



MULTI-FUNCTIONAL AGRICULTURE FOR TERRITORIAL RESILIENCE

THE CASE STUDY OF VALLE D'ITRIA

DONE BY :

Wafa Bouhjar

Yumna Khaled

Mohamed Elarbi Brick

Isaac Akomaning



TABLE OF CONTENTS



01 INTRODUCTION

02 METHODOLOGY

03 VALLE D'ITRIA
VISITED ACTORS TYPOLOGY

04 RANGE OF MFA PRACTICES
AND MAIN ACTORS

05 THE EFFECTS OF MFA
ON TERRITORIAL RESILIENCE

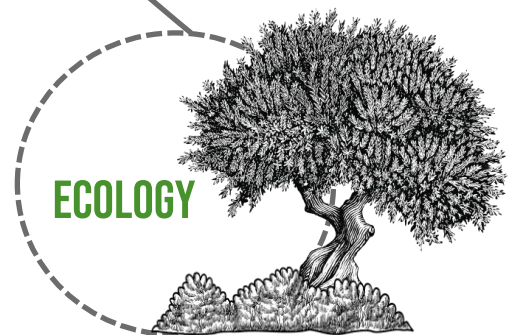
06 CONCLUSION



MULTIFUNCTIONAL AGRICULTURE



MULTIFUNCTIONAL AGRICULTURE ISN'T JUST ABOUT GROWING FOOD. IT'S A WAY OF MANAGING LAND THAT CONSIDERS THE ENVIRONMENT, PEOPLE, AND THE ECONOMY ALL TOGETHER. IT INCLUDES THINGS LIKE PROTECTING NATURE, CREATING JOBS IN RURAL AREAS, AND EVEN OFFERING EDUCATIONAL PROGRAMS OR CARE SERVICES. THIS CREATES A WIN-WIN FOR FARMERS, SOCIETY, AND THE ENVIRONMENT



IS THE ABILITY OF FARMERS AND AGRICULTURAL SYSTEMS TO ABSORB AND RECOVER FROM SHOCKS AND STRESSES THAT AFFECT THEIR PRODUCTION AND LIVELIHOODS.

QUALITY OF LANDSCAPE

NATURAL CAPITAL
HUMAN INPUTS

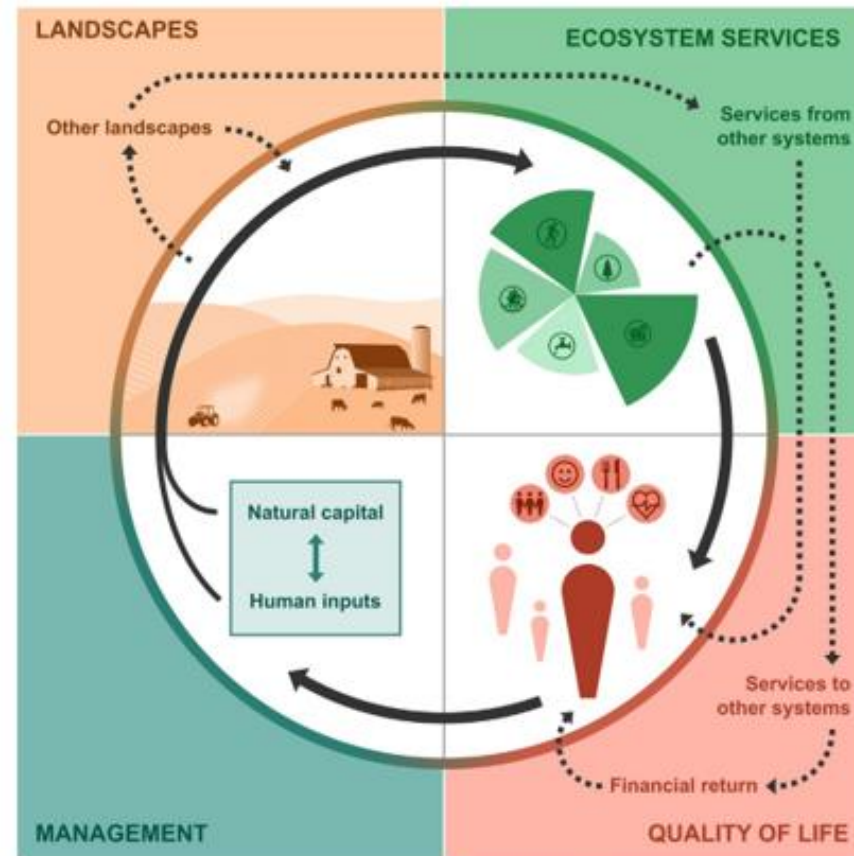


Fig. 1 Conceptual diagram of an agricultural landscape. Solid lines inside the circle represent flows of material or information within a landscape. Dotted lines outside the circle represent flows from one landscape to another.

PROVISIONING
SUPPORTING
REGULATION
CULTURE

LIVELIHOODS
INCOME



01

THE RANGE OF MFA PRACTICES AND PROCESSES THAT FARMERS IMPLEMENT IN THE CASE STUDY AREA

02

THE MAIN ACTORS WHO FACILITATE MFA DIFFUSION

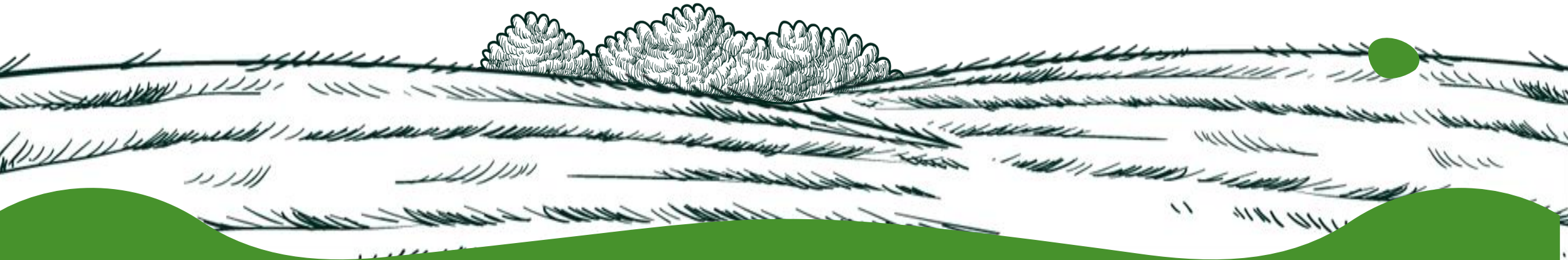
03

THE EFFECTS OF MFA IMPLEMENTATION ON TERRITORIAL RESILIENCE





02 METHODOLOGY



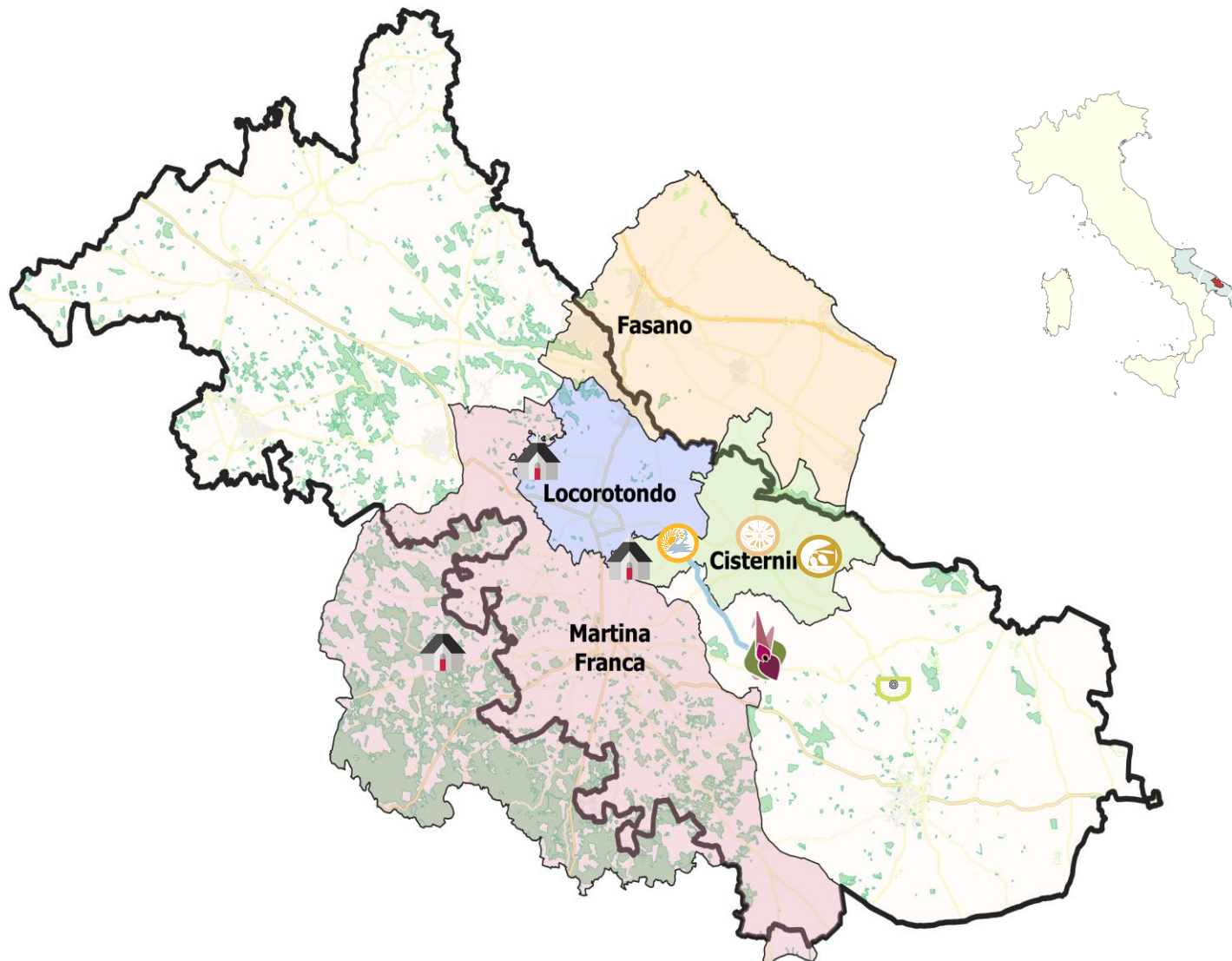
02 STUDY ZONE



INCLUDES FOUR MUNICIPALITIES
EXTENSION OF 530 THOUSAND KM²

- VINE CULTIVATION :1.100 HA
- OLIVE CULTIVATION :12.400 HA
- ARABLE LAND :12.000 HA
- PASTURES :2.700 HA
- WOODS :3.000 HA

KNOWN FOR TOURISM 36 HOTELS ,
195 FARMHOUSES
AND 1450 HOLIDAY HOMES





FIELD VISITS

LITERATURE REVIEW

- BETTER UNDERSTAND THE PROBLEMATIC OF THIS SUBJECT
- HAVE A GENERAL IDEA ABOUT THE STUDY AREA

PHASE 1



- INTERVIEWING DIFFERENT STAKEHOLDERS
- OBSERVING AND DIAGNOSING THE MFA

PHASE 2

ANALYZING PHASE

- DECONSTRUCTION OF THE COLLECTED DATA
- ANALYZING IT WITH VARIOUS TOOLS

PHASE 3

WORKSHOP PHASE WITH STAKEHOLDERS

- DISCUSSION ABOUT THE DIFFERENT RESULTS
- DIAGNOSTIC REVIEW AND VALIDATION

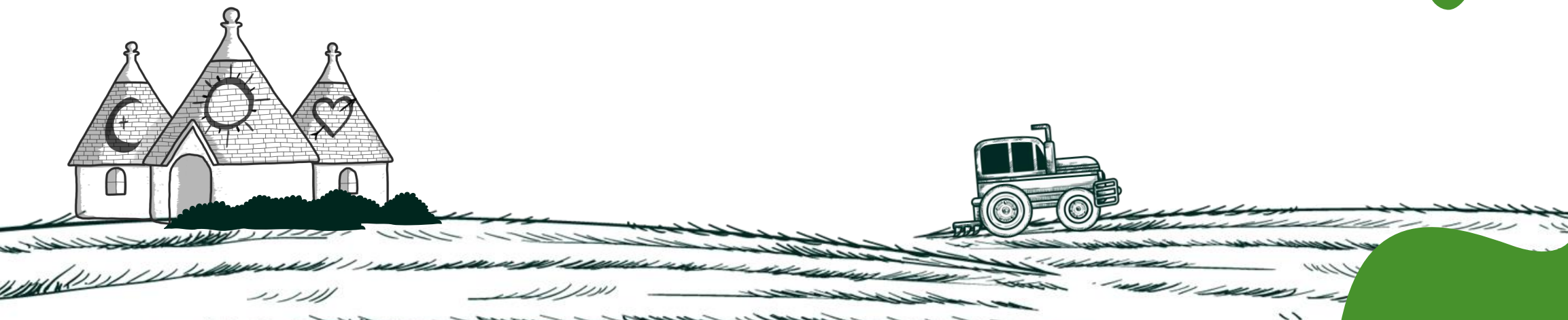
PHASE 4





03

VALLE D'ITRIA VISITED ACTORS TYPOLOGY



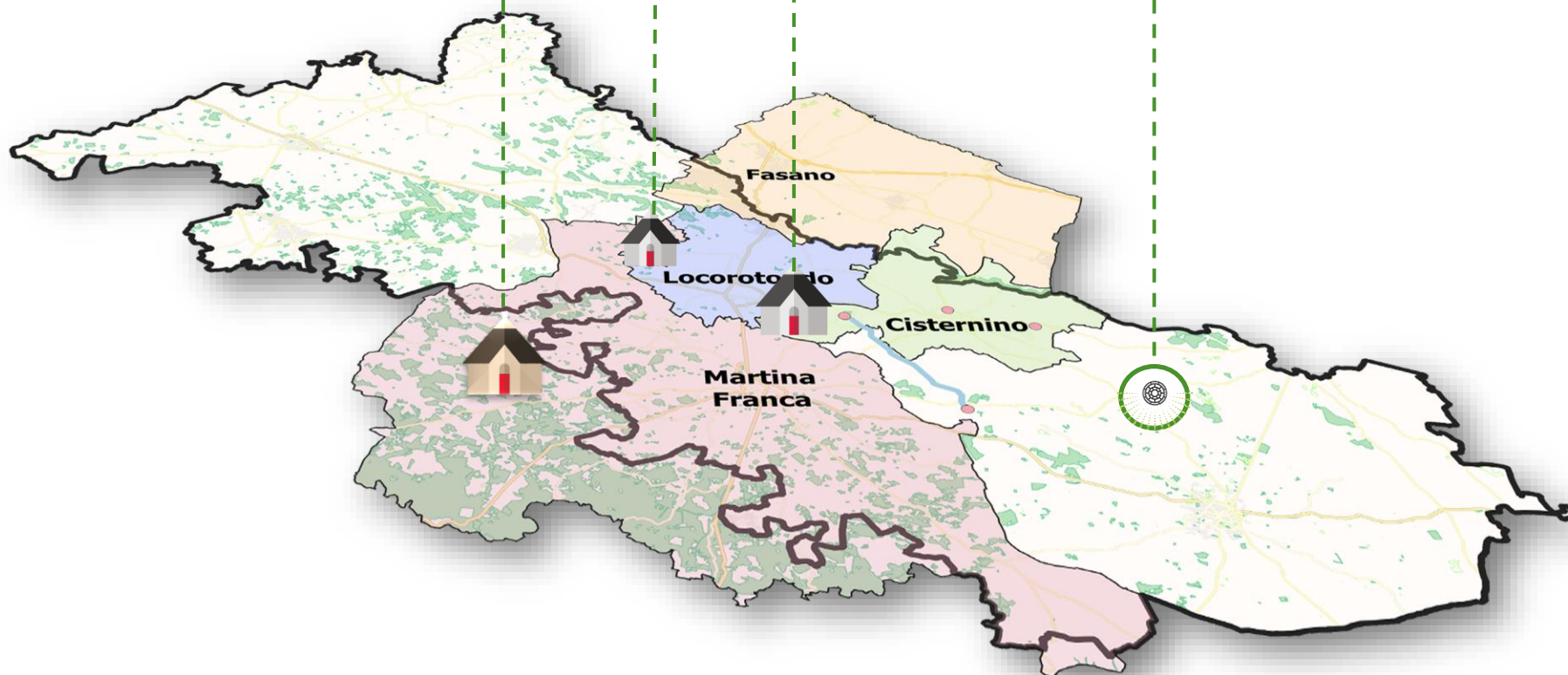


FARM HOUSE

TYPICAL FARM



MONTEMARCUCCIO



FARMERS TYPOLOGY

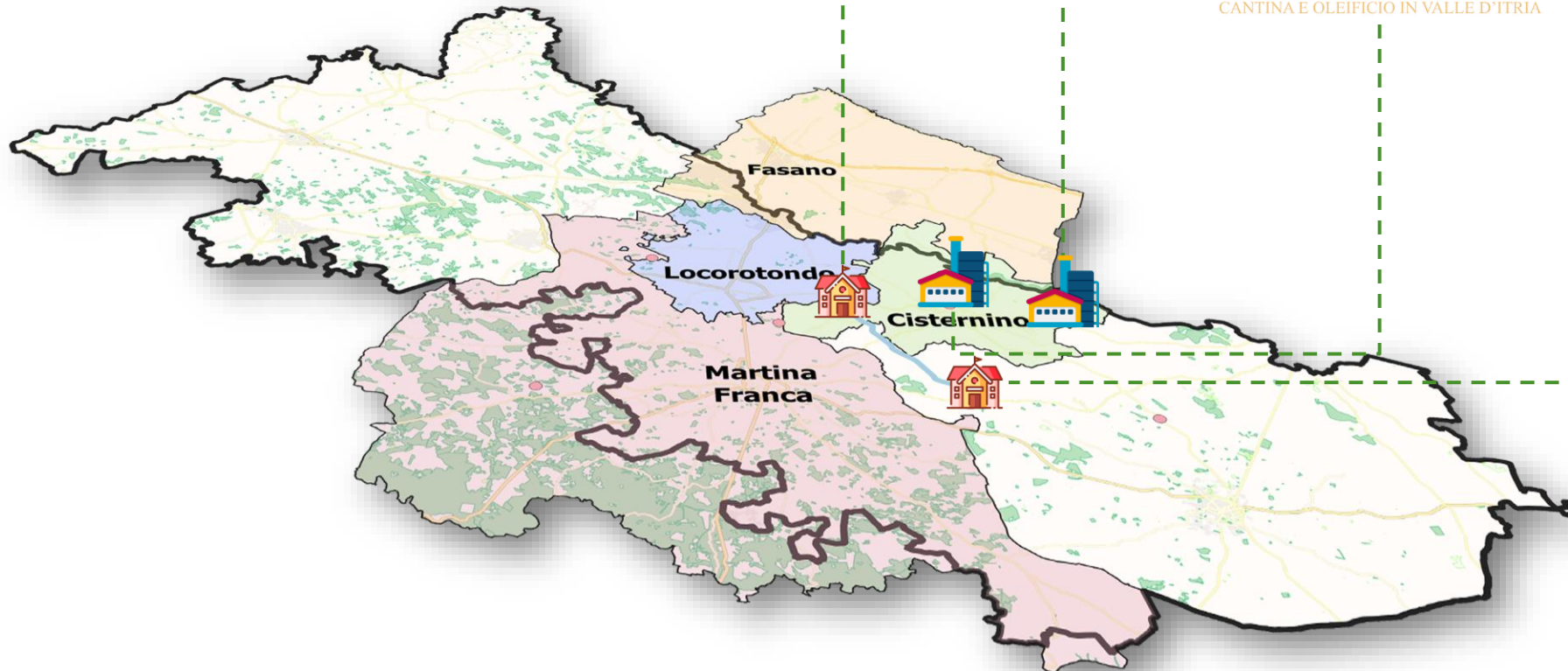
LOCAL ACTION GROUP

OLIVE OIL MILL

COOPERATIVES



CANTINA E OLEIFICIO IN VALLE D'ITRIA

INSTITUTIONS
TYPOLOGY



04

RANGE OF MFA PRACTICES AND MAIN ACTORS



Montemarcuccio Farm

Trulli Arco antico



Assets	Vineyard	Olive Orchard	Trullis, restaurant, pool and space for events	Field	Fruit trees (vineyard and cherry trees)	Experimental garden	Olive Orchard	Forest
Activities	Wine production	Olive oil production	Agro-tourism (renting trullis, hosting events)	Cereals production	Wine and Cherry production	Engaging in research	Olive oil production	Agro-tourism and hosting donkeys
Aspects of multifunctionality	<ul style="list-style-type: none"> • Food provisioning • Biodiversity preserving • Provisioning income • Soil health 		<ul style="list-style-type: none"> • Conservation of local heritage • Provisioning income • Food provisioning • Biodiversity preserving • Human-nature interaction • Enhancement of agricultural knowledge 					

Madonna Dell'Arco



Trullis, restaurant, pool space for events, kids play ground, mini birds zoo and a shop	Livestock barn	Field	Olive oil mill	Trullis for product exhibition	Trullis	Fields	Forest
Agro-tourism (renting trullis, hosting events)	Animal husbandry (meat and cheese production)	Producing forage	Olive oil production and processing	Selling products and organizing tours	Agro-tourism (hosting events)	Organic crop production	Agro-tourism
<ul style="list-style-type: none"> • Conservation of local heritage • Provisioning income • Food provisioning • Human-nature interaction 			<ul style="list-style-type: none"> • Provisioning of regionally produced food • Provisioning income • Human-nature interaction • Enhancement of agricultural knowledge 		<ul style="list-style-type: none"> • Conservation of local heritage • Provisioning income • Food provisioning • Biodiversity provisioning • Human-nature interaction 		

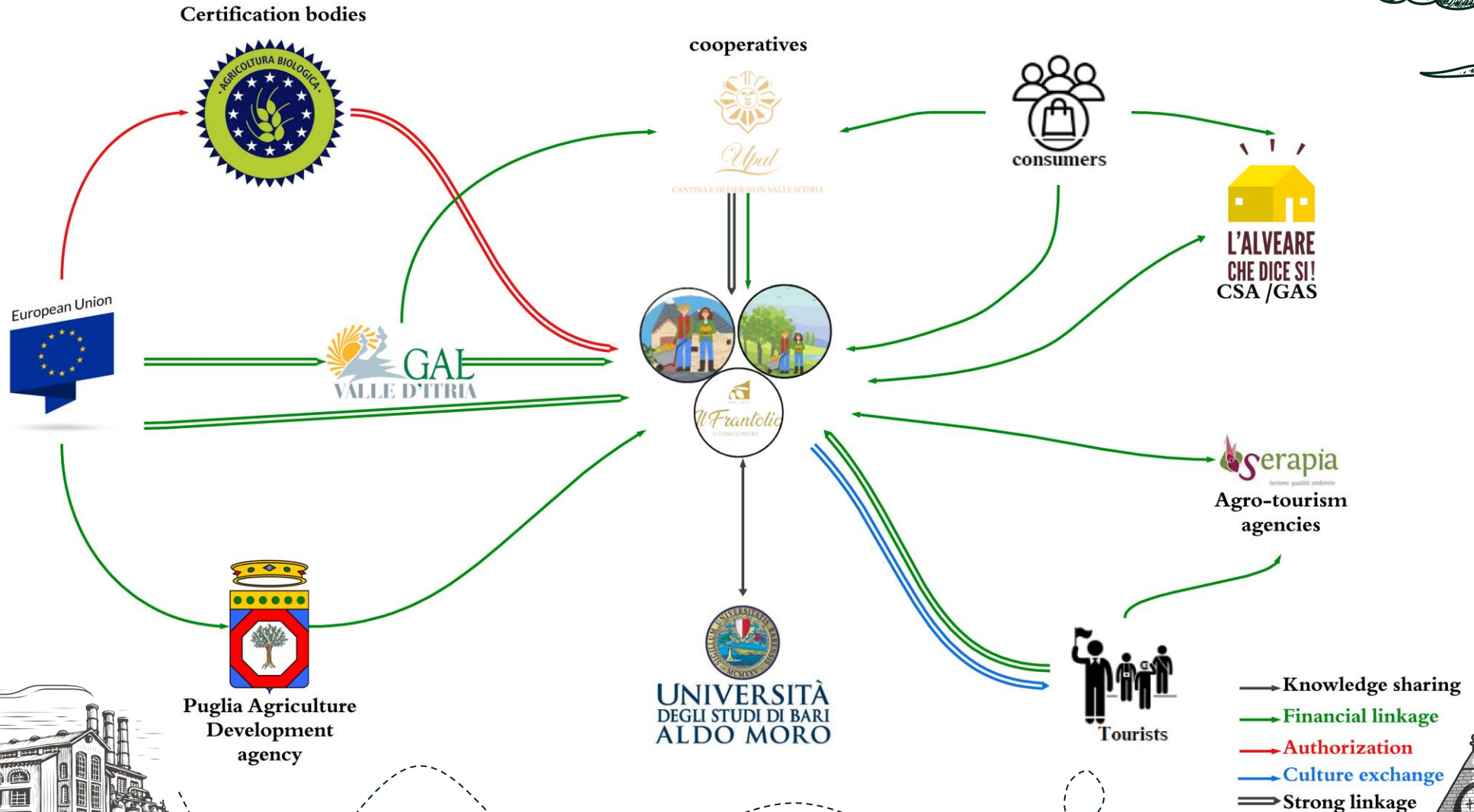
Frantolio D'Amico Pietro



La Casa degli Uccellini



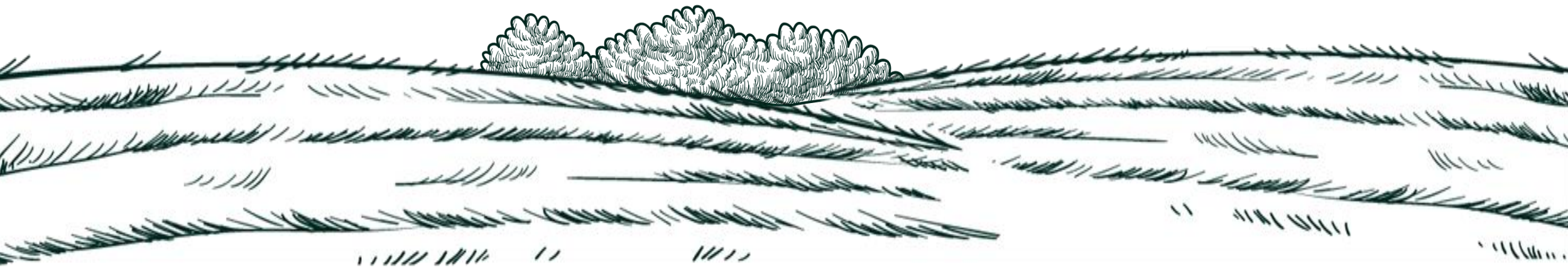
LINKAGE BETWEEN MFA ACTORS





05

THE EFFECTS OF MFA ON TERRITORIAL RESILIENCE



ENVIRONMENTAL BENEFITS OF MFA

- ✓ THE ABUNDANCE OF ORGANIC FARMING STRENGTHENS THE ECOSYSTEMS IN THE TERRITORY.
- ✓ CONSERVATION OF BIODIVERSITY
- ✓ IMPROVEMENT OF SOIL HEALTH.



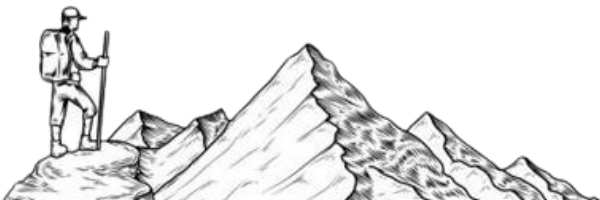
ECONOMIC BENEFITS OF MFA

- ✓ ACTIVITIES LIKE AGROTOURISM AND PRODUCTION OF DIVERSE AGRICULTURAL PRODUCTS PROVIDE ADDITIONAL INCOME SOURCES FOR FARMERS AND ALSO CONTRIBUTES TO THE OVERALL ECONOMIC STABILITY OF THE TERRITORY.
- ✓ DIVERSIFICATION REDUCES DEPENDENCE ON THE OFTEN-UNSTABLE PRICES OF TRADITIONAL CROPS.
- ✓ AGROTOURISM AND OTHER MFA ACTIVITIES CREATE NEW JOBS IN THE LOCAL ECONOMY.
- ✓ PROMOTION OF YOUTH ENGAGEMENT IN AGRICULTURE
- ✓ INCREASING THE INTEREST OF PEOPLE TO ENGAGE OR INVEST IN AGRICULTURE



SOCIAL AND CULTURAL BENEFITS OF MFA

- ✓ KNOWLEDGE SHARING IN DIDACTIC FARMS
- ✓ PROMOTE HUMAN AND NATURE INTERACTIONS
- ✓ PRESERVES TRADITIONAL AGRICULTURAL PRACTICES AND CULTURAL HERITAGE



SIDE EFFECTS

- ✓ OVERUSE OF RESOURCES LIKE WATER IN AGROTOURISM VENTURES
- ✓ WEAK NETWORKING BETWEEN FARMERS, WHICH CAN LEAD TO COMPETITION BETWEEN ACTORS
- ✓ ARABLE LANDS ARE OCCUPIED BY FOREIGNERS DUE TO THE AESTHETIC NATURE OF THE TERRITORY.
- ✓ MASSIVE COMING OF TOURISTS DURING OCCASIONS PUT STRESS ON SOME RESOURCES IN THE AREA.





CONCLUSION

- ✓ VALLE D'ITRIA'S PATH TOWARDS TERRITORIAL RESILIENCE IS PAVED WITH MULTIFUNCTIONAL AGRICULTURE (MFA) PRACTICES.
- ✓ FARMERS LIKELY IMPLEMENT A COMBINATION OF PRACTICES THAT RESPECT TRADITION, LIKE SUSTAINABLE VITICULTURE, WHILE EMBRACING DIVERSIFICATION THROUGH AGROTOURISM AND SPECIALTY CROPS.
- ✓ THIS APPROACH IS SUPPORTED BY A NETWORK OF ACTORS INCLUDING LOCAL COOPERATIVES, RESEARCH INSTITUTIONS, AND EVEN CONSUMERS.
- ✓ A TERRITORY THAT IS MORE ROBUST IN TERMS OF THE ECOLOGY, ECONOMY, SOCIETY, AND CULTURE IS THE END RESULT. THIS CREATES A LANDSCAPE NOT ONLY BEAUTIFUL BUT ALSO ADAPTABLE, POISED TO THRIVE IN THE FACE OF CHALLENGES.

RECOMMENDATIONS

- ✓ TO MAXIMIZE THE IMPACT OF MFA, TARGETED SUPPORT TAILORED TO VALLE D'ITRIA'S NEEDS IS ESSENTIAL. COLLABORATION BETWEEN LOCAL ACTORS, RESEARCH INSTITUTIONS, AND NGOS CAN LEAD TO BEST PRACTICE DEVELOPMENT AND KNOWLEDGE SHARING.
- ✓ ADDITIONALLY, INITIATIVES TO CONNECT FARMERS WITH RELIABLE MARKETS FOR THEIR DIVERSIFIED PRODUCTS AND CONSUMER AWARENESS CAMPAIGNS PROMOTING THE BENEFITS OF MFA CAN SOLIDIFY THE ECONOMIC FEASIBILITY AND SOCIAL ACCEPTANCE OF THIS TRANSFORMATIVE APPROACH.
- ✓ BY IMPLEMENTING THESE RECOMMENDATIONS, VALLE D'ITRIA CAN BECOME A MODEL FOR SUSTAINABLE DEVELOPMENT, INSPIRING OTHER TERRITORIES TO EMBRACE MFA AND BUILD RESILIENCE FOR A PROSPEROUS FUTURE.

TAKE-HOME MESSAGES

- ✓ OLIVE GROVES, SUSTAINABLE PRODUCTION METHODS, AND AGROTOURISM SHOWCASE THE RANGE OF MFA PRACTICES IN THE REGION.
- ✓ MFA PROMOTES BIODIVERSITY, IMPROVING SOIL HEALTH, CREATING A LANDSCAPE BETTER EQUIPPED TO HANDLE ENVIRONMENTAL CHALLENGES.
- ✓ DIVERSIFICATION THROUGH AGROTOURISM AND VARIOUS AGRICULTURAL OUTPUTS REDUCES DEPENDENCE ON UNSTABLE MARKETS AND STRENGTHENS THE TERRITORY'S ECONOMIC BASE.
- ✓ MFA ENCOURAGES COMMUNITY COOPERATION AND PRESERVES TRADITIONAL PRACTICES, DEVELOPING A STRONG SENSE OF PLACE AND A MORE RESILIENT SOCIAL NETWORK.



THANK YOU
FOR YOUR ATTENTION !

