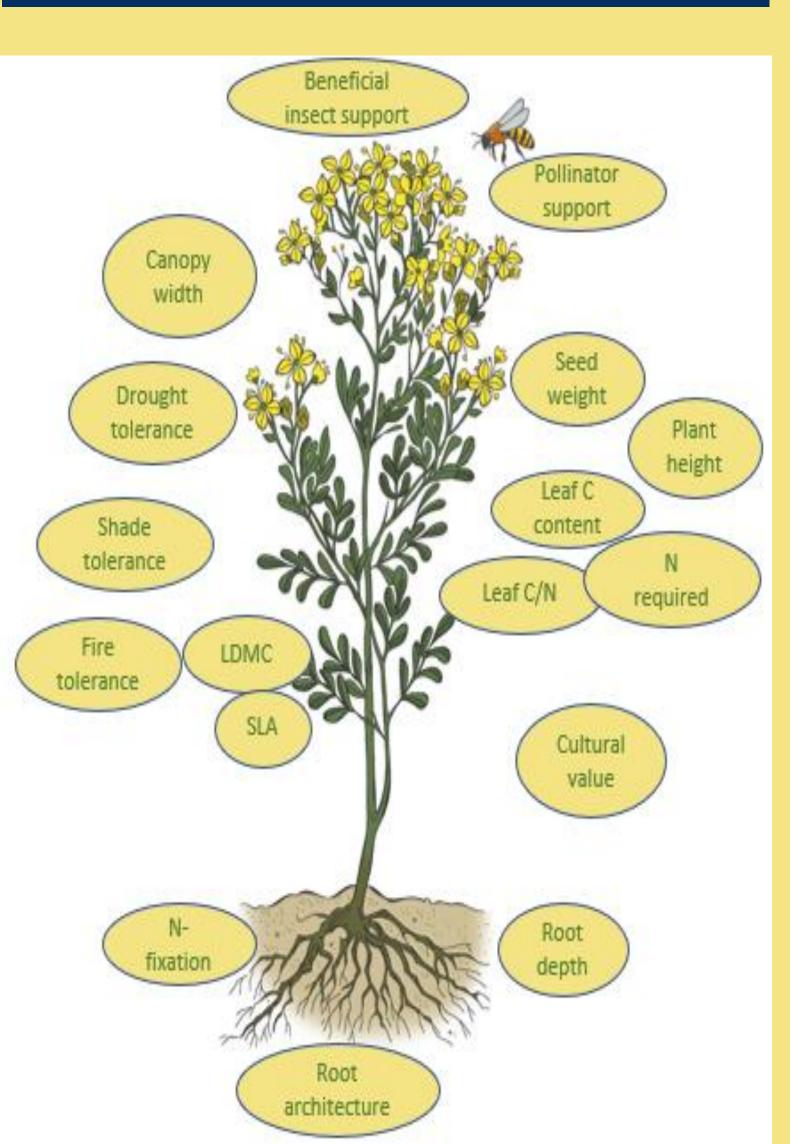
SCIENTIFIC BACKGROUND:

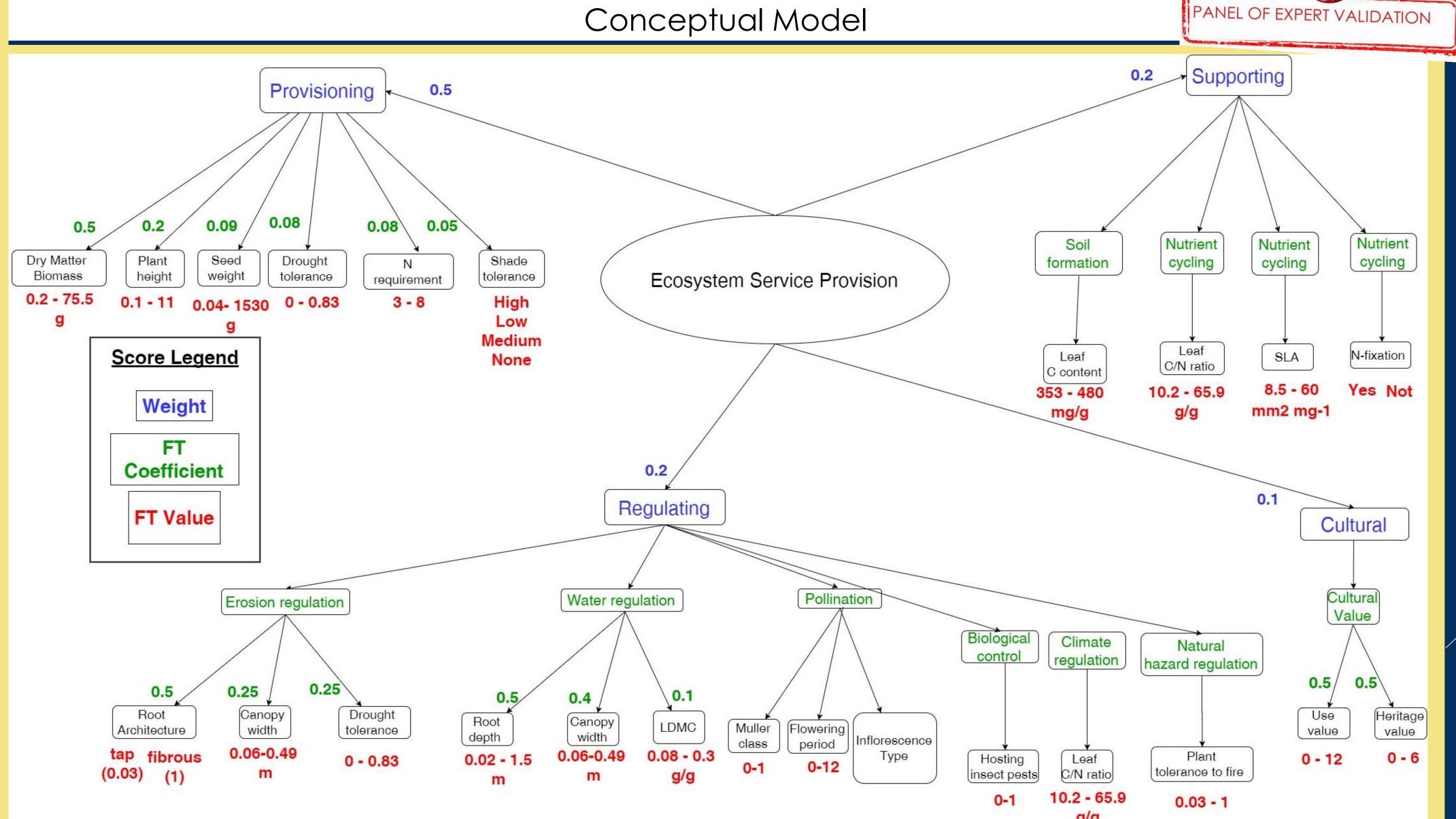
- Role of Weeds & Field margins
- Interest of society in Ecosystem Service to compensate for:
- Air, water and soil pollution
- Consumption by modern agricultural practices (Moonen et al., 2008)

Weeds and Field margins Positive aspects Negative aspects (Future scenario) (Current situation) Aesthetic Compete for value, resources with windbreakers main crop Shelter and Source of overwintering pests Alternative Obstacle for goods machineries resources Reduction Providing remunerative other ES land

Materials and Methods

Selected Functional Traits





Model Application

- Evaluation of Functional Biodiversity
- Comparison tool:
 - Organic vs
 Conventional
- Different tillage
- Different agricultural practices
- Different rotational scheme

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