

Vegetation Science group

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Research activity



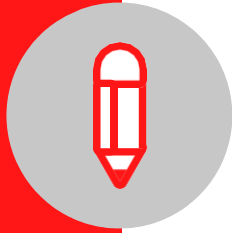
The scientific interests of the research group of Vegetation Science include **botany**, **vegetation science** and **conservation biology**. Our focus is on plant communities and their **habitat**.

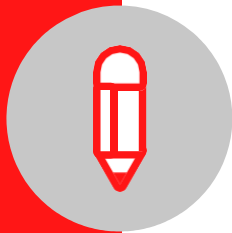
The research revolves around **biodiversity** and includes an understanding of **habitats** at different spatial scales.

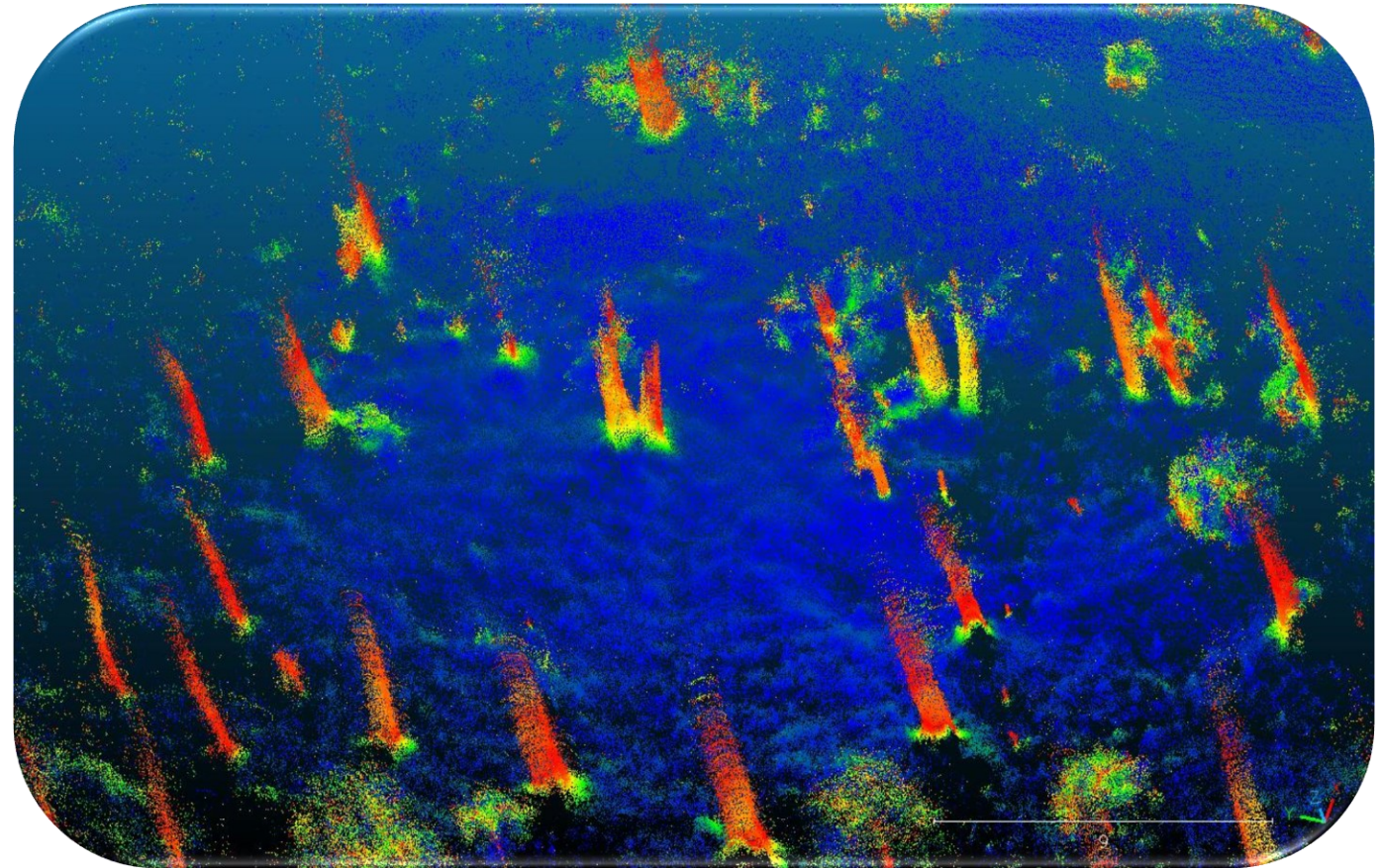
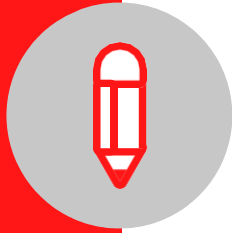
We are involved in **plant community classification**, **management of protected areas**, **nature conservation**, **ecoinformatics** and **habitat restoration**.

We manage and analyse big ecological data for studies in **vegetation classification**, **biological invasions**, **macroecology** and **conservation**.

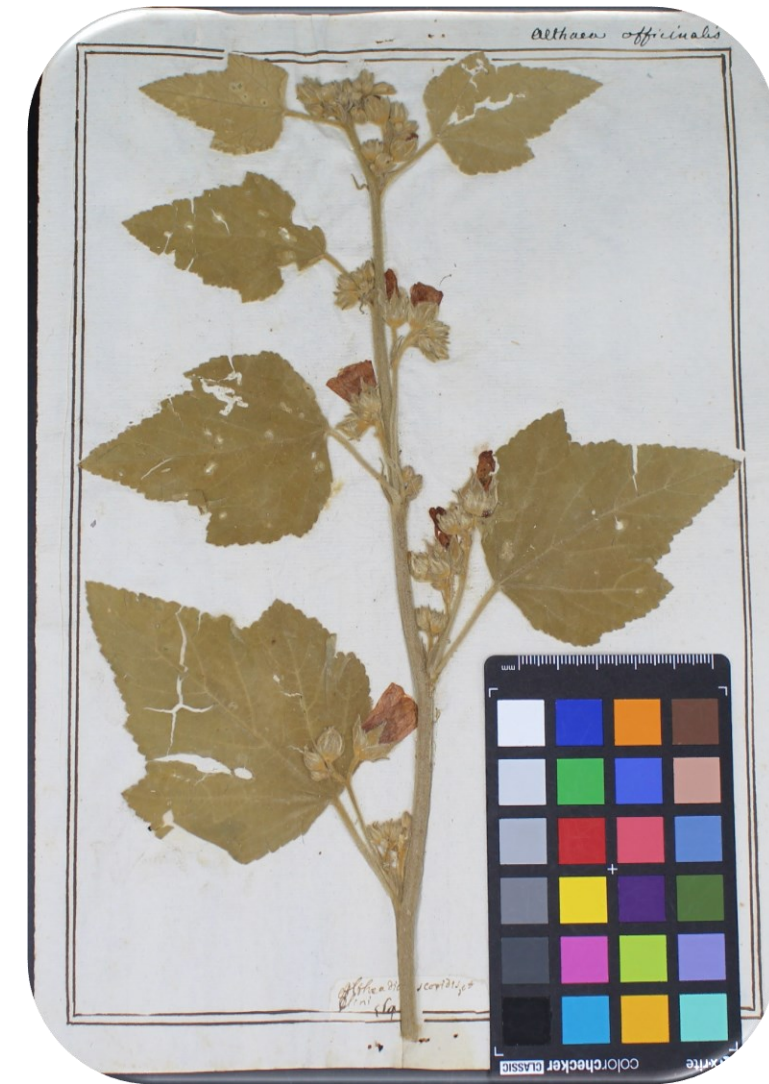
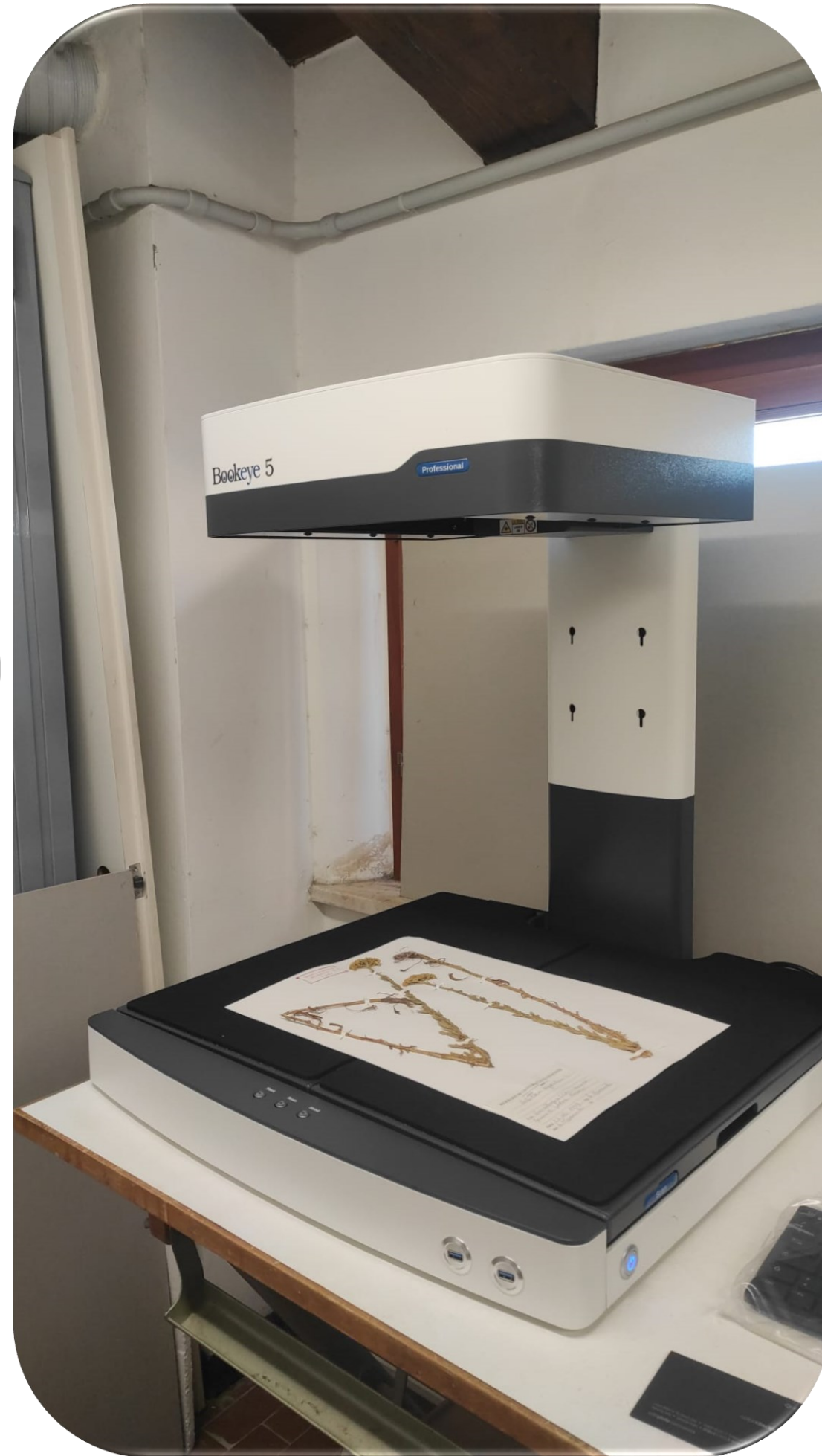
We study plant communities from the point of view of specific composition, structure, dynamism and diversity, also in relation to ecological management and conservation.

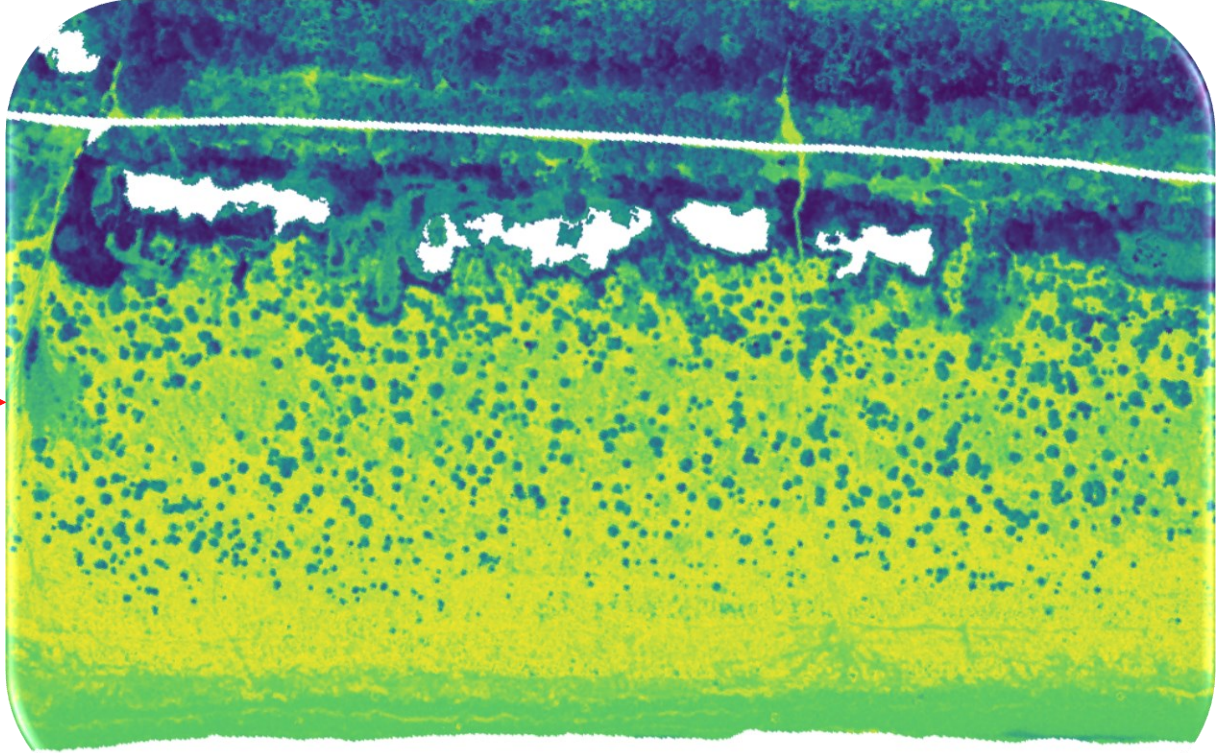
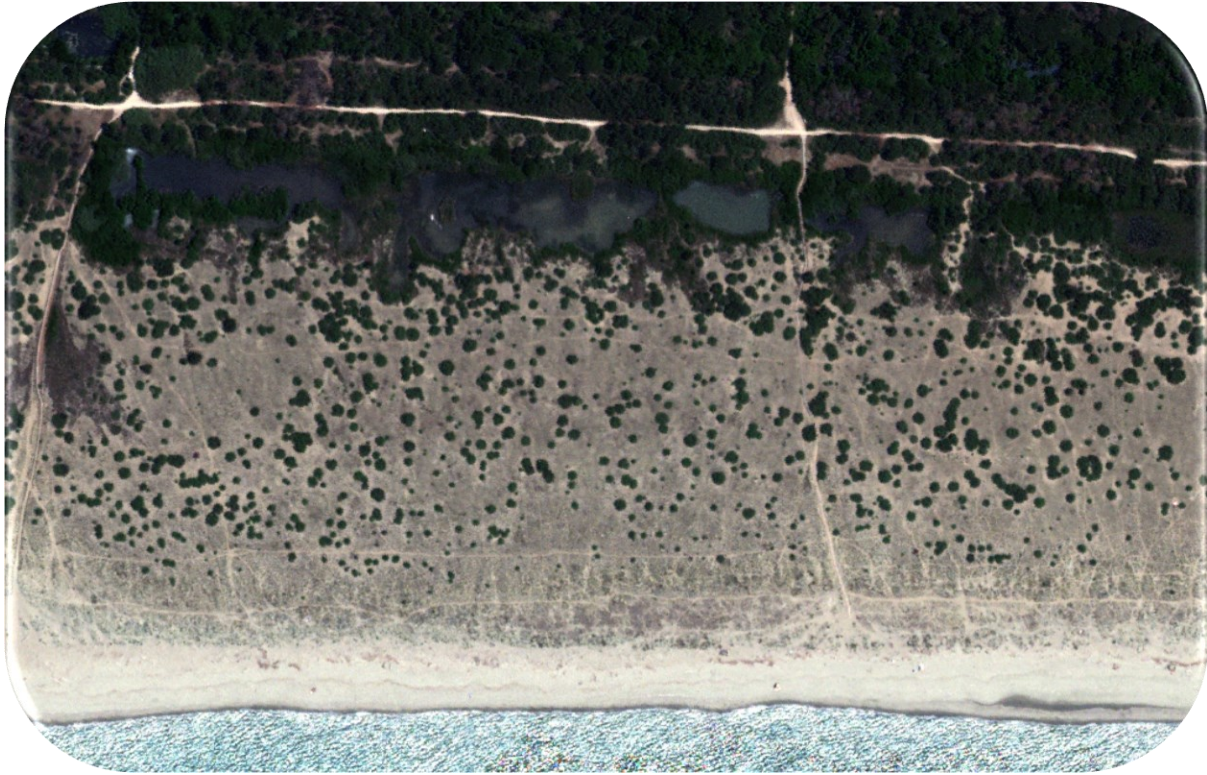
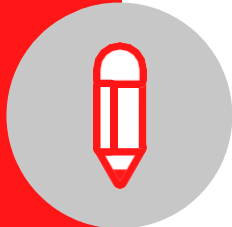




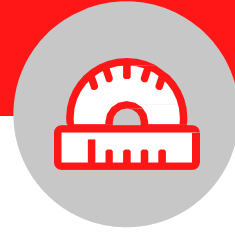








Technologies and services



- In-situ monitoring of plants and habitat types under Directive EU 92/43/EEC (Habitats Directive)
- Remote sensing for (automatic) habitat identification
- Measuring plant diversity at different scales (local, regional, national)
- Reporting best practices for natural areas management
- Plant diversity data elaboration and organisation
- UAS-based plant diversity and environmental mapping (multispectral, thermal)
- Environmental impact assessments
- Effect of agricultural management on biodiversity in agroecosystems and agricultural landscapes
- Cross-taxon congruence between vascular plants, bryophytes, lichens, animals, fungi, bacteria
- Study and digitisation of historical herbaria
- Flora and vegetation studies
- Alien species impact appraisal
- Digitisation of plant specimens
- Vegetation databases
- Digitizing of herbarium specimens

Applications
and
collaborations



Services for:

- Companies (e.g. ENEL)
- Protected areas (e.g. monitoring, vegetation databases)
- Managing bodies (e.g. Consorzi di Bonifica)
- State
- Region
- Ministry
- Environmental Agencies
- Municipal entities

**For more
information**



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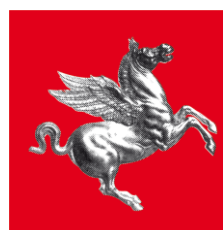
**For more
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