

AgrEcoMed

FOSTERING AGROECOLOGICAL TRANSITION

“New AGRoecological approach for soil fertility and biodiversity restoration to improve ECONomic and social resilience of MEDiterranean farming systems”

Deliverable 5.9
Cartographic process

Document information

Project acronym: **AgrEcoMed**

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RIA: Up-scaling field practices based on agroecological practices to increase ecosystem services and biodiversity, to adapt the small farming systems to climate change and to increase farmers incomes

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Lead Organisation: University of Basilicata (UNIBAS)

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	OTHER→ Software, technical diagram, etc.	<input type="checkbox"/>

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Acronym and abbreviations

AgrEcoMed	New AGRoecological approach for soil fertility and biodiversity restoration to improve ECONomic and social resilience of MEDiterranean farming systems
PRIMA	Partnership for Research and Innovation in the Mediterranean Area
MEL	Monitoring, Evaluation and Learning platform
WP	Work package



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Executive summary

The AgrEcoMed project, funded under the European Union's Horizon 2020 research and innovation program PRIMA and Grant Agreement PRIMA21_00018 is a research project aimed to fill the research gaps for implementing a biodiversity-based strategy for primary crops as cereal farming systems through an Agroecological approach adapted to environments in Mediterranean countries, efficient use of natural resources, reduction of pollution, circular economy. Such a goal will be achieved through innovative approaches to support the sustainable production of staple foods in the scenario of the present and future climate changes. To support the strategic coordination and overall management structure of this project, a project execution plan is essential. Women are the strongest supporters of agroecology in many Mediterranean states and play a critical and potentially transformative role in agricultural growth. In this direction, agroecology can be seen as a tool for the economic development and empowerment of rural women, becoming a response to the transformation of the food production and consumption system. CREA Policies and Bioeconomy intends to strengthen the system of knowledge and cooperation among farmers in the Mediterranean area, with particular attention to women and young people through the Establishment of a network of women in agroecological transition and the creation of a Policy brief on the agroecological approach.

Keywords: PRIMA, AgrEcoMed, agroecological policy, dissemination, network, young people, women

AgrEcoMed project

AgrEcoMed is a 36-month Research and Innovation Action (RIA) project under Grant Agreement No PRIMA21_00018 aiming to fill the research gaps for implementing a biodiversity-based strategy for primary crops as cereal farming systems through an Agroecological approach adapted to environments in Mediterranean countries, efficient use of natural resources, reduction of pollution, circular economy. The effective start of the project is 23/05/2022 and the project ends 36 months later, on 31/05/2025. The AgrEcoMed consortium consists of 8 partners from 4 countries (including two EU and non-EU countries). The project is coordinated by the University of Basilicata (UNIBAS, Italy). The list of Project Participants is included in the Grant Agreement, in the Consortium Agreement, and presented in Table 1. The project has an overall budget of 1,308,051.15 €. The budget detailed per beneficiary and the corresponding EU contribution of each beneficiary is detailed in Annex 2 to the Grant Agreement – Estimated budget of the action.

Table 1. Partners of the AgrEcoMed project and representatives.

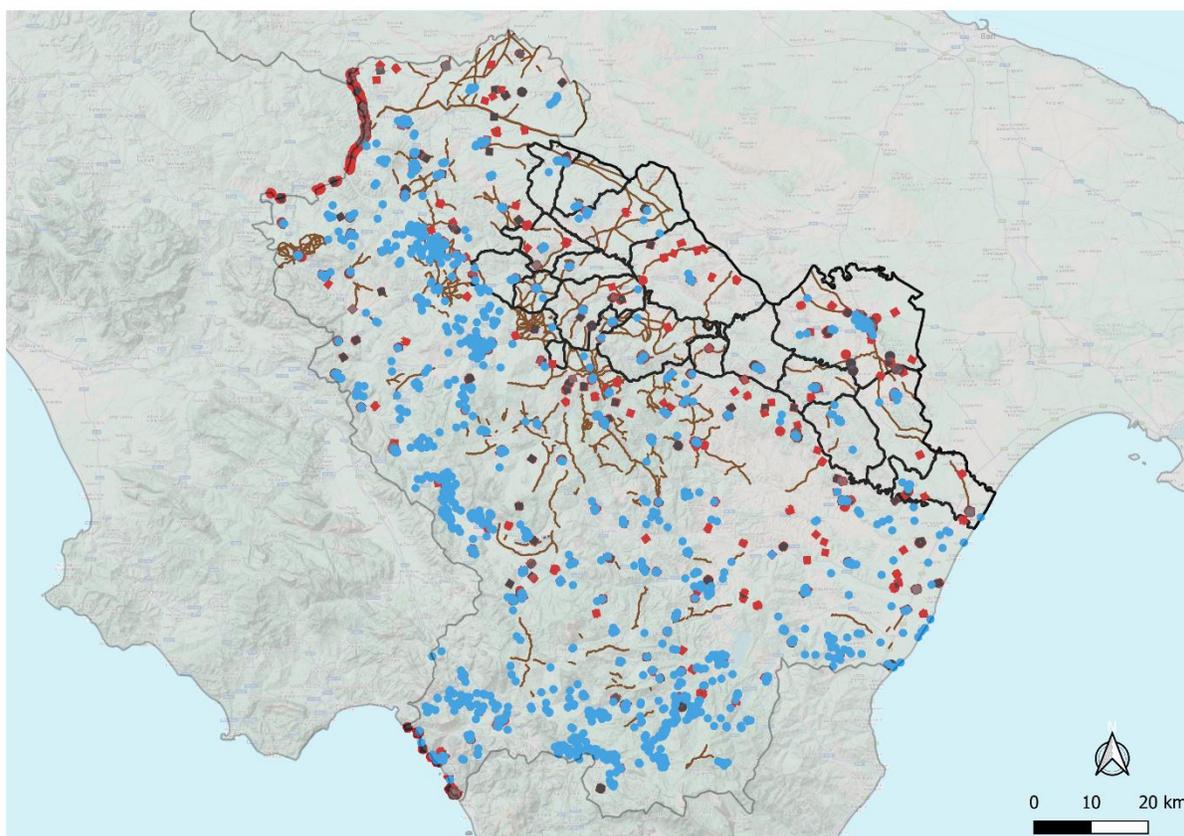
Participant No *	PI name	Organization	Short name	Country	Type
P1	Michele Perniola	University of Basilicata	UNIBAS	Italy	Higher Education Institution
P2	Luigi Roselli	University of Bari	UNIBA	Italy	Higher Education Institution
P3	Maria Assunta D'Oronzio	Council for Agricultural Research and Economics	CREA	Italy	Public Research organization
P4	Ines Yacoubi	Centre of Biotechnology of Sfax	CBS	Tunisia	Public organization
P5	Hanine Hafida	University Sultan Moulay Slimane Beni Mellal	USMS	Morocco	Higher Education Institution
P6	Said Ennahli	National School of Agriculture	ENAM	Morocco	Public Research Organisation
P7	Julio Berbel	Universidad de Córdoba	UCO	Spain	Higher Education Institution
P8	Neus Sanjuan Pellicer	Universitat Politècnica de València	UPV	Spain	Higher Education Institution

This deliverable outlines the comprehensive protocols and methodologies designed to enhance collaboration and knowledge sharing within the AgrEcoMed network. It aims to establish standardized practices that facilitate effective communication, data exchange, and joint research efforts among the consortium partners. The protocols encompass various aspects, including data collection techniques, analytical methods, and best practices for stakeholder engagement. By implementing these methodologies, the project seeks to foster a cohesive network that leverages the diverse expertise of its members, ultimately contributing to the successful execution of agroecological initiatives. The deliverable serves as a foundational resource for ensuring consistency and quality in the collaborative processes, thereby enhancing the overall impact of the AgrEcoMed project on sustainable agricultural practices in the Mediterranean region.

Cartography or mapmaking

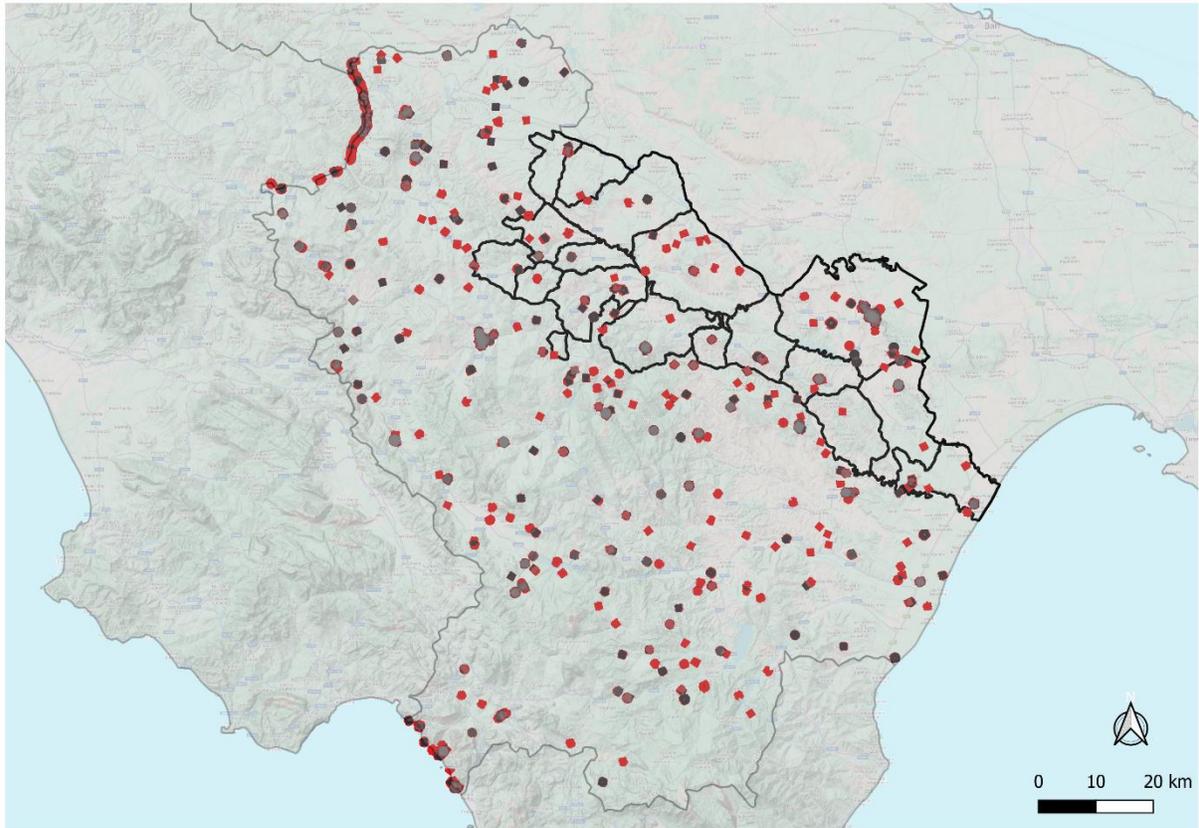
The present activity is carried out within WP 5.9, included in Task 5 ‘Analysis of the Mediterranean Landscape within the Ecological Transition System Model.’ The following maps were developed and included in the final report on the Lucanian agroecological landscape. Part of the research involved identifying and mapping rural buildings in Basilicata and in the study area (Agroecological District of Murge Alto-Bradano), with particular reference to cultural heritage sites – monuments pursuant to Article 10 of Legislative Decree 42/2004 (farmhouses, historic buildings, churches, rural farmhouses, villas, etc.), transhumance routes, and fountains.

Figure 1 - Cartographic representation of cultural heritage sites – monuments pursuant to Article 10 of Legislative Decree 42/2004 (farmhouses, historic buildings, churches, rural farmhouses, villas, etc.; red dots), transhumance routes (brown line) and fountains (blue dots) in the Murge-Alto Bradano Agroecological District Study Area.



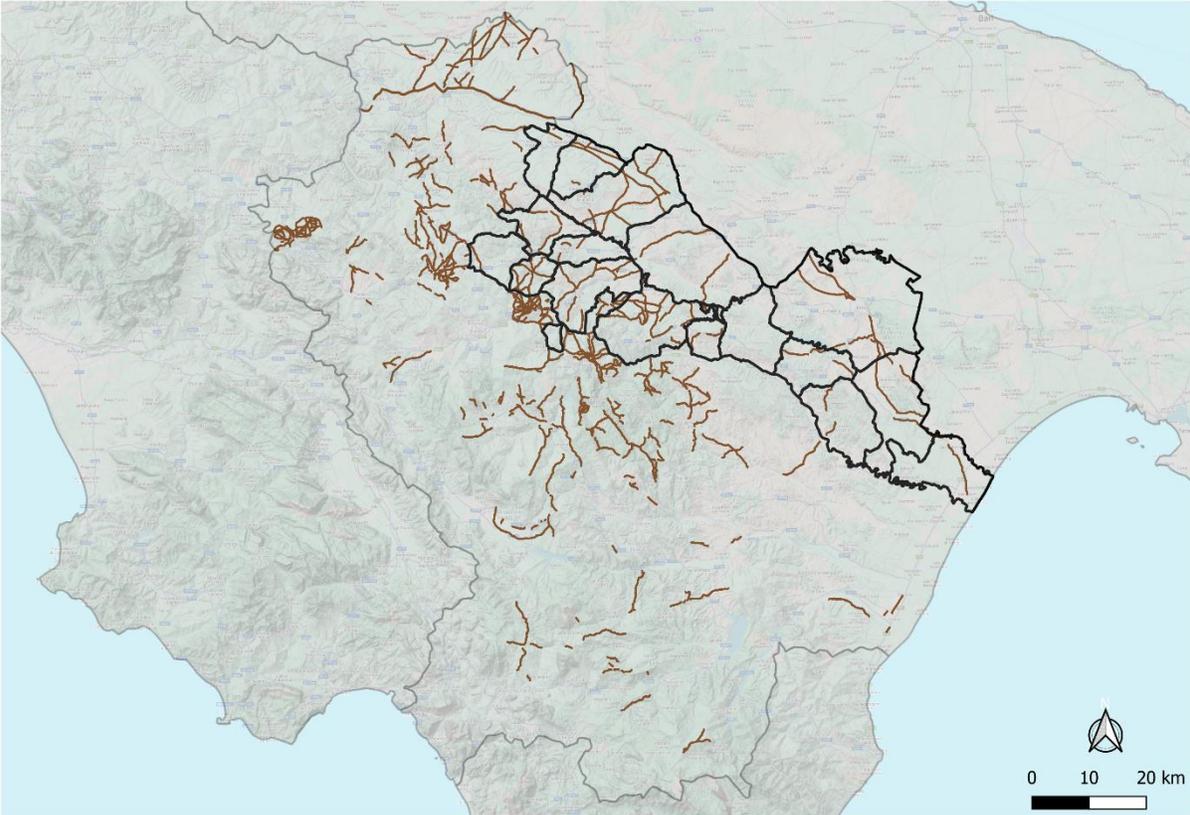
Source: Crea analysis based on data from RSDI Basilicata ed Acquedotto Lucano

Figure 2 - Cartographic representation of cultural heritage sites – monuments pursuant to Article 10 of Legislative Decree 42/2004 (farmhouses, historic buildings, churches, rural farmhouses, villas, etc.) in Basilicata.



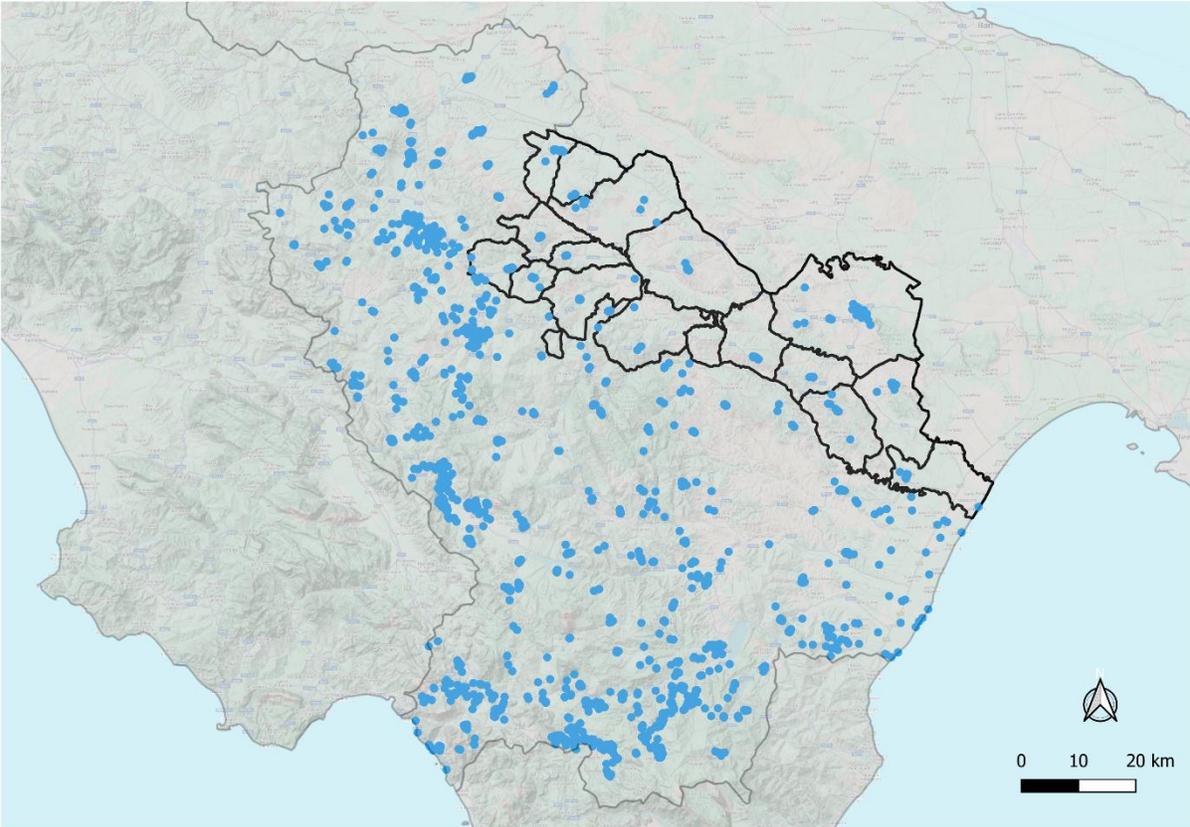
Source: Crea analysis based on data from RSDI Basilicata

Figure 3 - Cartographic representation of transhumance routes in Basilicata.



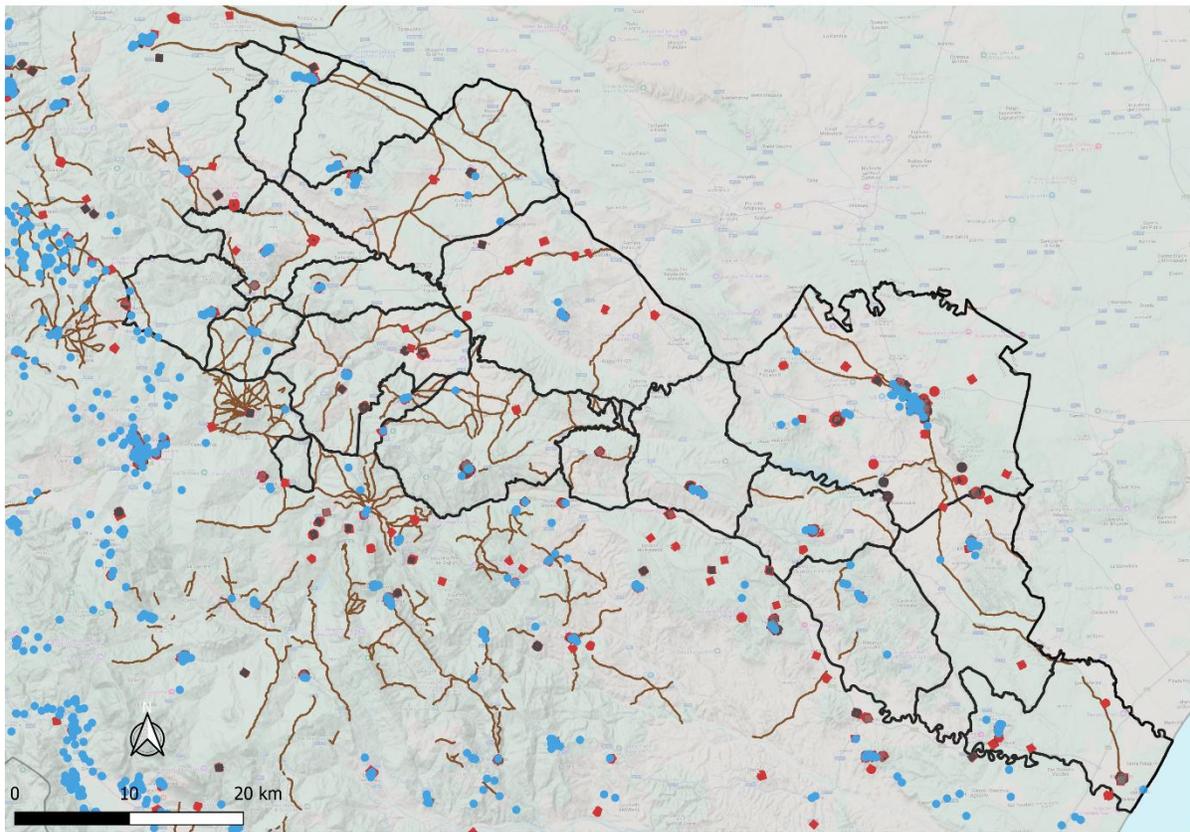
Source: Crea analysis based on data from RSDI Basilicata

Figure 4 - Cartographic representation of fountains in Basilicata.



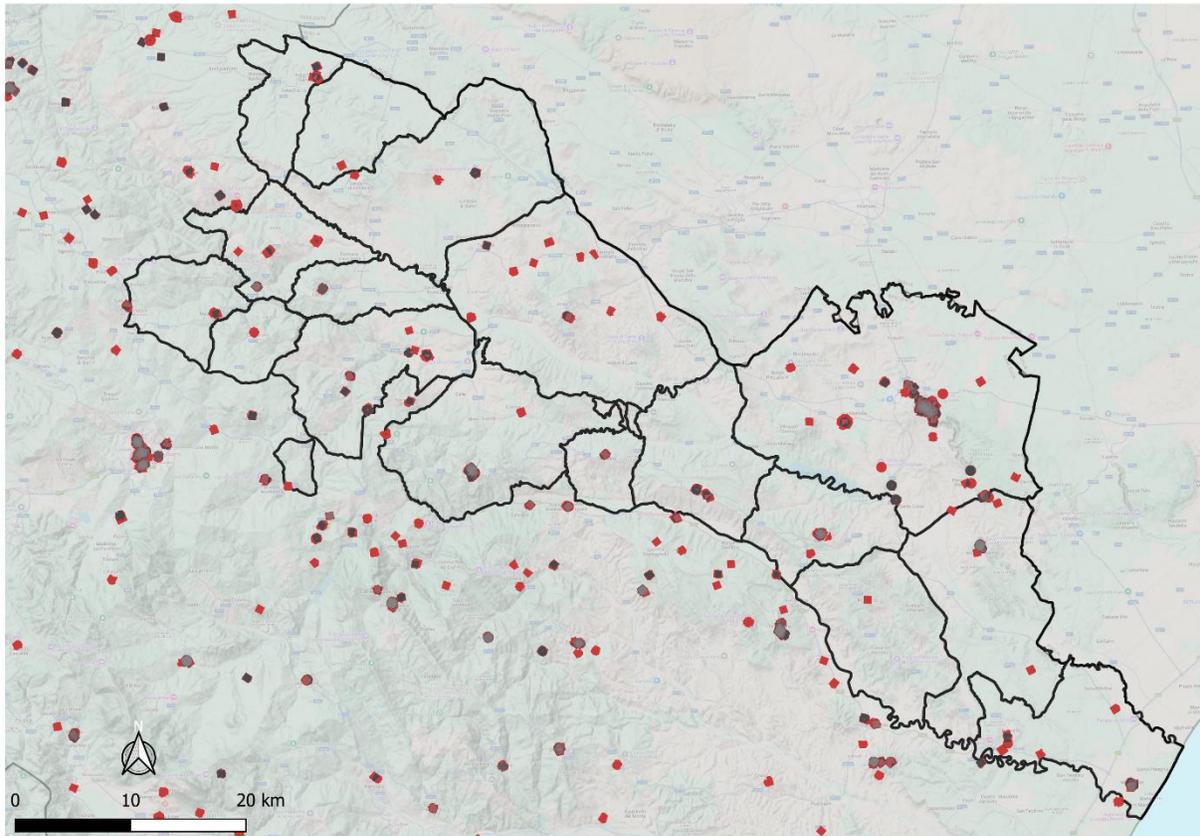
Source: Crea analysis based on data from Acquedotto Lucano

Figure 5 - Cartographic representation of cultural heritage sites – monuments pursuant to Article 10 of Legislative Decree 42/2004 (farmhouses, historic buildings, churches, rural farmhouses, villas, etc.; **red dots), transhumance routes (**brown lines**), and fountains (**blue dots**) in the Murge-Alto Bradano Agroecological District Study Area.**



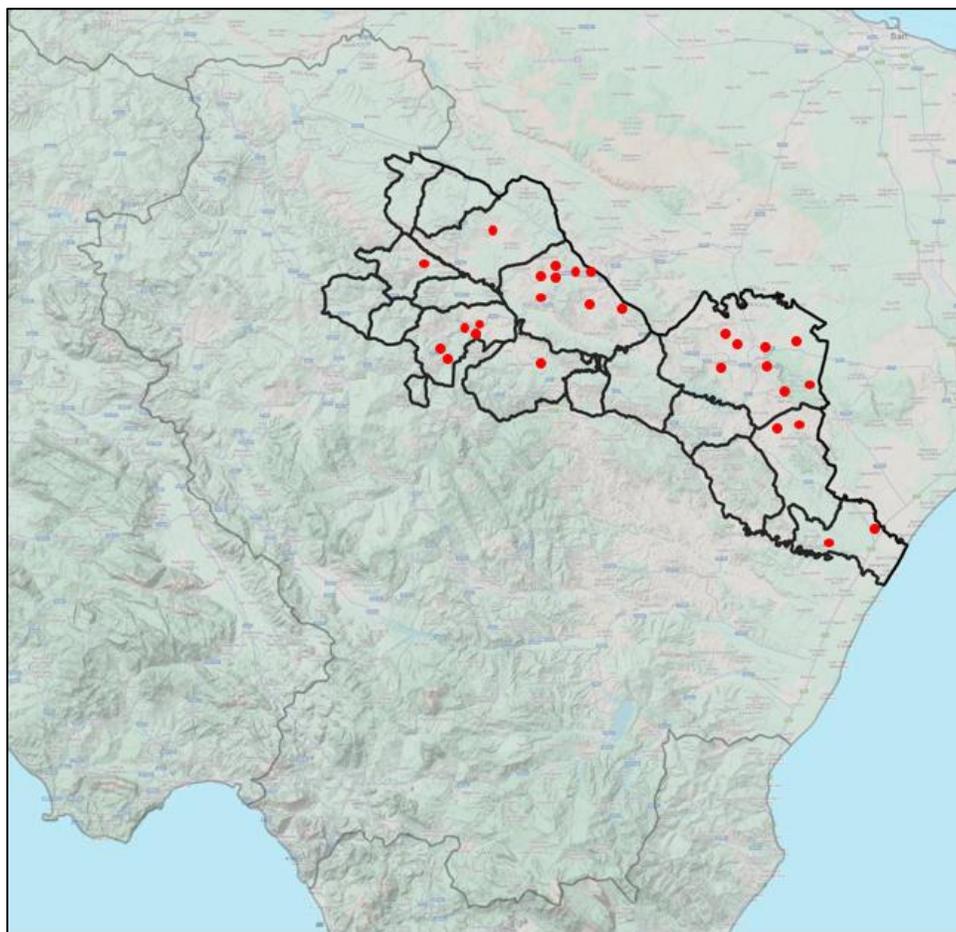
Source: Crea analysis based on data from RSDI Basilicata ed Acquedotto Lucano

Figure 6 - Cartographic representation of cultural heritage sites – monuments pursuant to Article 10 of Legislative Decree 42/2004 (farmhouses, historic buildings, churches, rural farmhouses, villas, etc.) in the Murge-Alto Bradano Agroecological District study area.



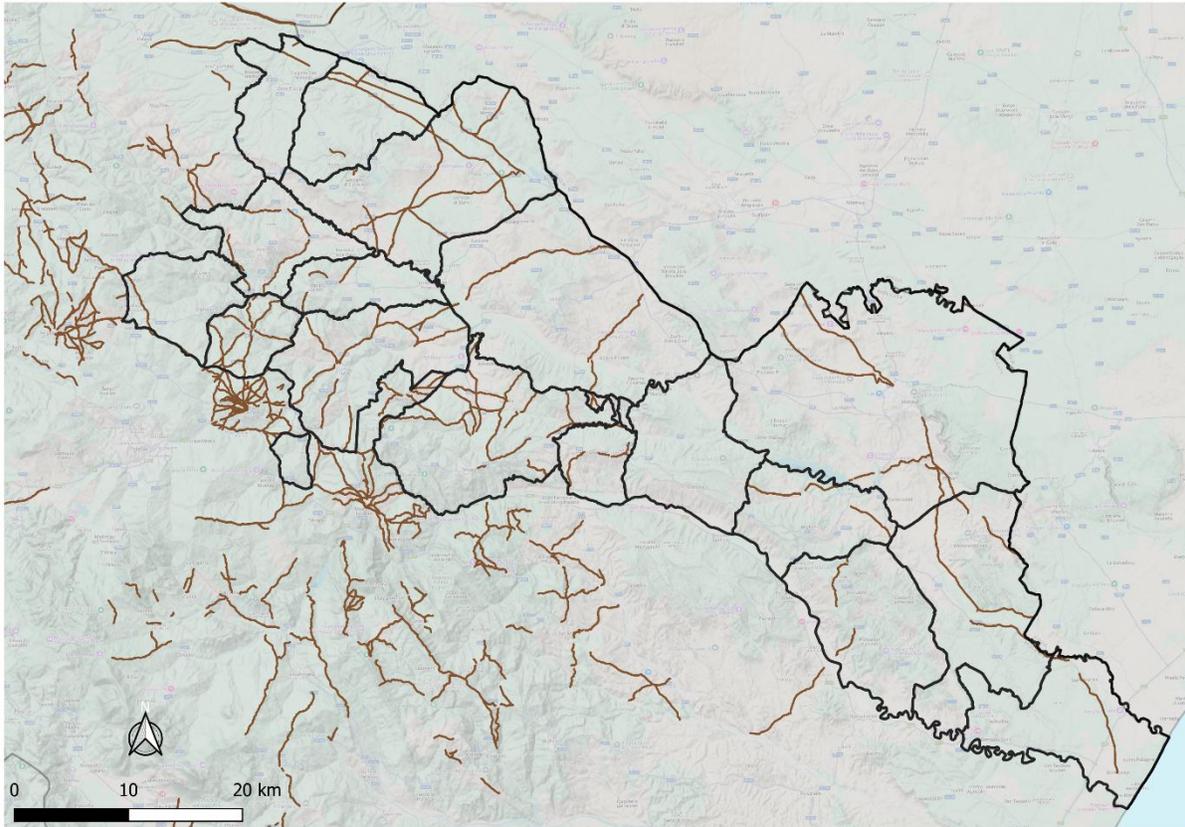
Source: Crea analysis based on data from RSDI Basilicata

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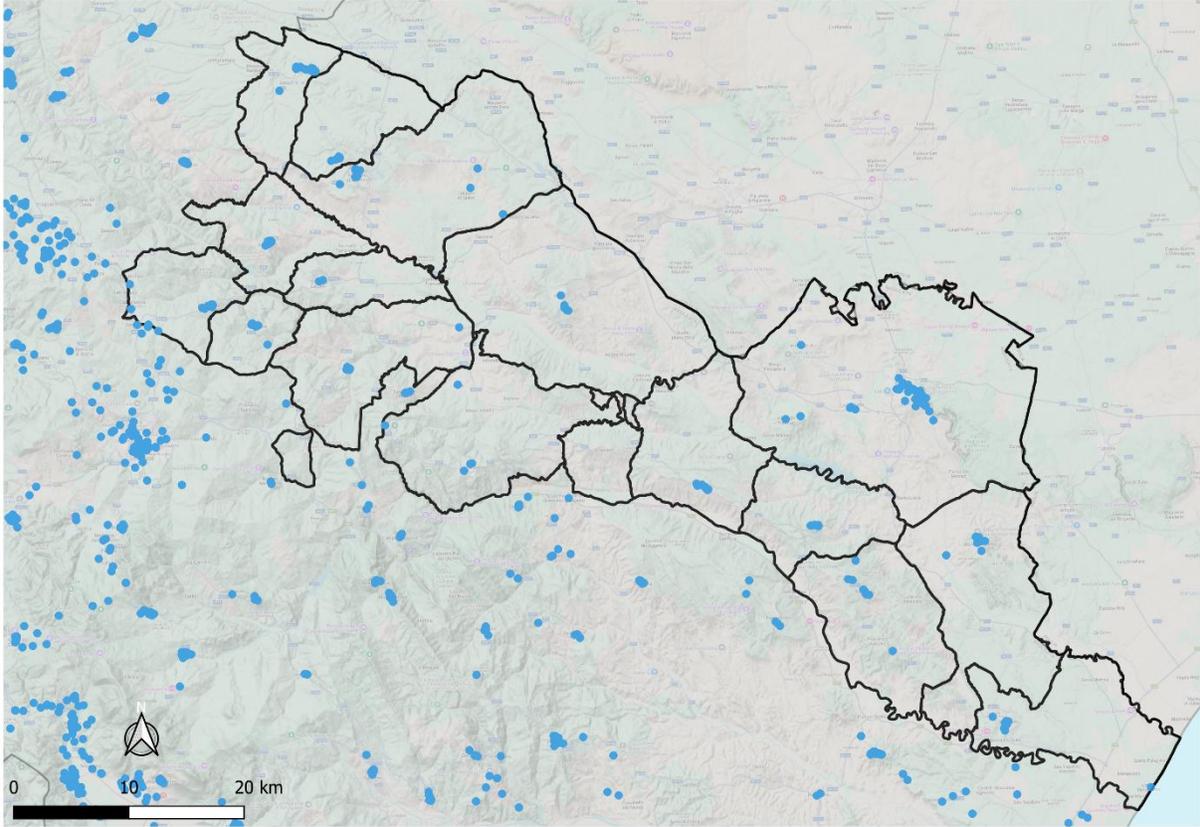
Source: Crea analysis based on data from RSDI Basilicata

Figure 8 - Cartographic representation of transhumance routes in the Murge-Alto Bradano Agroecological District Study Area.



Source: Crea analysis based on data from RSDI Basilicata

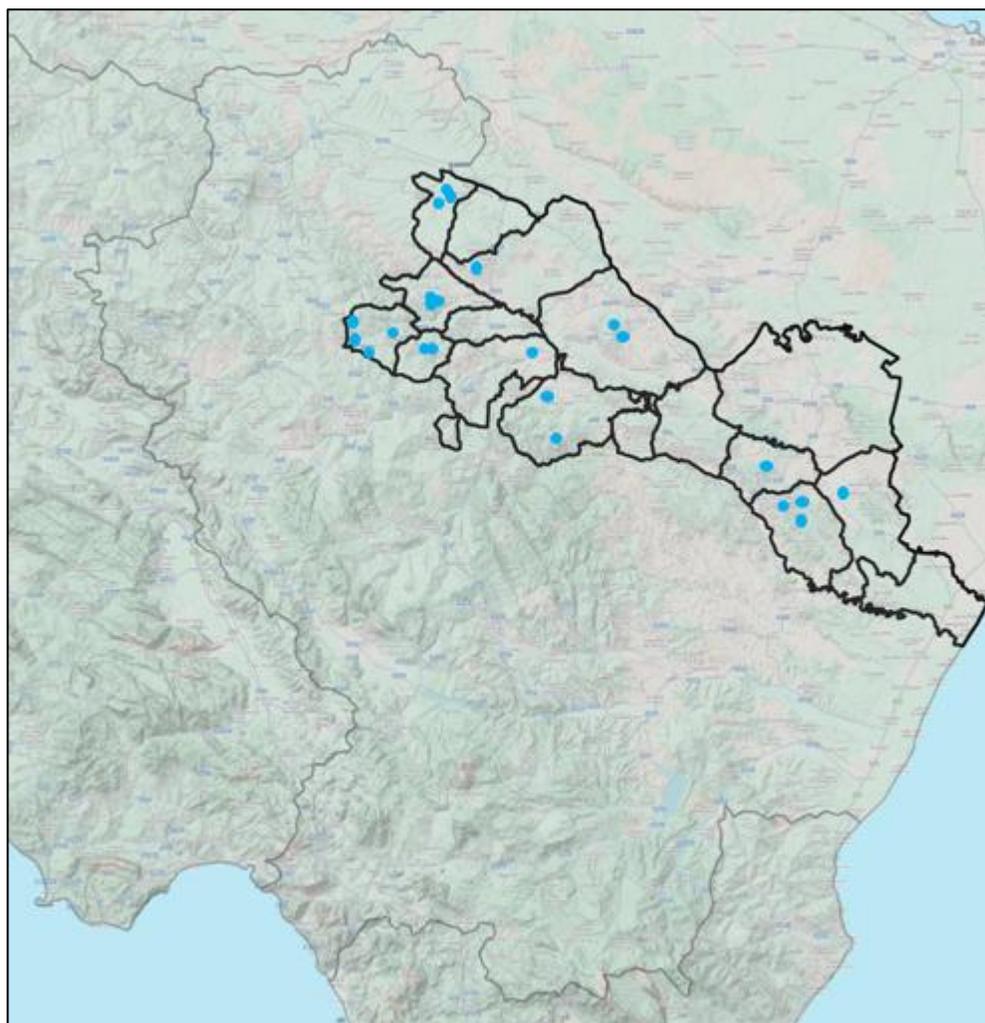
Figure 9 - Cartographic representation of fountains in the Murge-Alto Bradano Agroecological District Study Area.



Source: Crea analysis based on data from Acquedotto Lucano

Figure 10 - Cartographic representation of fountains with drinking troughs in the Murge-Alto Bradano Agroecological District Study Area.

Definition of drinking trough: “A container or basin for watering animals, consisting of a simple channel made of wooden planks or tree trunks, or, especially in rural constructions, a structure made of stone, concrete or masonry”. Treccani, 2026.



Source: Crea analysis based on data from Acquedotto Lucano

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