



UNIONE EUROPEA
Fondo Europeo di Sviluppo Regionale



Mitigazione dei rischi naturali per la sicurezza e la mobilità nelle aree montane del Mezzogiorno

Scuola di Ingegneria – Università degli Studi della Basilicata

*I contributi dell'Università della Basilicata al Progetto MITIGO
Riflessione sui risultati e proposte di attività future*

Analisi delle tendenze demografiche e socio-economiche nella Regione Basilicata.

Prof. Beniamino Murgante (Responsabile Scientifico dell'OR8), Prof. Francesco Scorza, Dott. Rosa Maria Piro, Ing. Alfonso Annunziata, Dott. Valentina Santarsiero, Ing. Luigi Santopietro, Ing. Rossella Scorzelli, Dott. Shiva Rahmani, Ing. Simone Corrado, Arch. Priscilla Sofia Dastoli, Arch. Rachele Vanessa Gatto,

27 Febbraio 2024

Perifericità

Dinamica demografica

Servizi di Trasporto

Resilienza

Partecipazione

Strategia Nazionale Aree Interne

Capitale Locale

Aree Interne

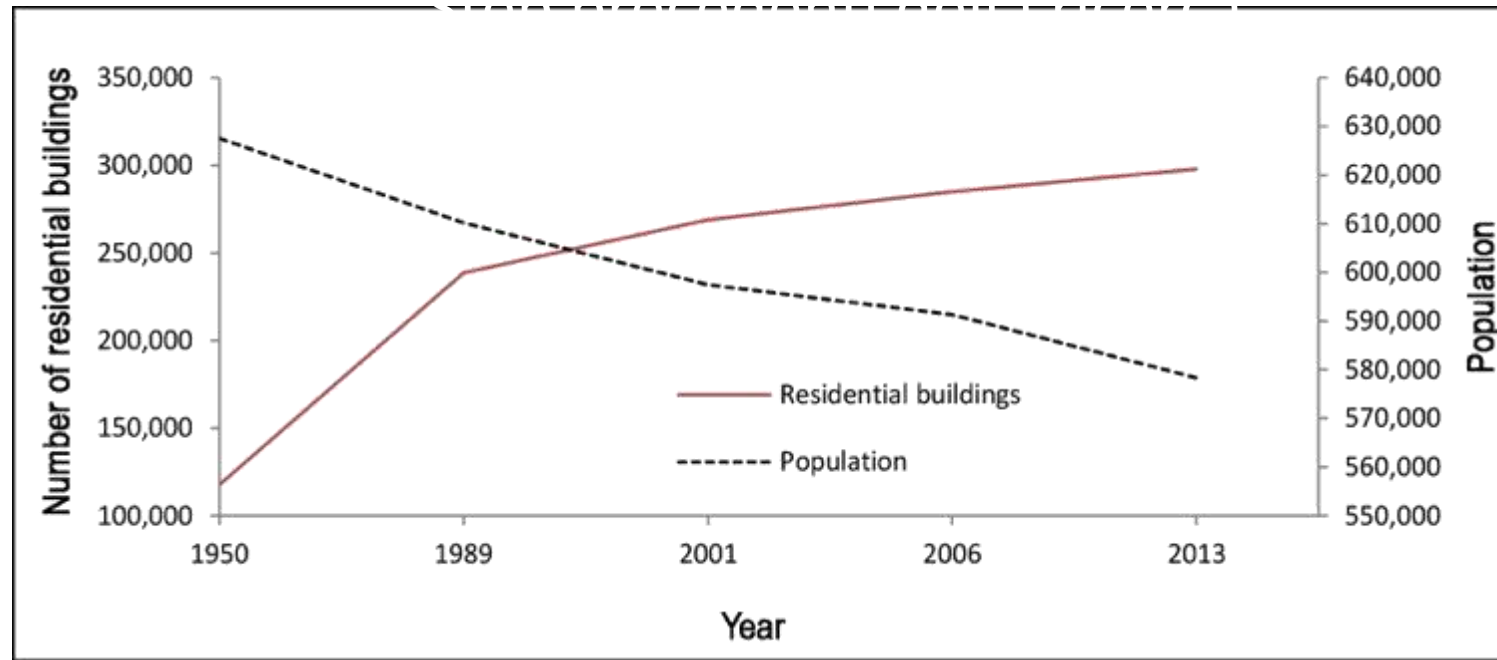
Mitigo

Spopolamento

Servizi di Istruzione

Rough set

Servizi sanitari



Year	Population (No.)	Residential Buildings [B_R] (n)	D_p (Inhabitants/ha)	D_b (B_R /ha)
1950	627,586	117,687	0.63	0.12
1989	610,186	238,603	0.61	0.24
1998	597,468	269,019	0.60	0.27
2006	591,338	285,072	0.59	0.28
2013	578,391	297,810	0.58	0.30
2018	562,869	302,010	0.56	0.30

0,19

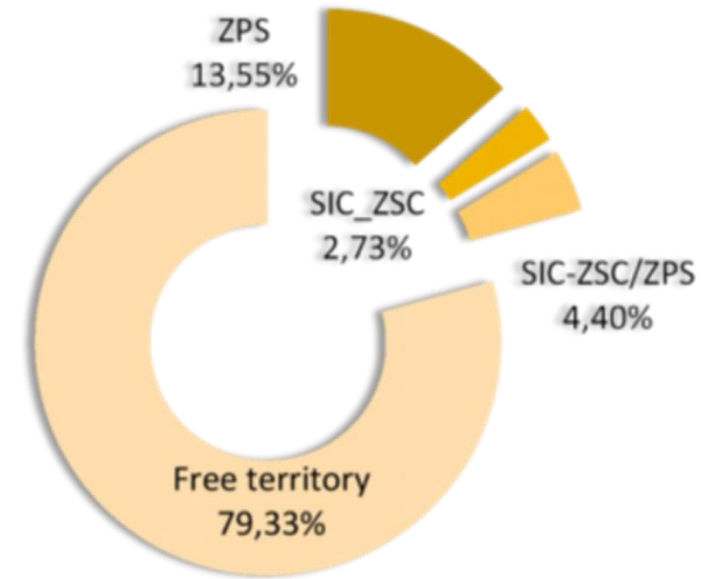
B_R /inhabitant

0,54

B_R /inhabitant

Residential buildings in NATURA 2000 sites

EUAP: national park of *Pollino_Basilicata* region (Italy)



Site	Denomination	Bio-geographic region	Updating	Surface [ha]	SCI-SAC	SPA	Municipality	N° of residential buildings [2013]
C	Gravine di Matera	Mediterranea	2012	6968,49	ZSC	ZPS	Matera - Montescaglioso	843
B	Serra di Calvello	Mediterranea	2012	1641,35	ZSC		Calvello - Marsico Nuovo	17
C	Valle del Tuorno - Bosco Luceto	Mediterranea	2010	75,35	ZSC	ZPS	Savoia di Lucania	0
B	Abetina di Laurenzana	Mediterranea	2012	324,39	ZSC		Laurenzana	1

Residential buildings in hydro-geological risk areas

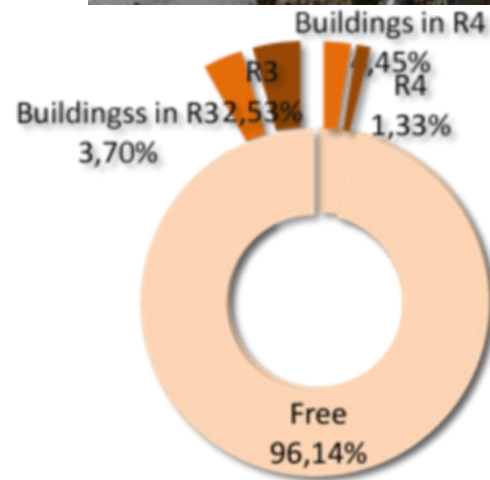


R3: HIGH RISK

dangers for the safety of persons, functional damage to buildings and infrastructures and significant damage to the environmental heritage

R4: VERY HIGH RISK

loss of life and serious injury to people, serious damage to buildings, infrastructure and environmental heritage, destruction of socio-economic activities.



Years	Residential buildings (total) (n)	Residential buildings in R3 (n)	Residential buildings in R4 (n)	Residential buildings in R3+R4 (n)	Residential buildings in R3+R4 (%)
2006	285.072	10.816	13.079	23.895	8,38
2013	297.810	11.012	13.266	24.278	8,15 (+1,60%)

Selezione Area di Studio

Regione Basilicata

Individuazione categorie Comuni

R1= $POPR > 50000$
R2= $10000 < POPR < 50000$
R3= $5000 < POPR < 10000$
R4= $2000 < POPR < 5000$
R5= $1000 < POPR < 2000$

Definizione Indicatori Set B di Condizioni

Indicatori Demografici

Indicatori Socio-Economici

Indicatori Copertura dei Servizi

Analisi di autocorrelazione spaziale (Local Moran)

Descrive la relazione tra il valore di una variabile in un luogo ed il suo valore in ambiti contigui

Clustering

Identificazione di Cluster di Comuni con simili condizioni di ordine socio-economico

Quotazioni medie degli edifici ad uso residenziale - 2021

LEGENDA

• CENTROIDI

QUOTAZIONI EDIFICI AD USO RESIDENZIALE €/MQ

400 - 456

456 - 516

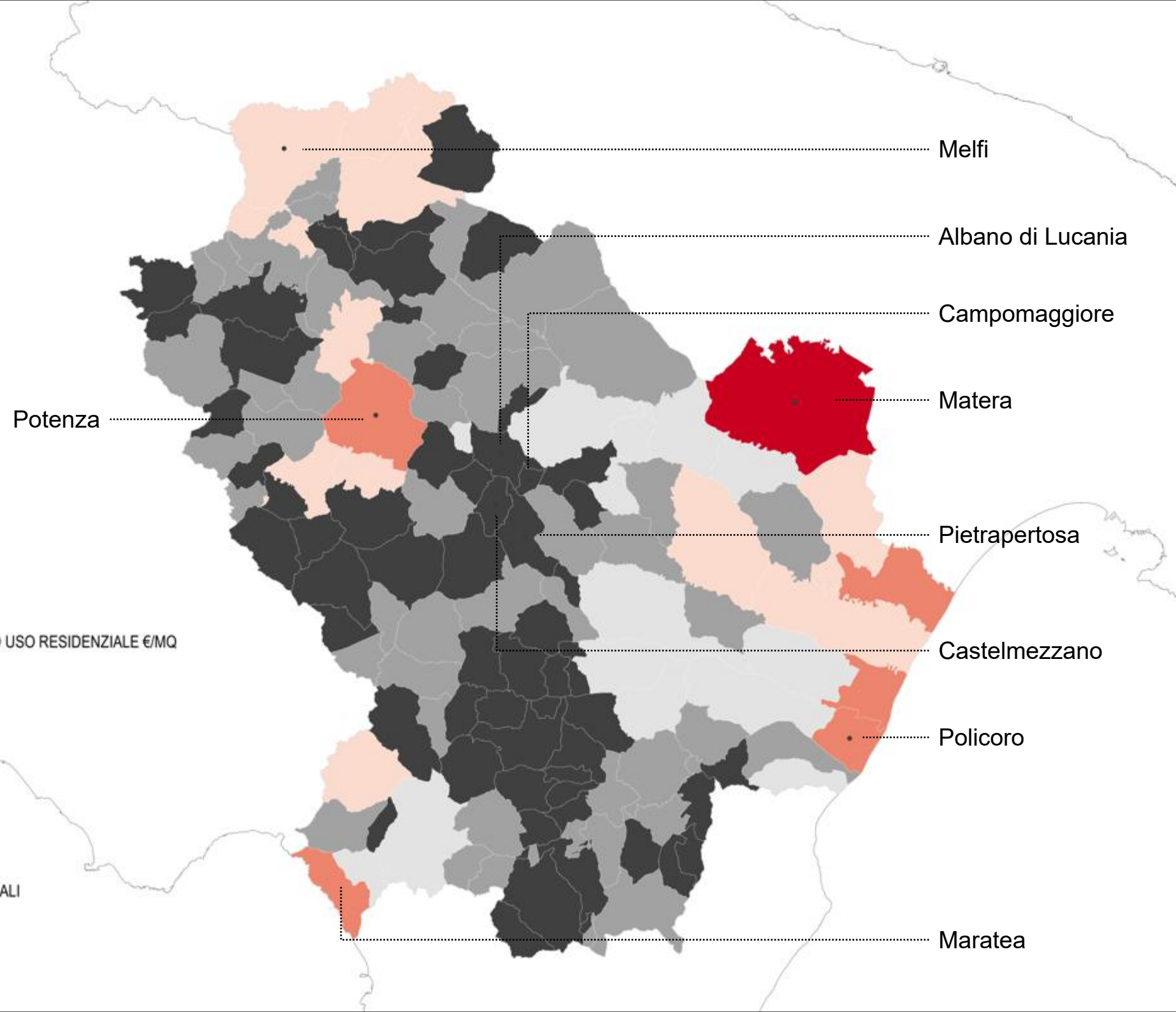
516 - 624

624 - 787

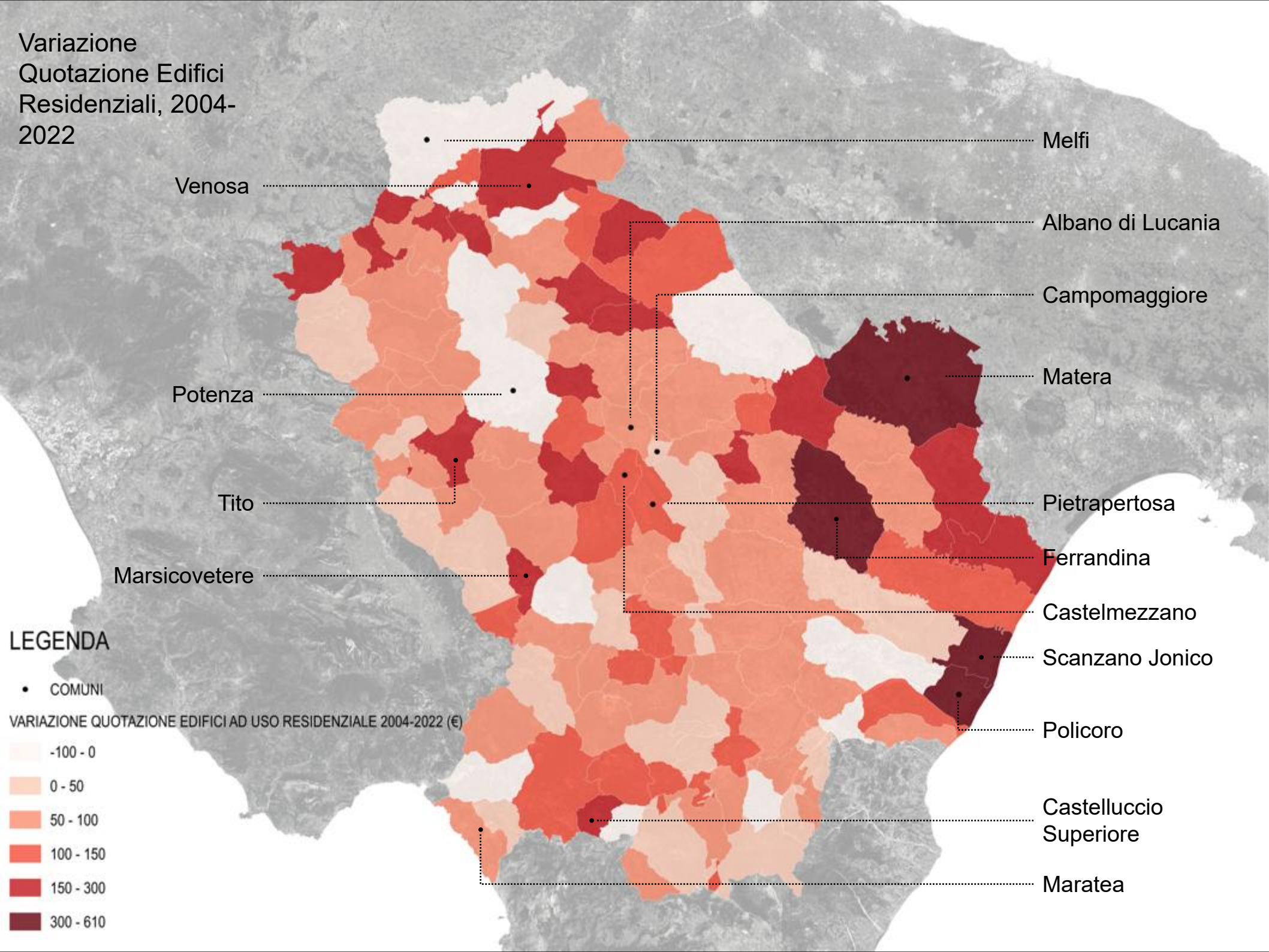
787 - 1122

1122 - 1596

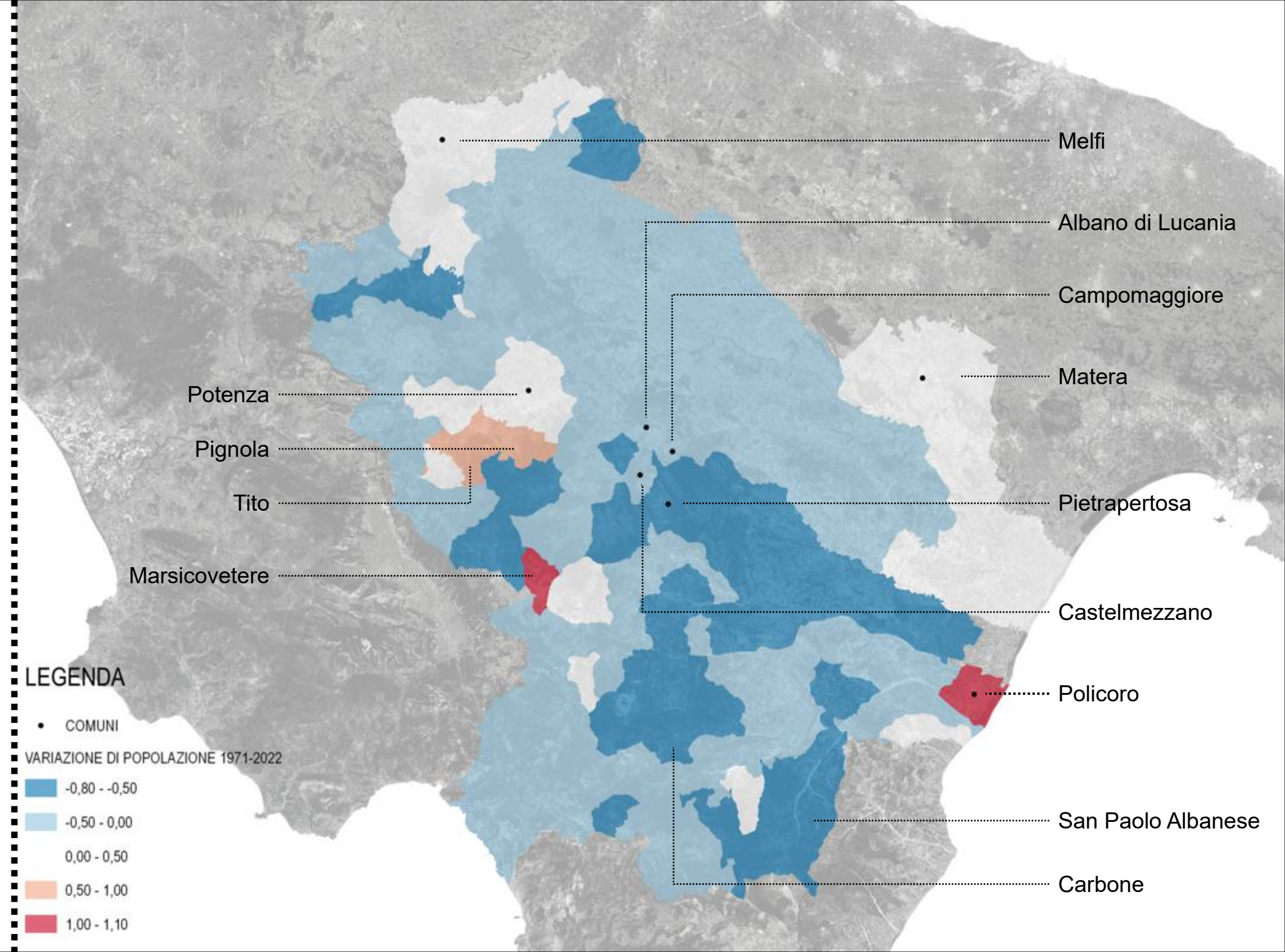
CONFINI REGIONALI



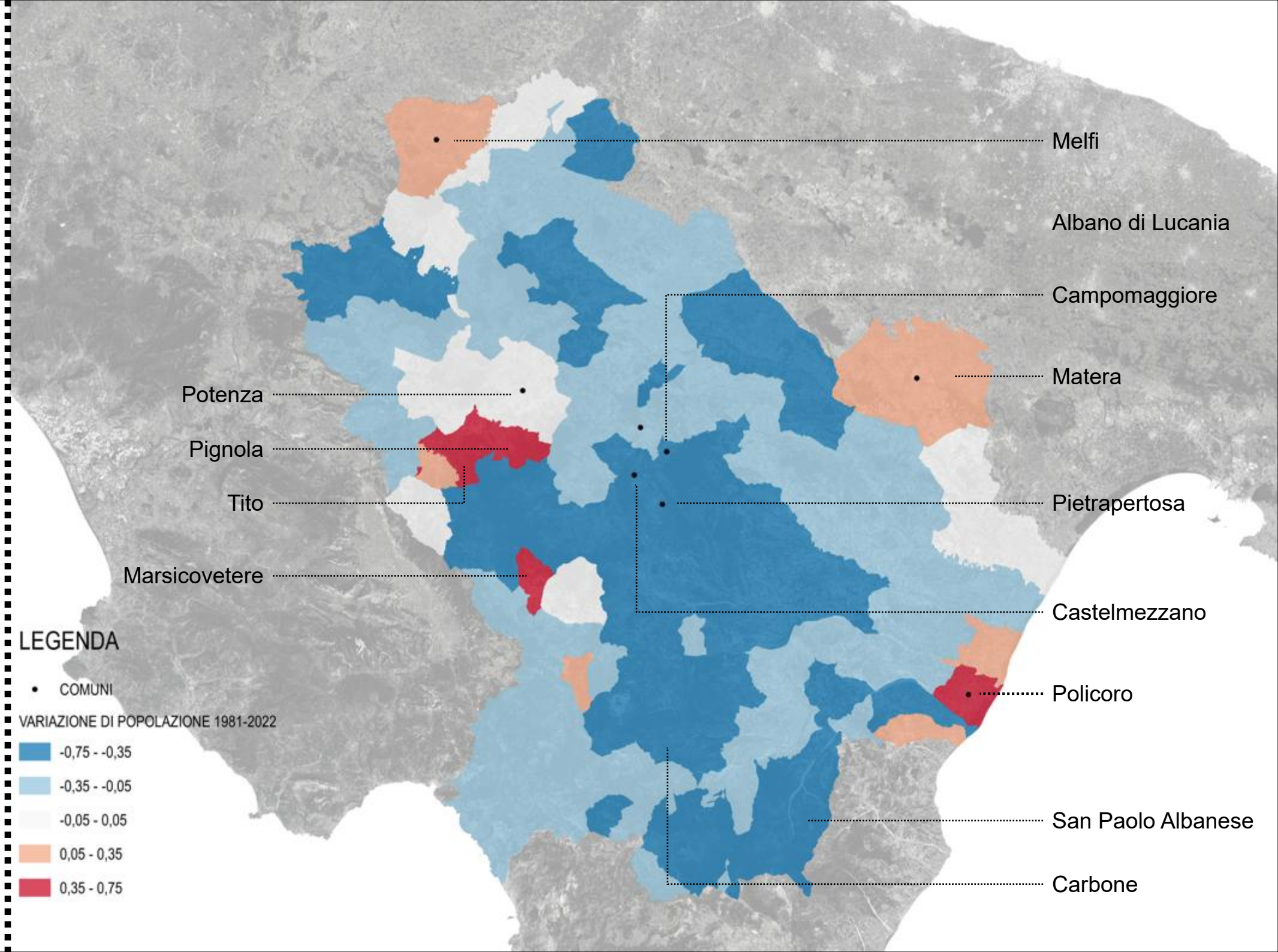
Variation
Quotazione Edifici
Residenziali, 2004-
2022



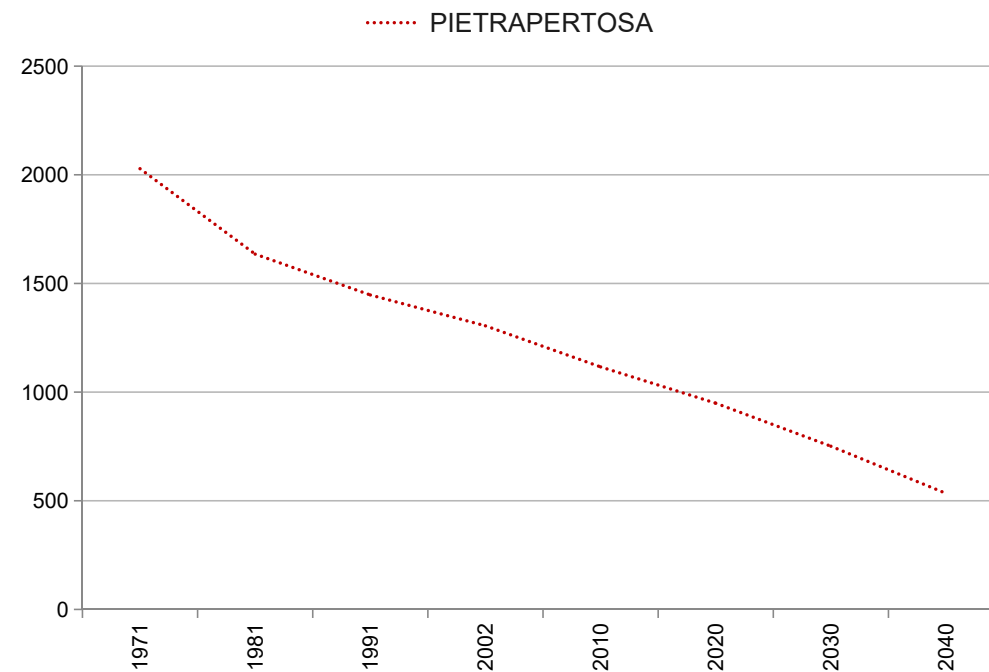
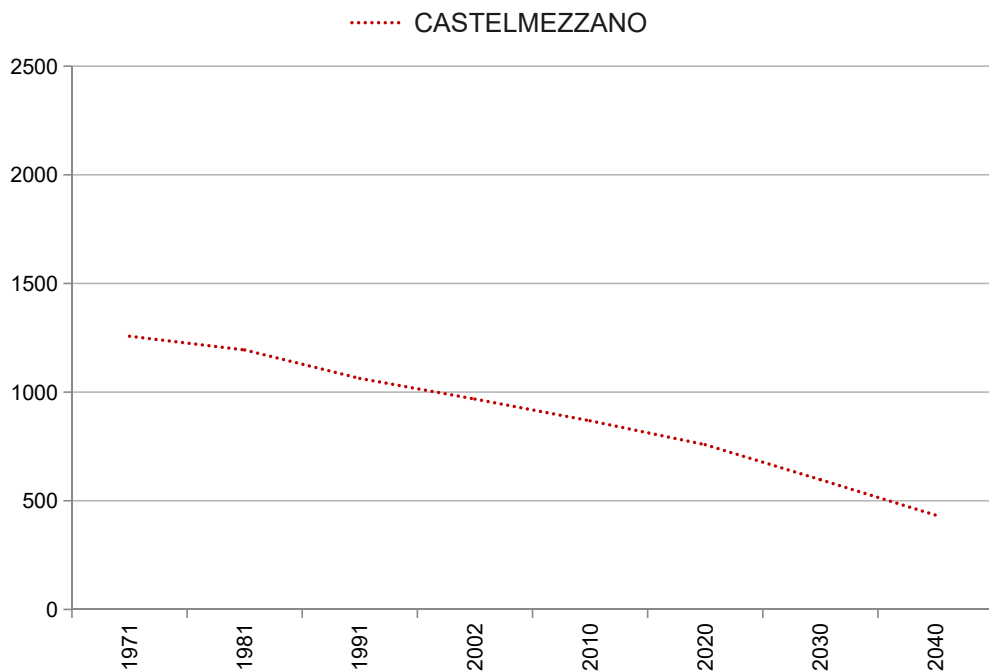
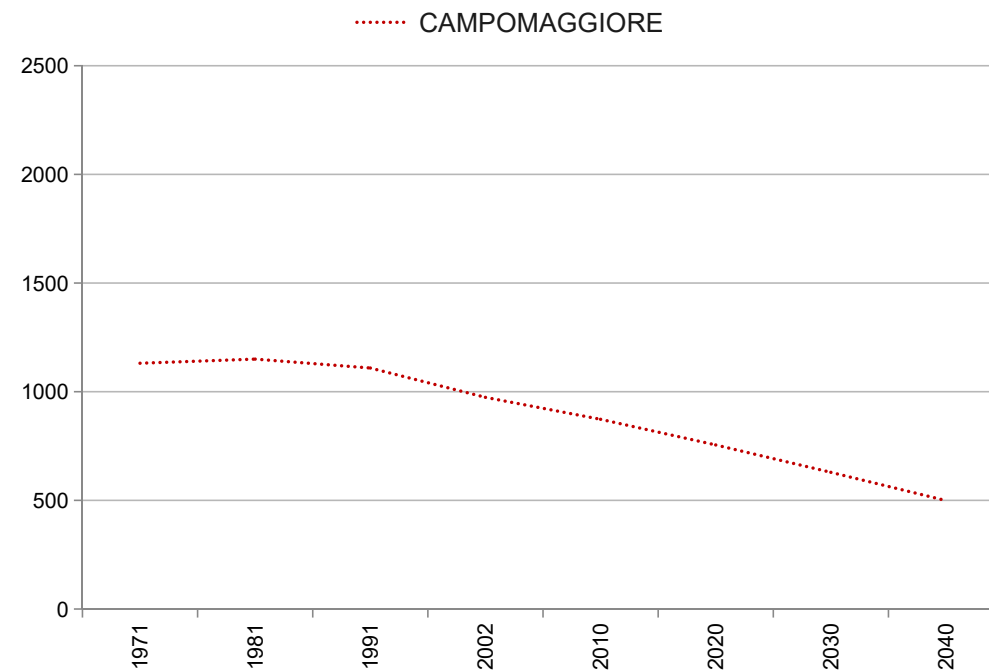
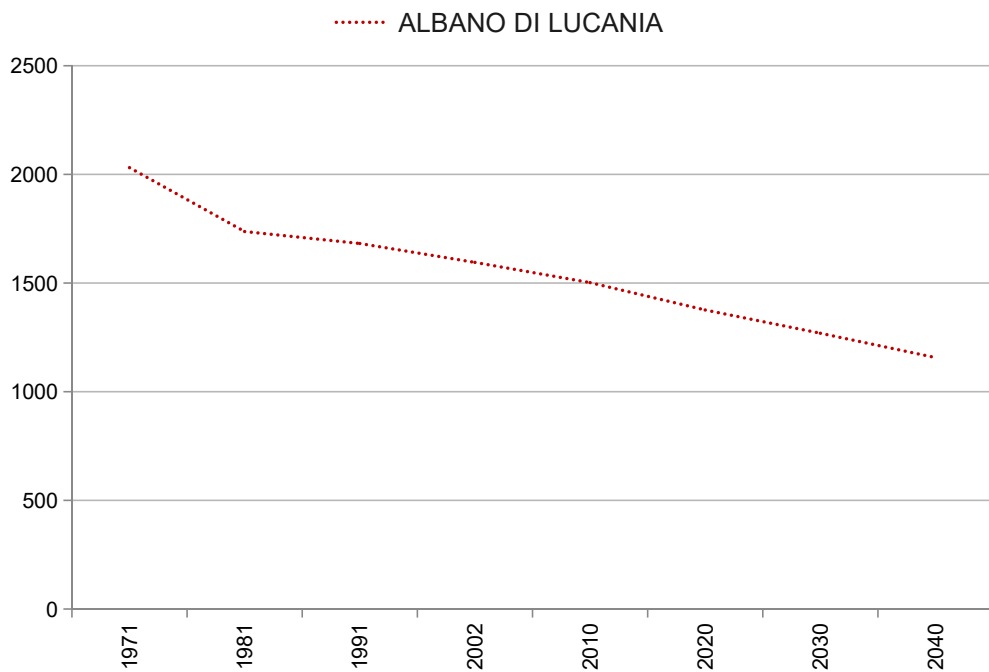
Variazione Popolazione Residente 1971-2022



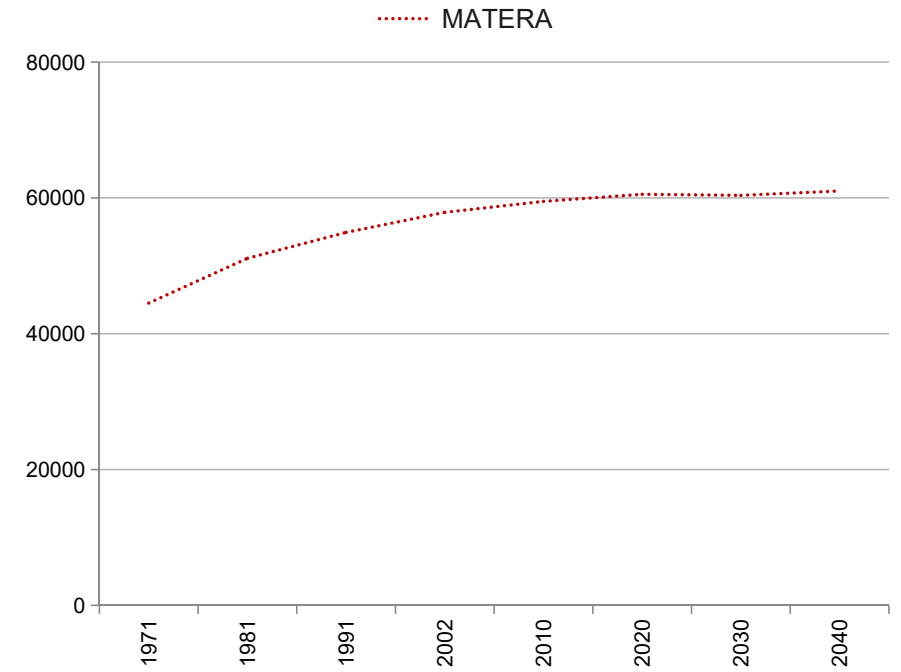
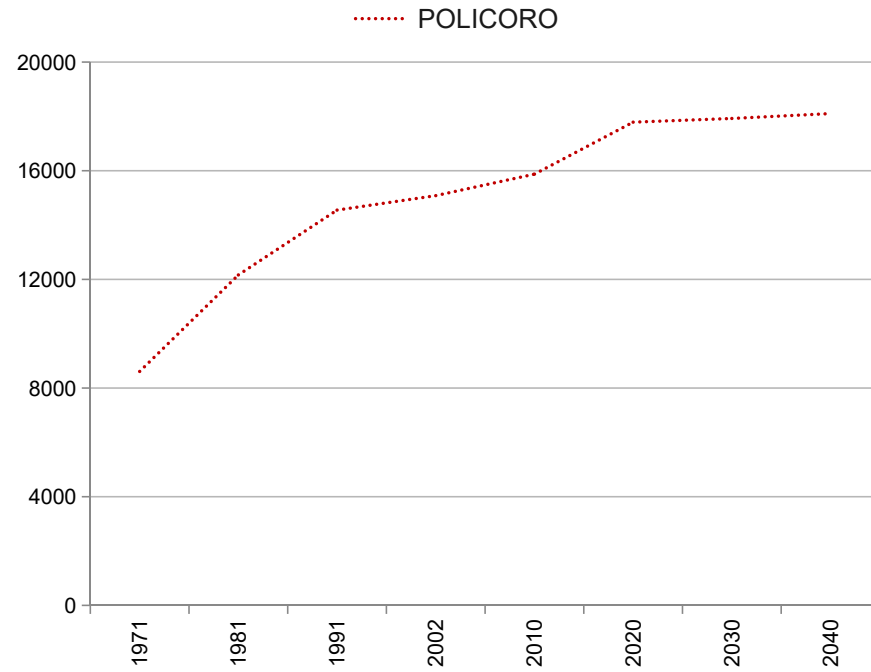
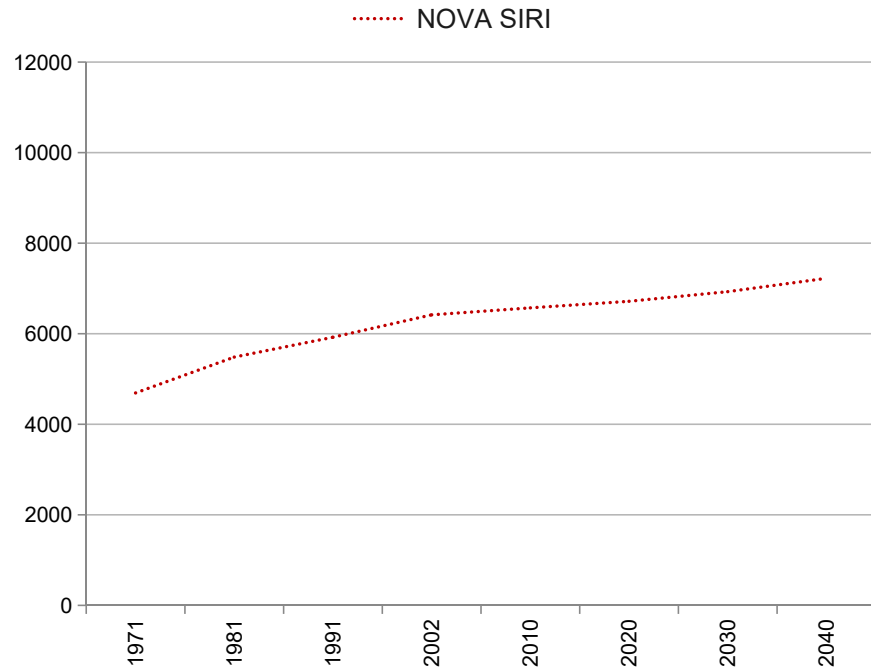
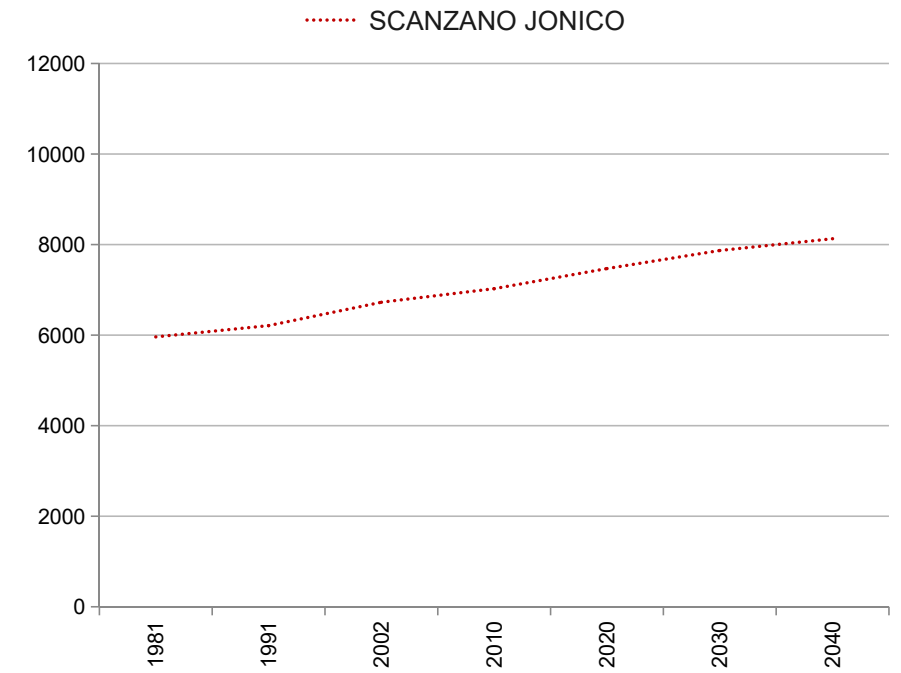
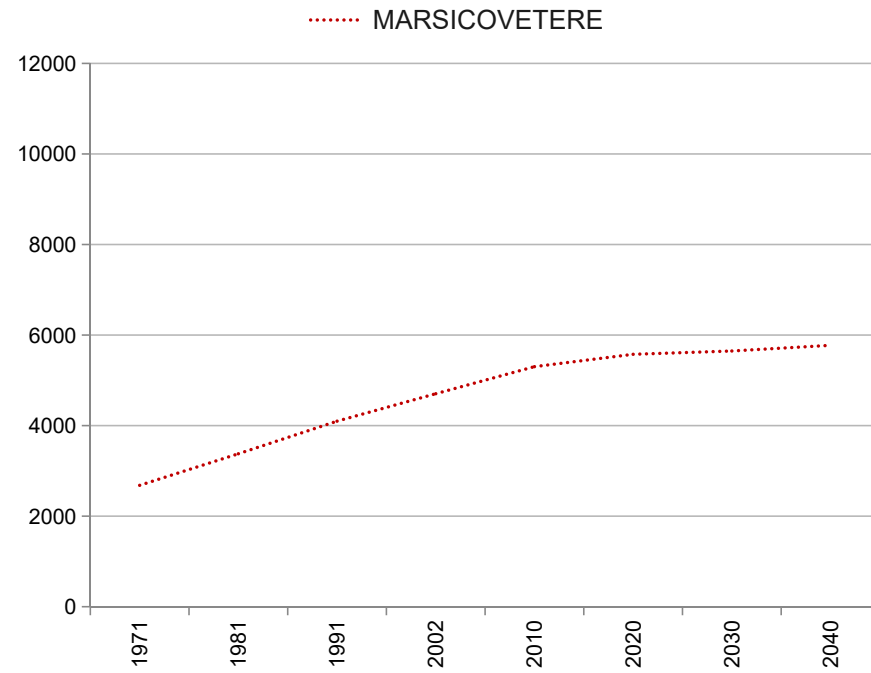
Variazione Popolazione Residente 1981-2022



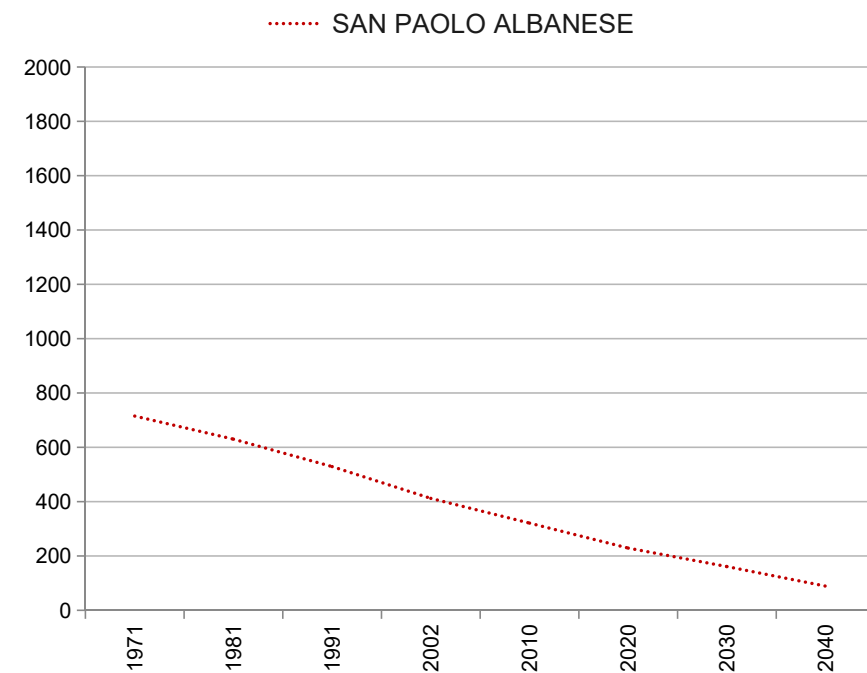
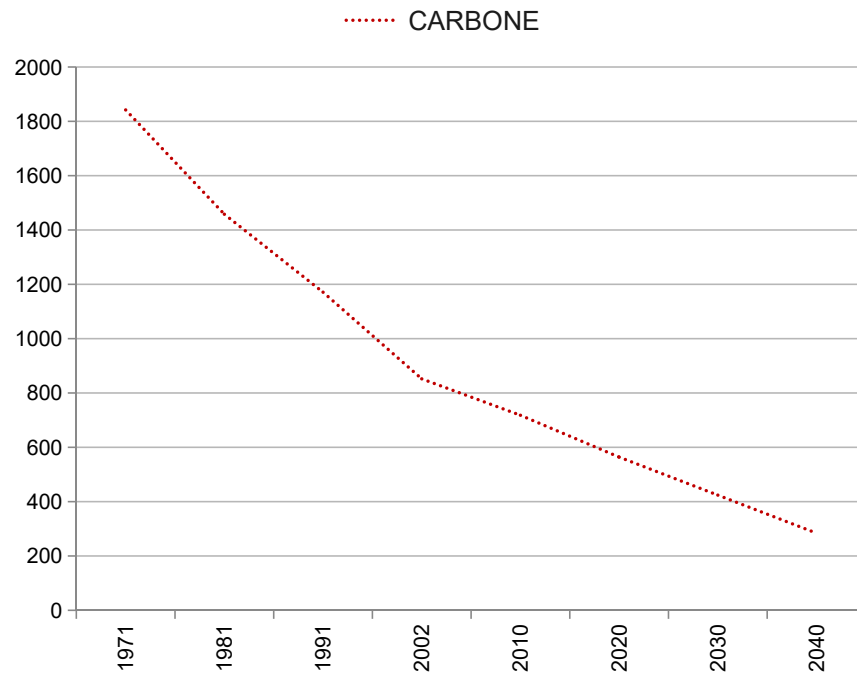
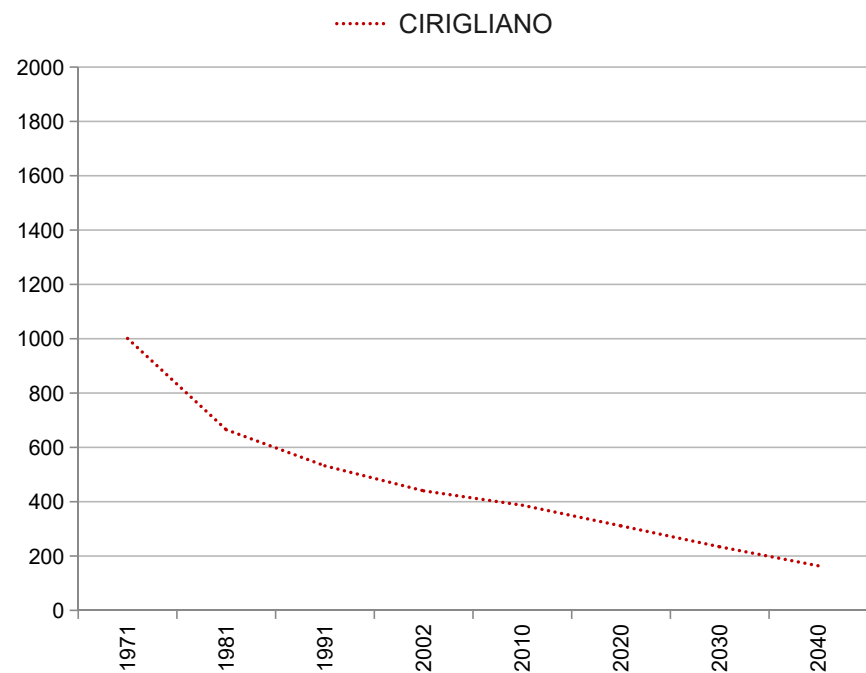
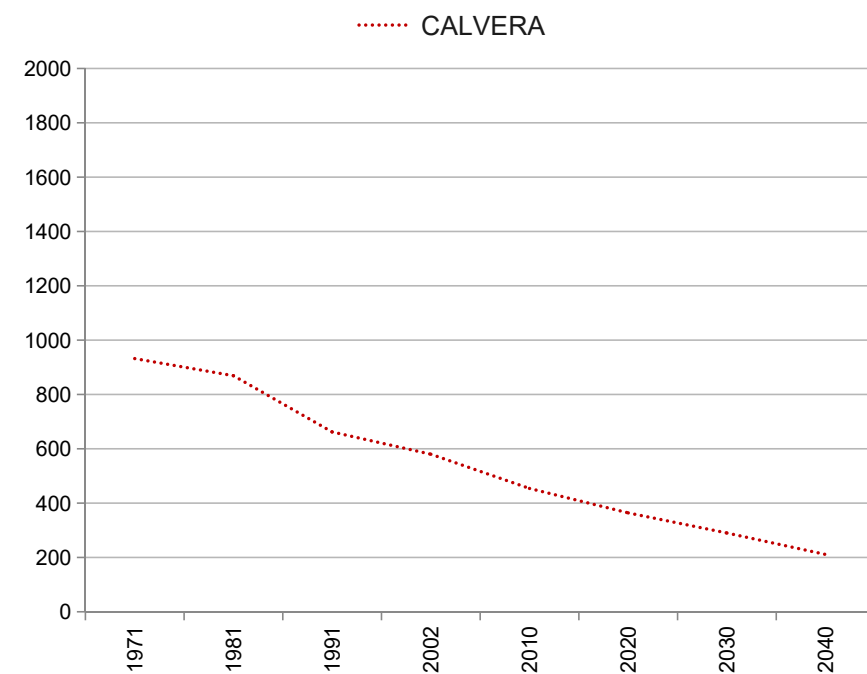
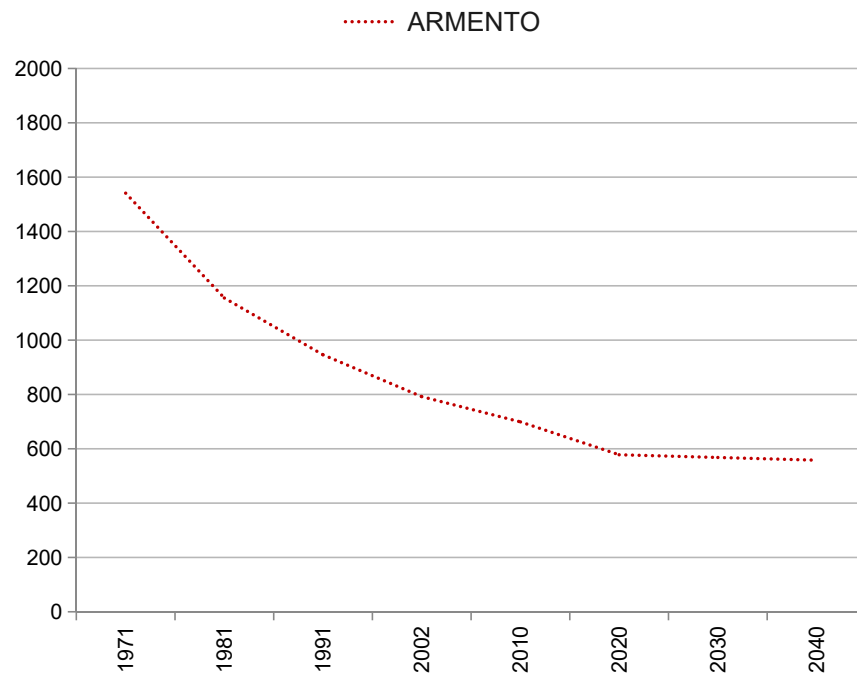
Proiezione dei fenomeni demografici



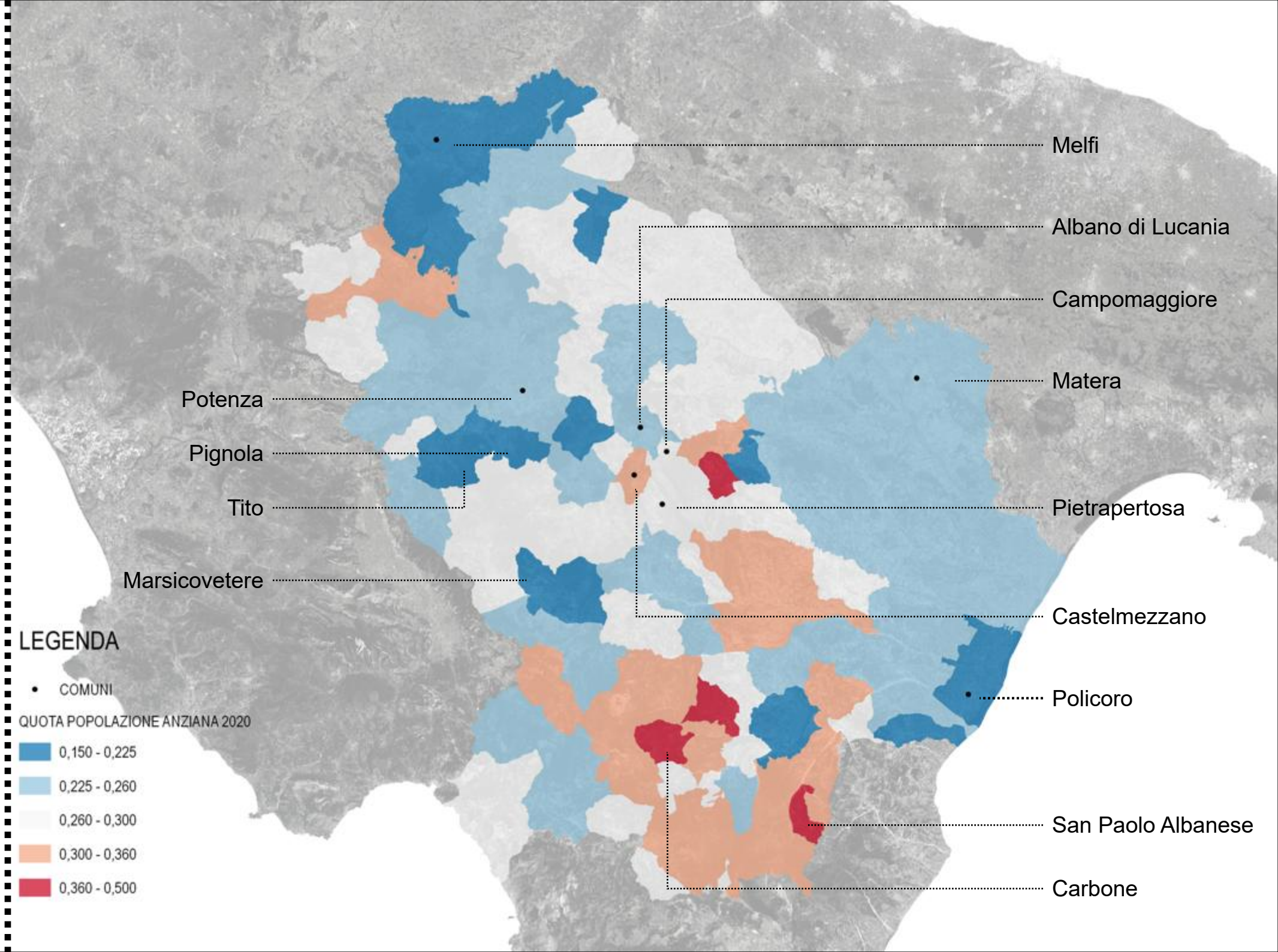
Proiezione dei fenomeni demografici



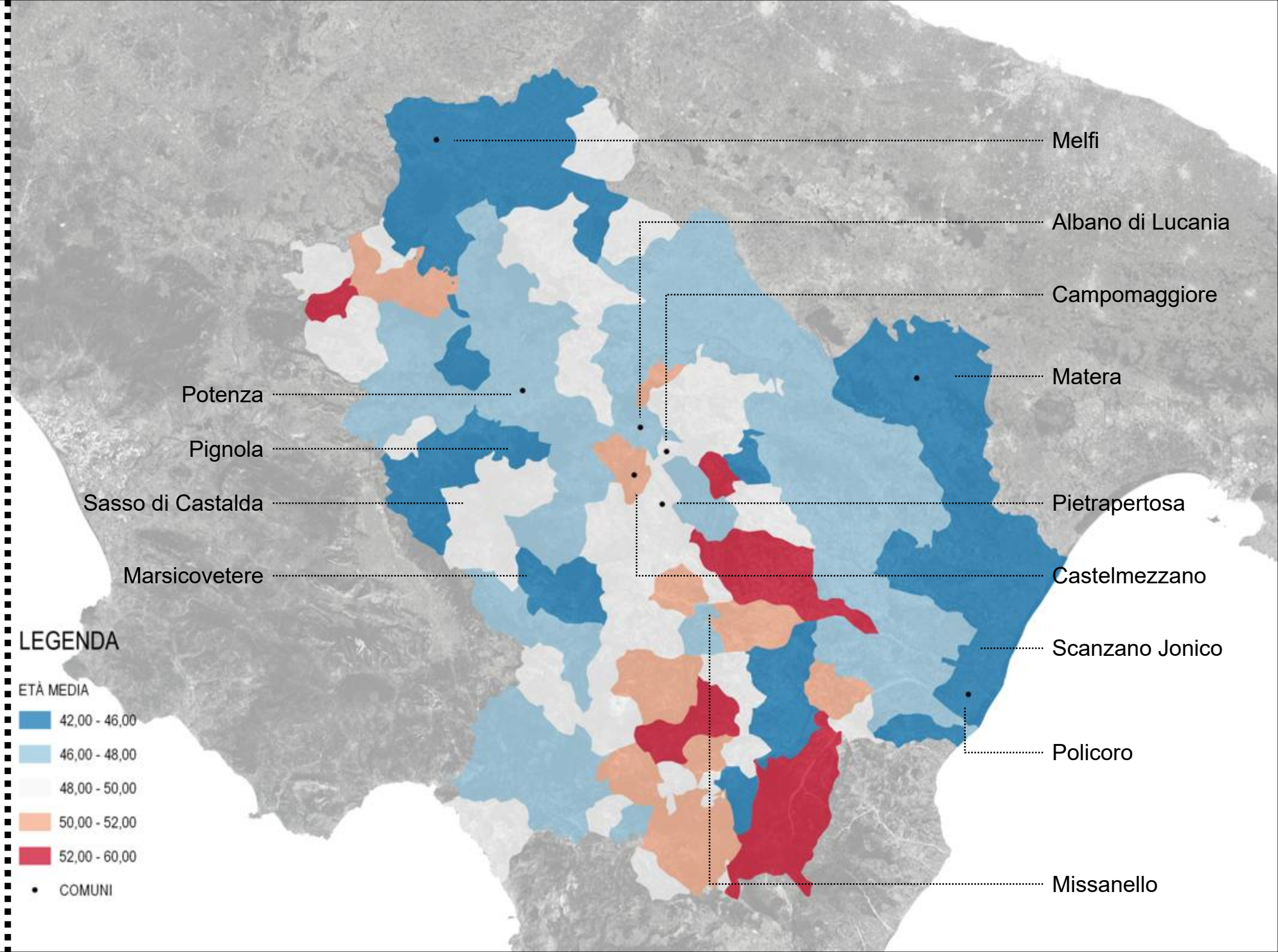
Proiezione dei fenomeni demografici



Percentuale della popolazione anziana

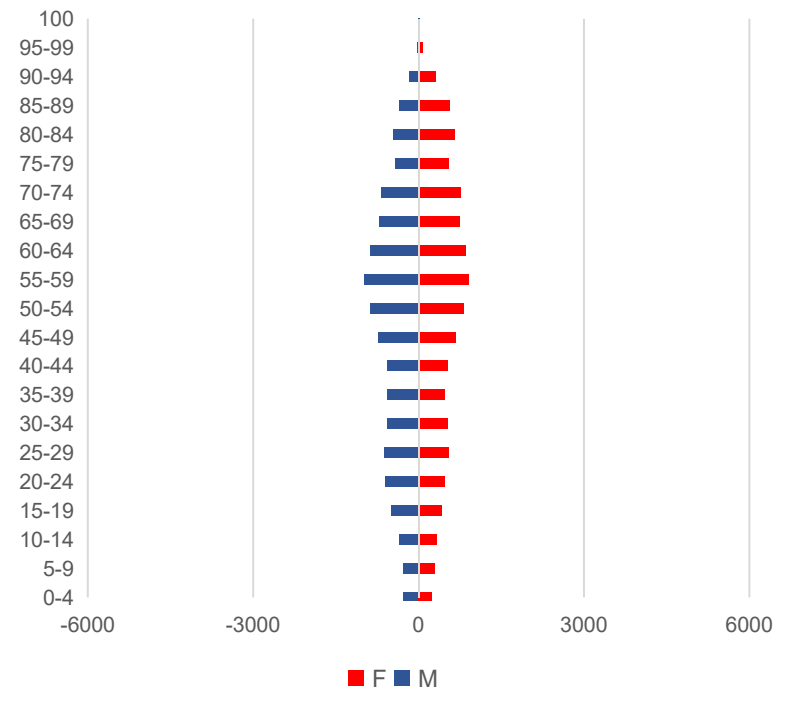


Età media - 2022

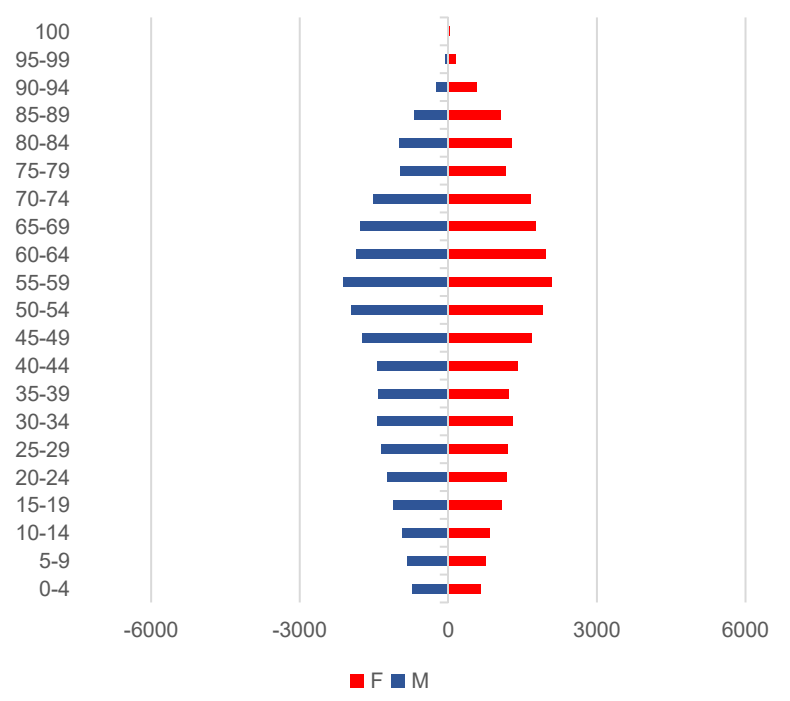


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 R2= 10000 < POPR < 50000
 R3= 5000 < POPR < 10000
 R4= 2000 < POPR < 5000
 R5= 1000 < POPR < 2000

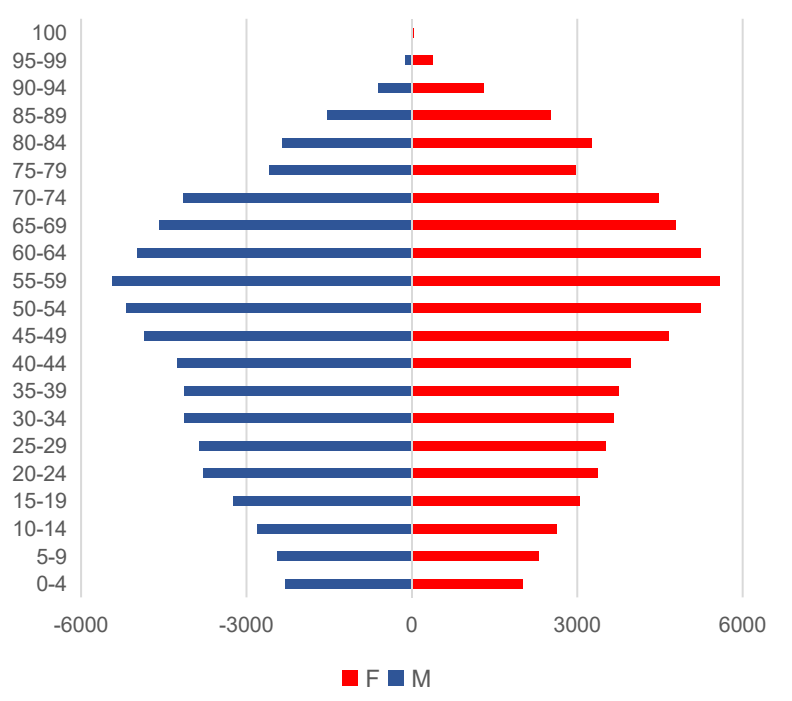
Categoria 6



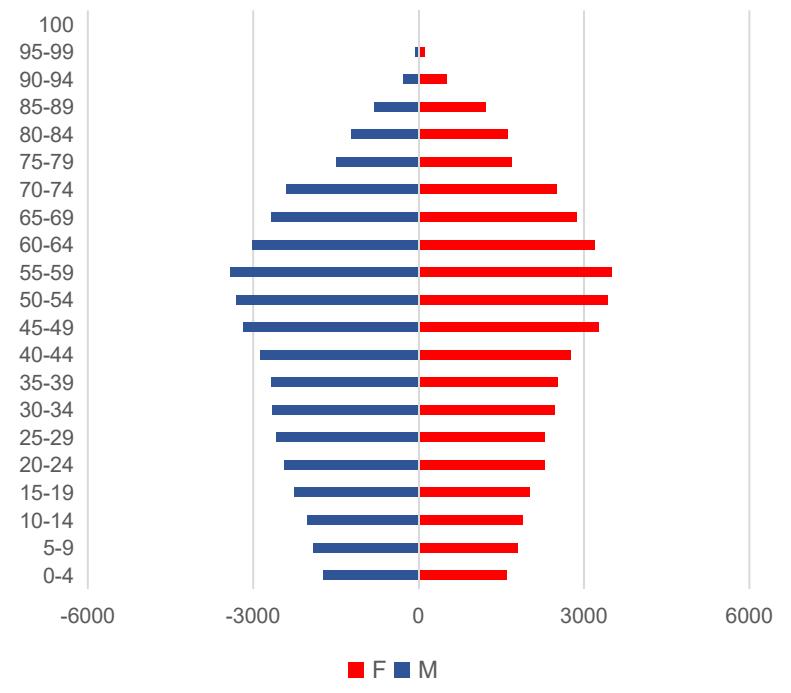
Categoria 5



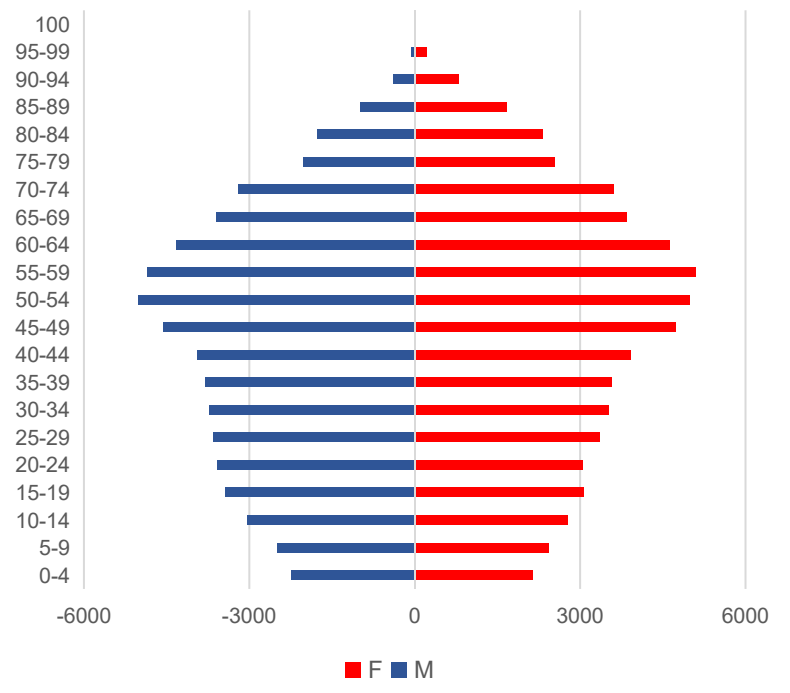
Categoria 4



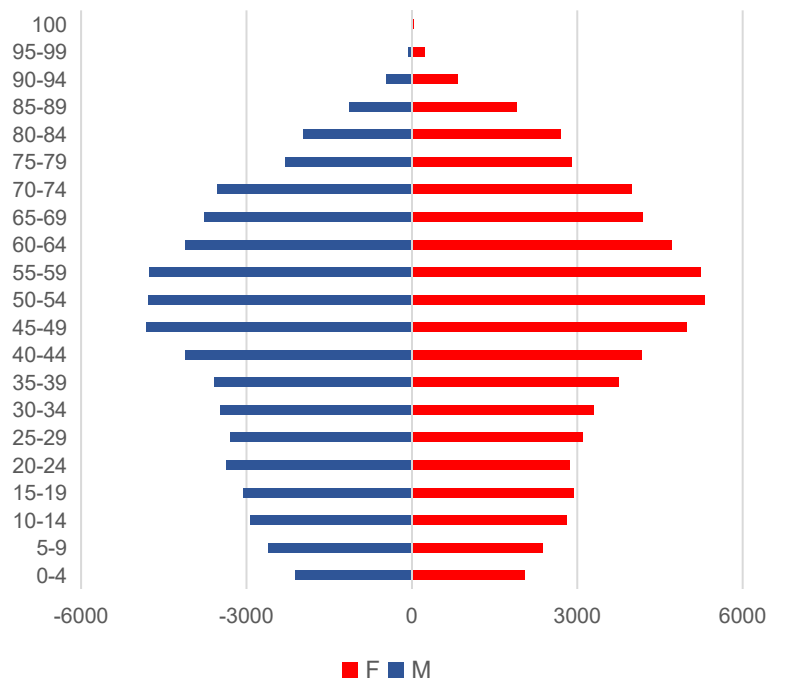
Categoria 3



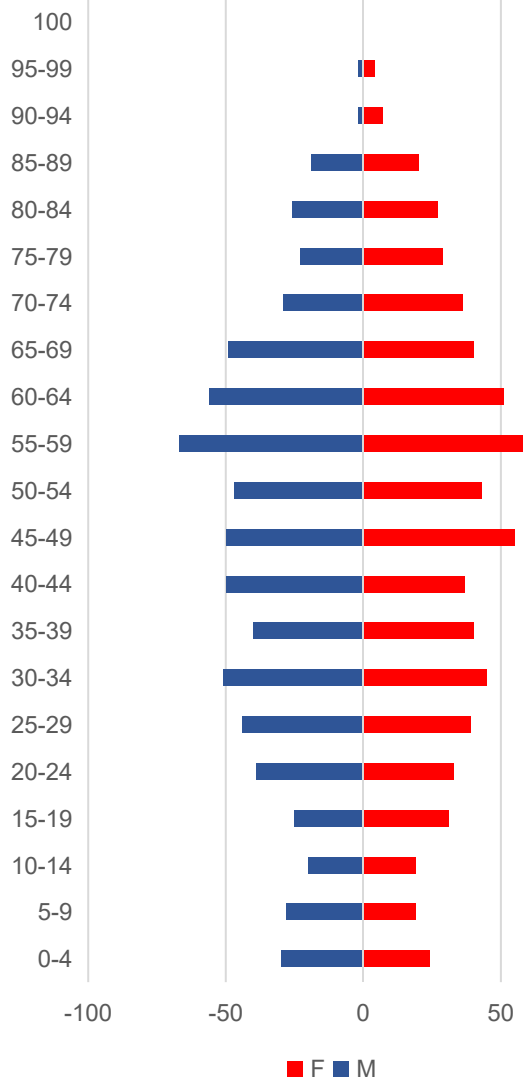
Categoria 2



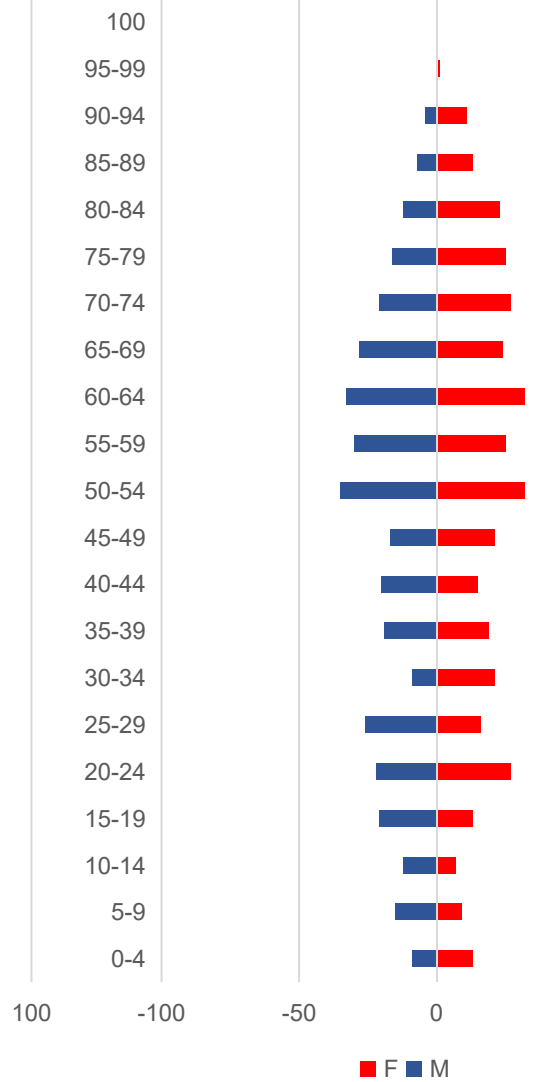
Categoria 1



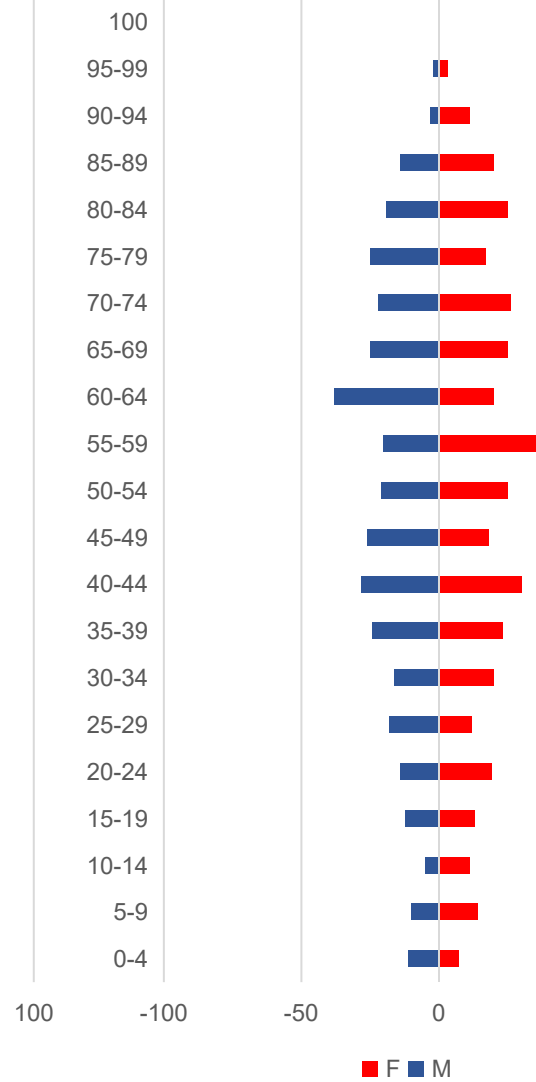
Albano di Lucania



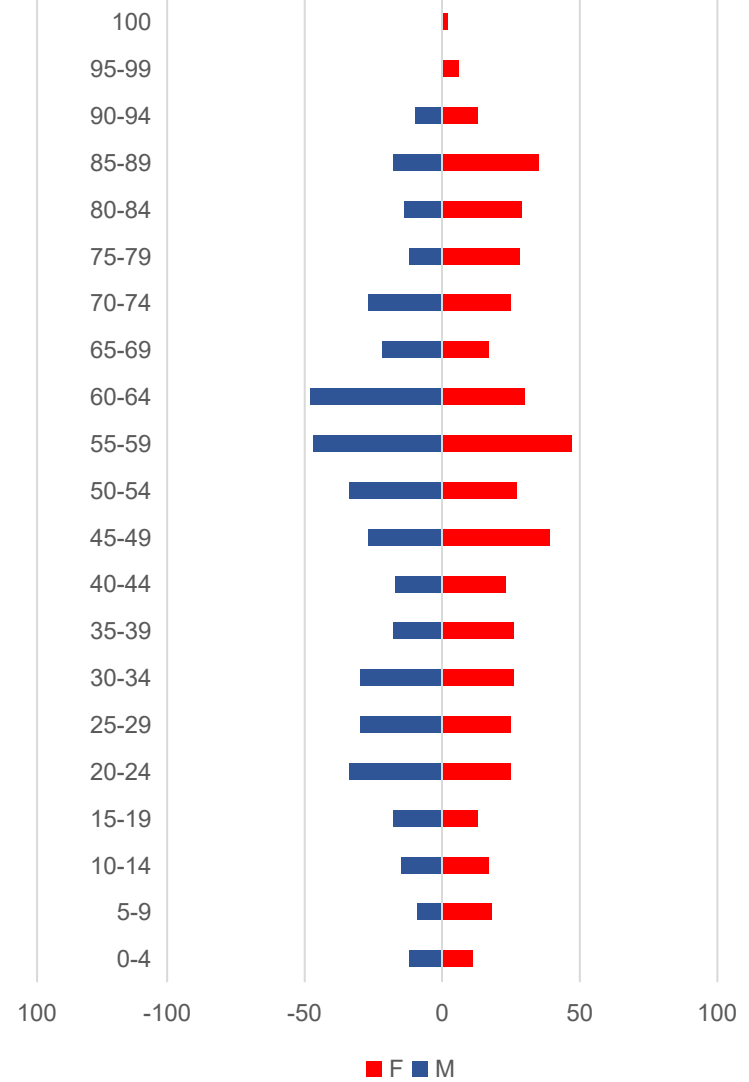
Campomaggiore



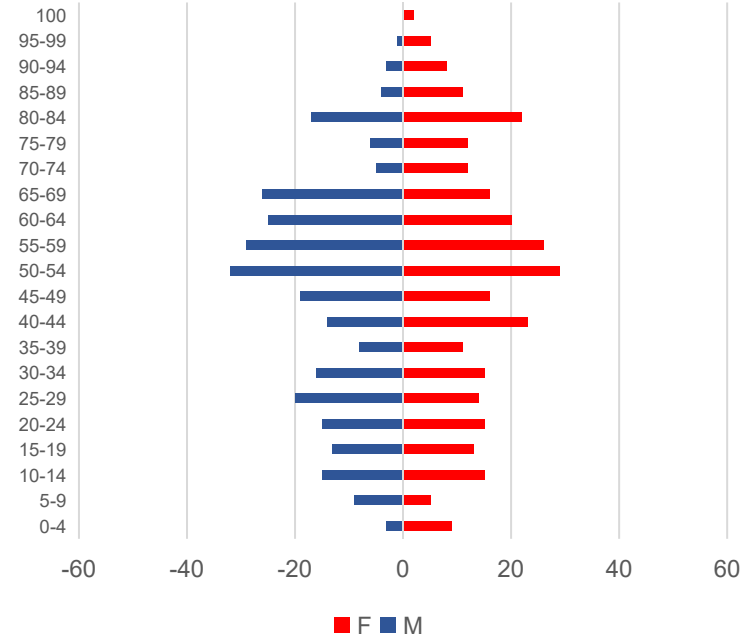
Castelmezzano



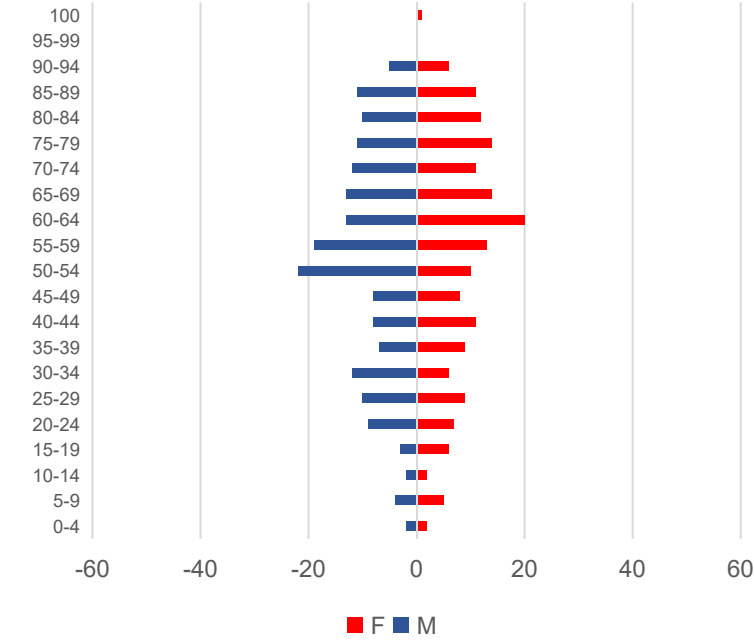
Pietrapertosa



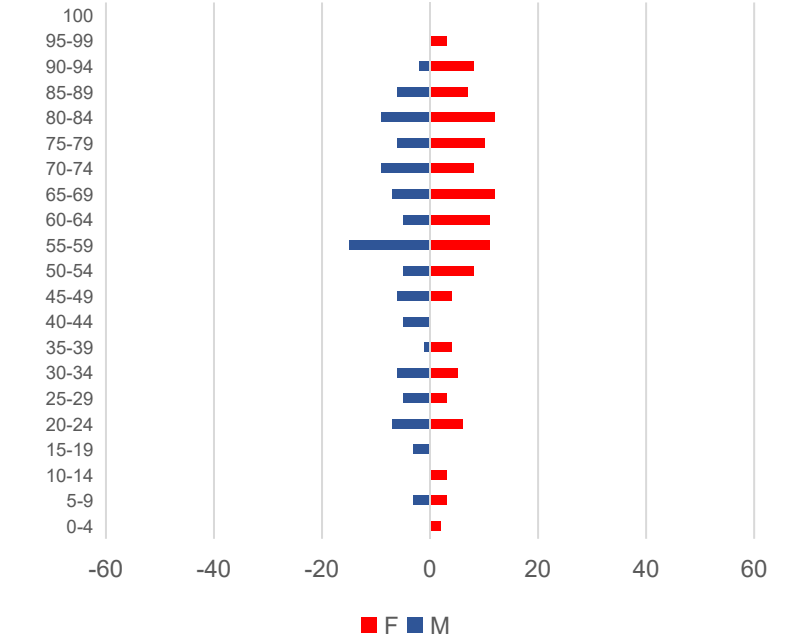
Armento



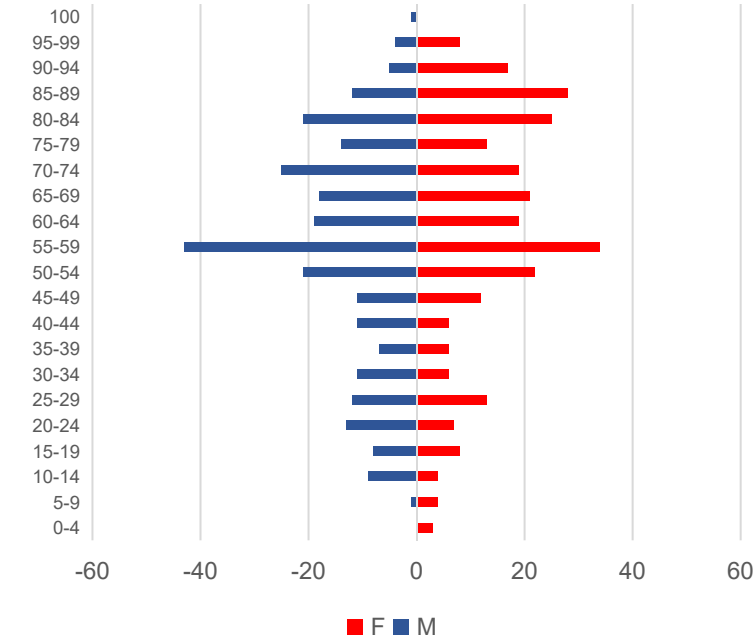
Calvera



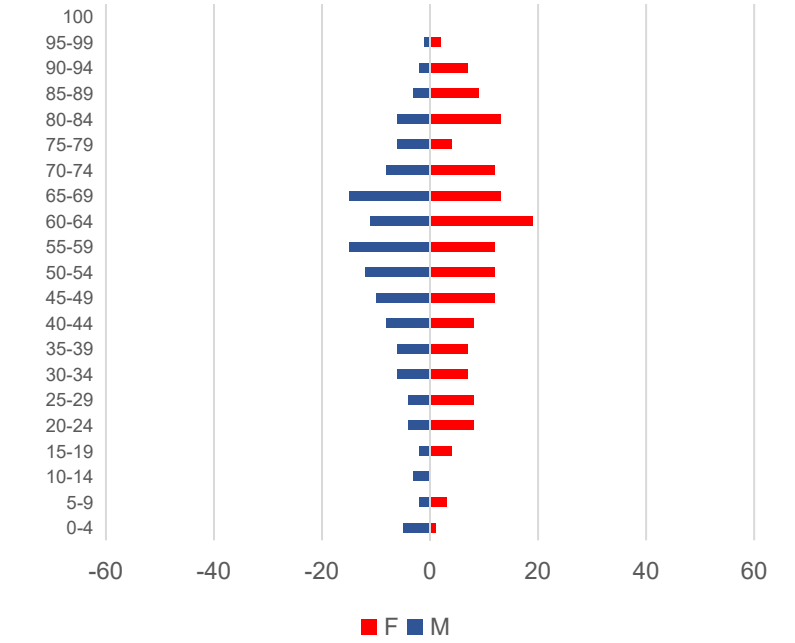
San Paolo Albanese



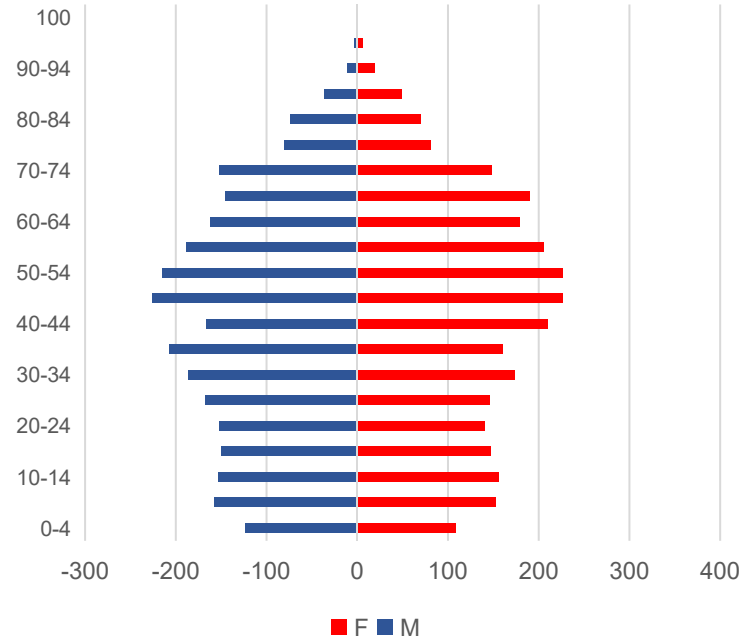
Carbone



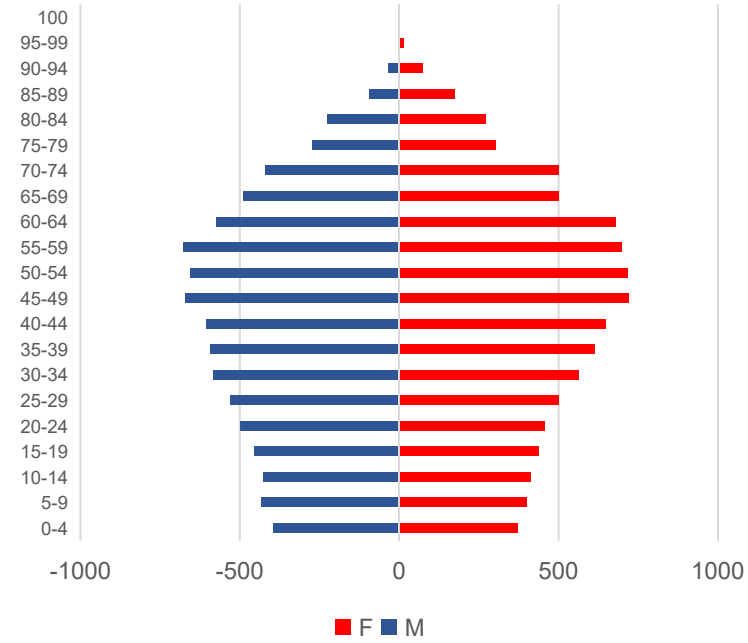
Cirigliano



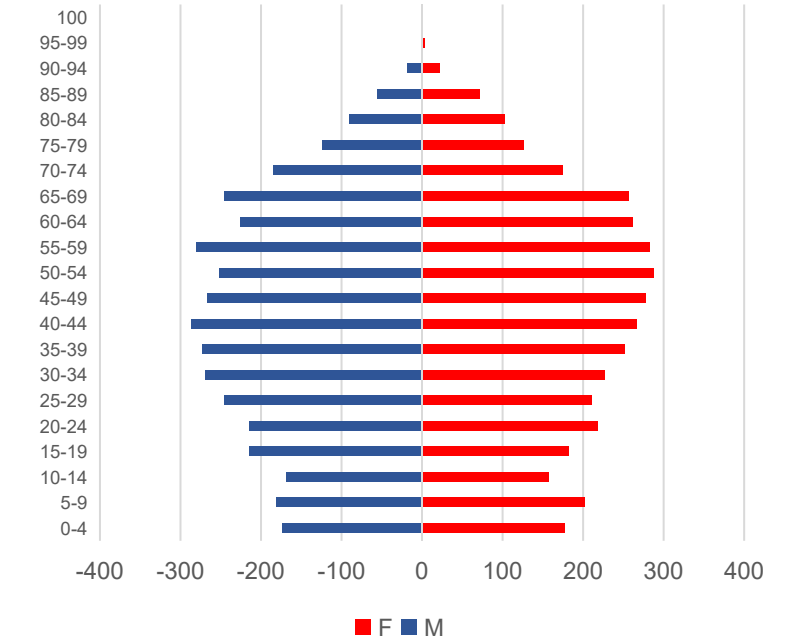
Marsicovetere



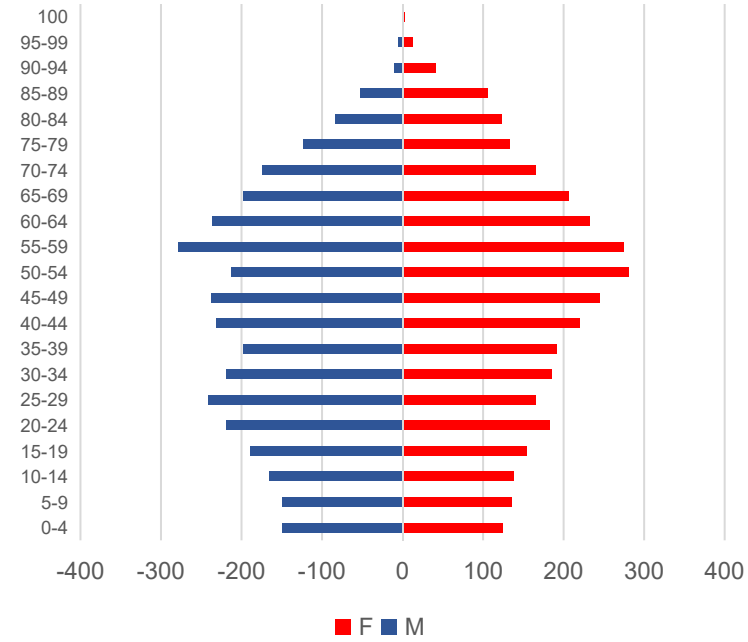
Policoro



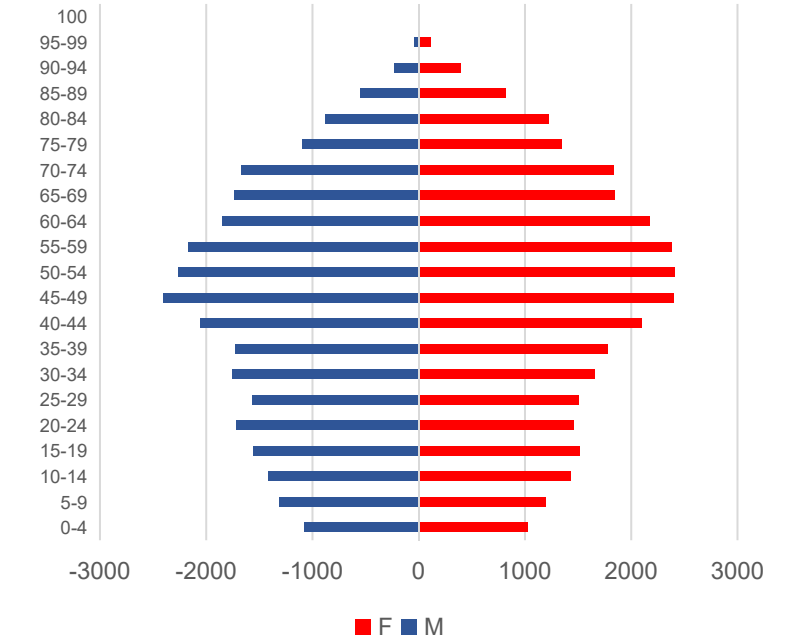
Scanzano Jonico



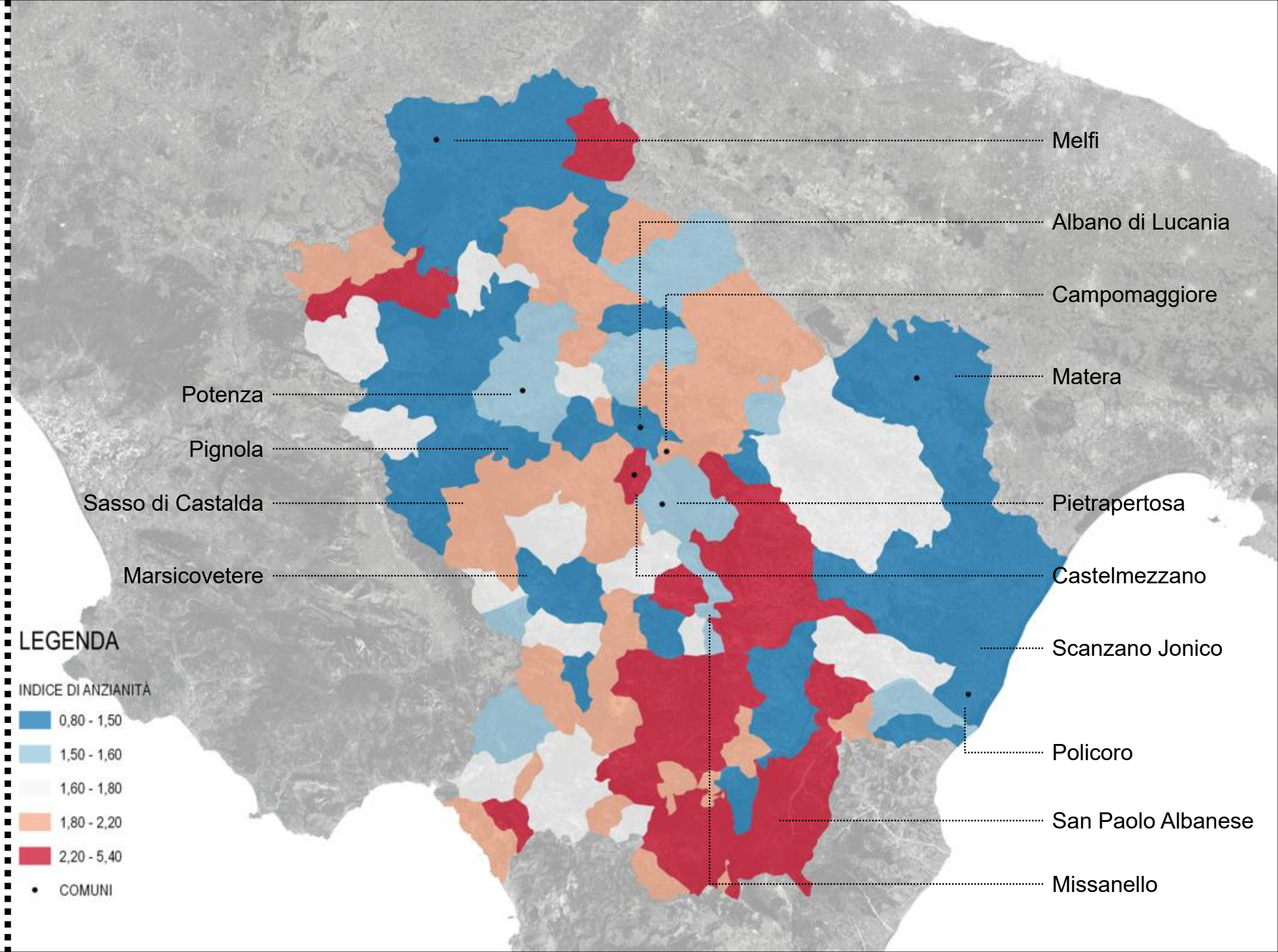
Nova Siri



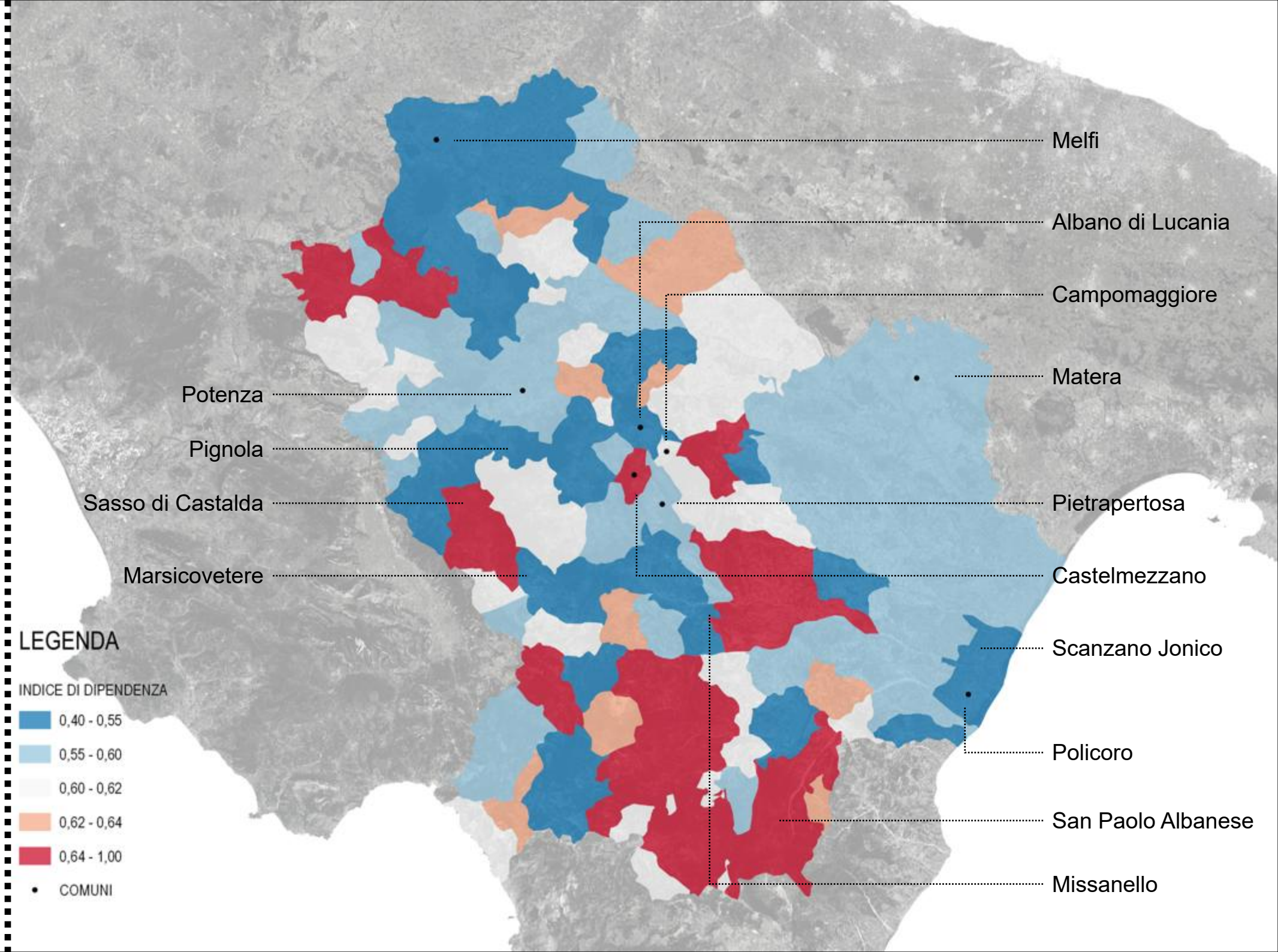
Matera

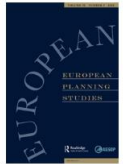


Indice di anzianità- 2022



Indice di Dipendenza - 2022





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Unveiling Intra-Rural Divides: Investigating Decline and Prosperity in Rural Areas. The Case Study of Southern Italy*

Alfonso Annunziata¹ [0000-0002-4057-0417] Francesco Scorza¹ [0000-0001-6149-7346] Simone Corrado¹ [0000-0002-0433-2219] Beniamino Murgante¹ [0000-0003-2409-5959]

¹ University of Basilicata, Potenza, Italy

annunziata.alfonso@yahoo.it

Abstract. Strategies to address the decline and marginalization of rural areas are emerging as a central issue of European and national policies. Yet, the conceptualization of decline and the recognition of forms of decline specific to distinct rural areas, resulting in conditions of intra-rural divide, are fundamental aspects for developing place-based and targeted strategies. The article thus focuses on the concept of intra-rural divide. It introduces the categories of declining, adapting, stabilizing, and developing regions as spatial clusters that present specific population trends and require specific place-based policies. These policies are defined as adaptation, mitigation, and development strategies. The aim of the study is to develop a procedure, based on a set of indicators of population trends and population structure, to investigate the impact of active decline resulting from out-migration and legacy decline resulting from demographic imbalances produced by past migration. The objective is to understand the intra-rural divide and identify clusters of declining transition and prosperous rural areas. Six Italian regions were selected as study areas, including Abruzzo, Basilicata, Calabria, Campania, Molise, and Puglia. The Municipalities are selected as the unit of analysis.

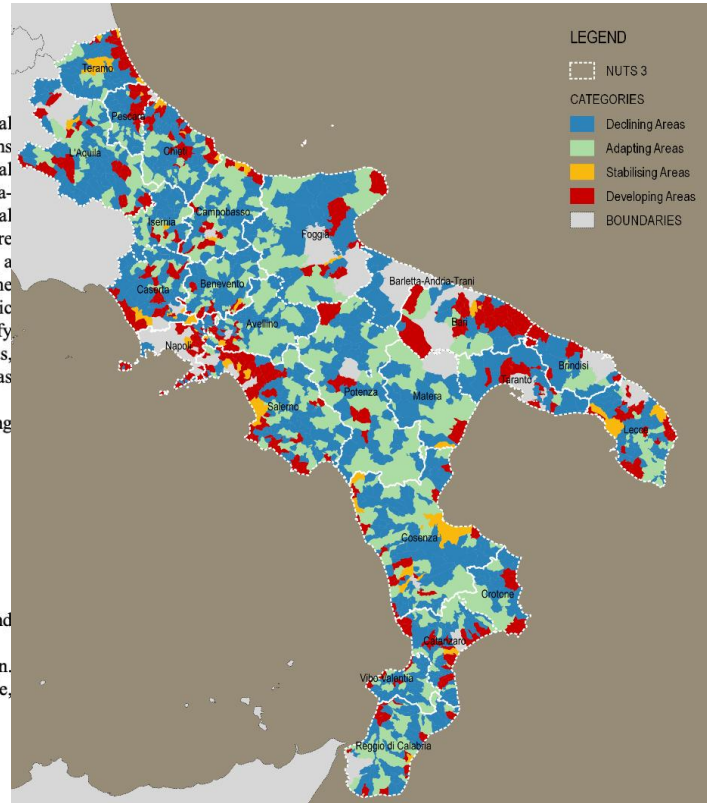
The study's findings provide relevant information for defining targeted policies and balancing adaptation, mitigation, and development strategies.

Keywords: Inland Areas, Geographically Weighted Regression, Spatial Analysis, Clustering, Open Data.

1 Introduction

The decline and marginalization of rural internal areas are emerging as a central issue of European and national policies.

Rural decline is defined as a population decrease over a period equal to or greater than a generation. Since the 1970s, several National and European initiatives have developed strategies to adapt to, mitigate, or invert the depopulation of rural areas (RAs).





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27 Febbraio 2024

Coinvolgere attivamente le comunità locali nella mitigazione dei rischi naturali e nelle sfide legate all'isolamento e allo spopolamento attraverso laboratori di partecipazione

G E O D E S I G N



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When you have a sites that are contested by competing economic, environmental & social forces



CONFLICTING POLITICS

When you have a problem with conflicting political views that must be accomodated & reconciled to move forward



HARD STRATEGY PROBLEM

A project where it is difficult to make a clear decision, we help you move forward by reducing risks



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