Abandonment and intensification: how changes in grassland management affect pollinator communities. Lessons from LIFE PollinAction.



S. Favarin *, E. Fantinato, G. Buffa

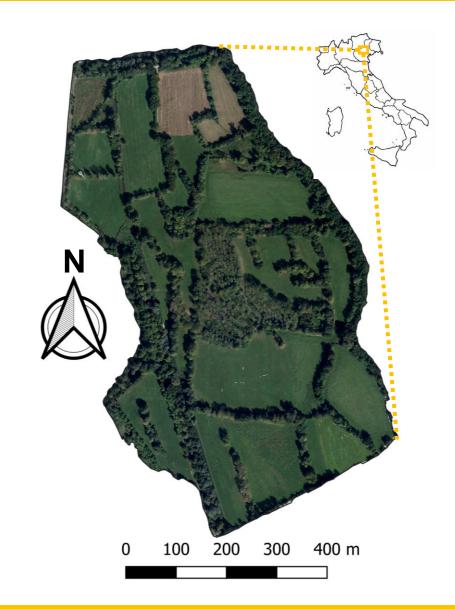
Department of Environmental Sciences, Informatics and Statistics, University Ca' Foscari of Venice, Via Torino 155, I-30172 Venice, Italy

Introduction

- Extensive grassland ecosystems are a biodiversity hotspot for plant and pollinator communities;
- In Europe, agricultural intensification has led to a decline in extensive grassland extent and quality;
- Understanding how changes in grassland management affect plant and pollinator communities is increasingly important for grassland conservation and the provision of pollination service.

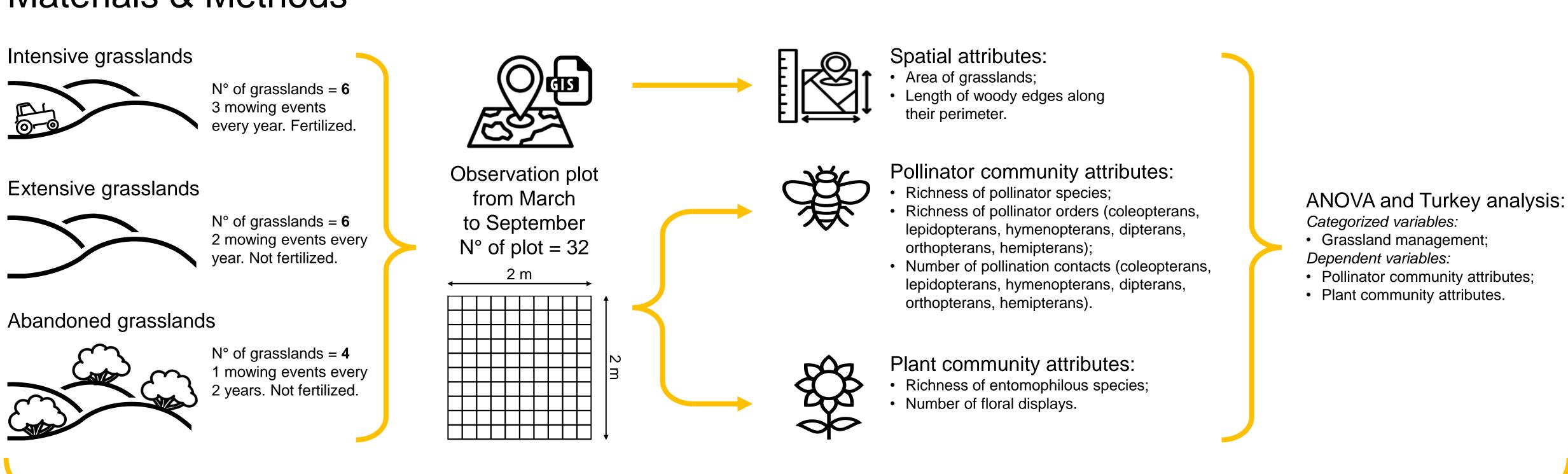
Study site

- Natura 2000 site: «Basse del Brenta», Cartigliano (VI), Italy;
- Characterized by "bocage" of perennial grasslands divided by hedges.

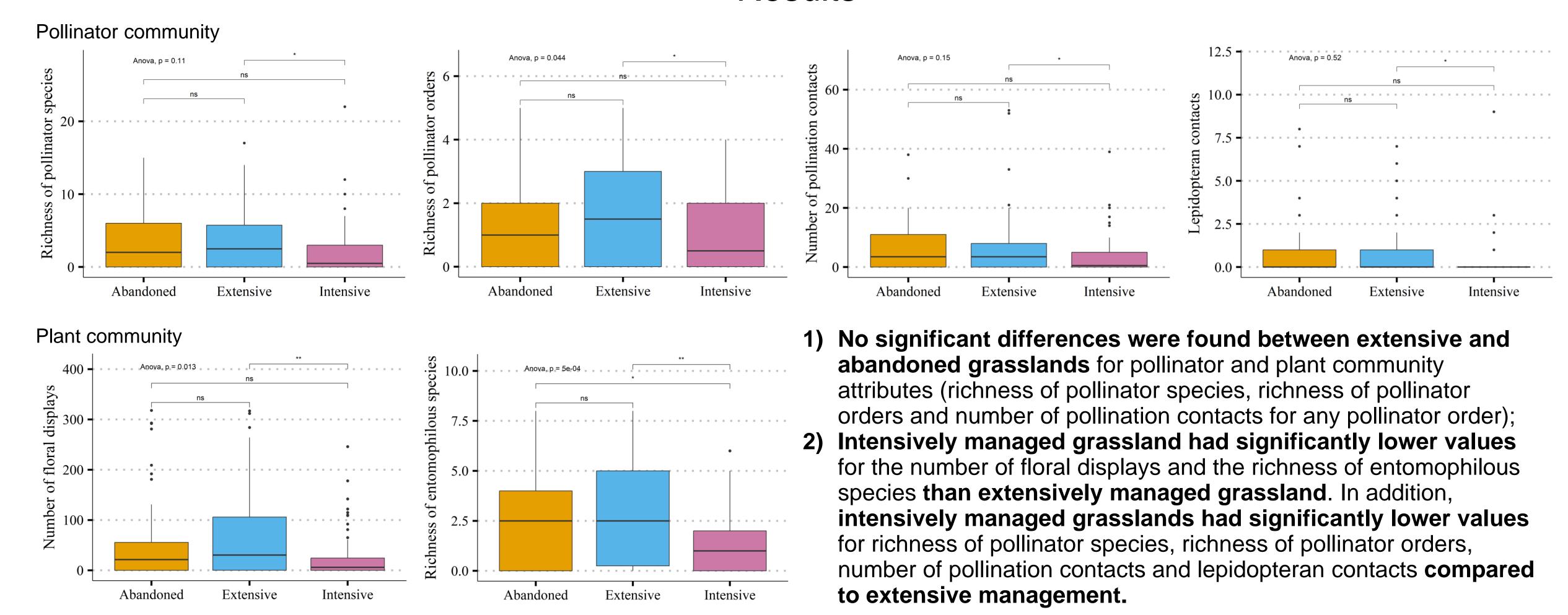


Does grassland management affect plant and pollinator communities?

Materials & Methods



Results



Extensive and abandoned grasslands have higher number of plant species and flower displays, and a higher number of orders and a greater species richness of pollinators.









