AVEC Workshop

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Recent causes of land

abandonment from an

economic perspective

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Land abandonment. What are we looking at?

Land is an input in agricultural production

Land is an asset

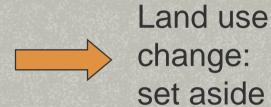
Land abandonment

Iand is not used as an economic resource
 Its use is reduced as a production factor
 It is excluded from the portfolio of assets

Land abandonment. What are we looking at?

decrease of land use

retaining of land ownership



decrease of land use
sale of land

Exit from the industry

Land abandonment. When does it occur?

modified economic profitability

- negative returns from the agricultural activity
- Opportunity cost greater than agricultural rent

Farm as unit of analysis

How to assess the intensity of abandonment processes?

Census' survey

- All type of farms are included: crops, forests, grazing activities
- Parks and totally abandoned land are excluded

Total Agricultural Area (TAA)
 Utilised Agricultural Area (UAA)

The magnitude of the abandonment process

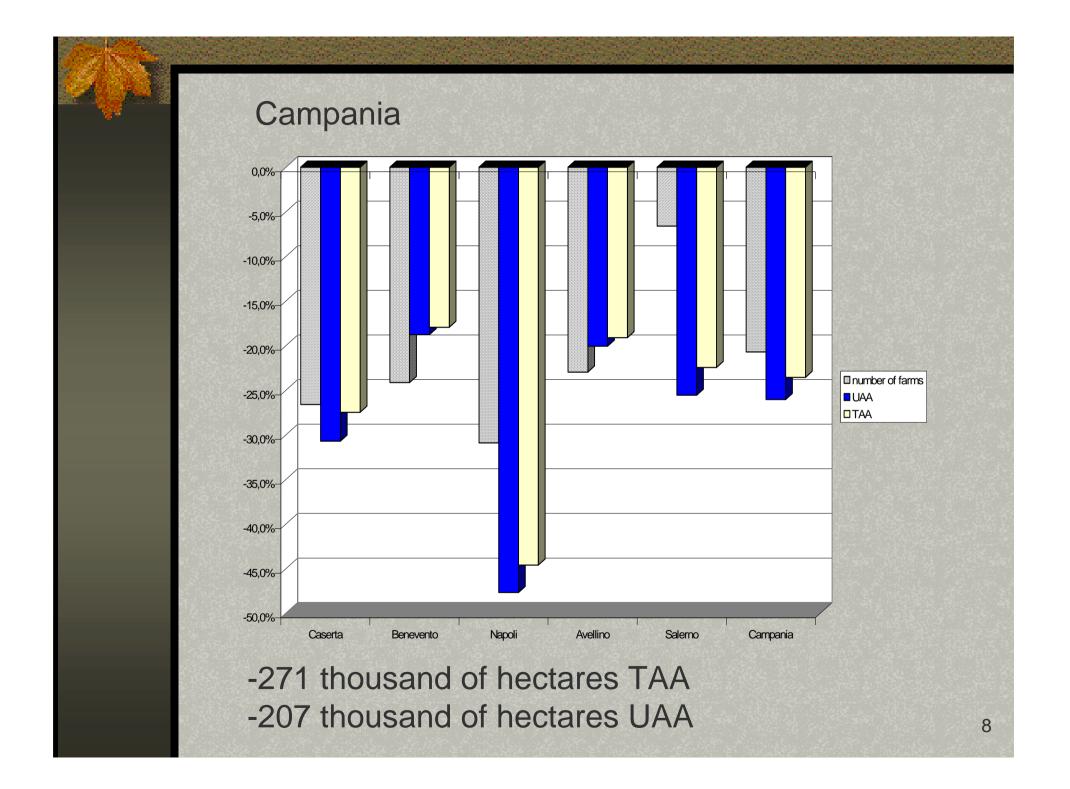
Italy

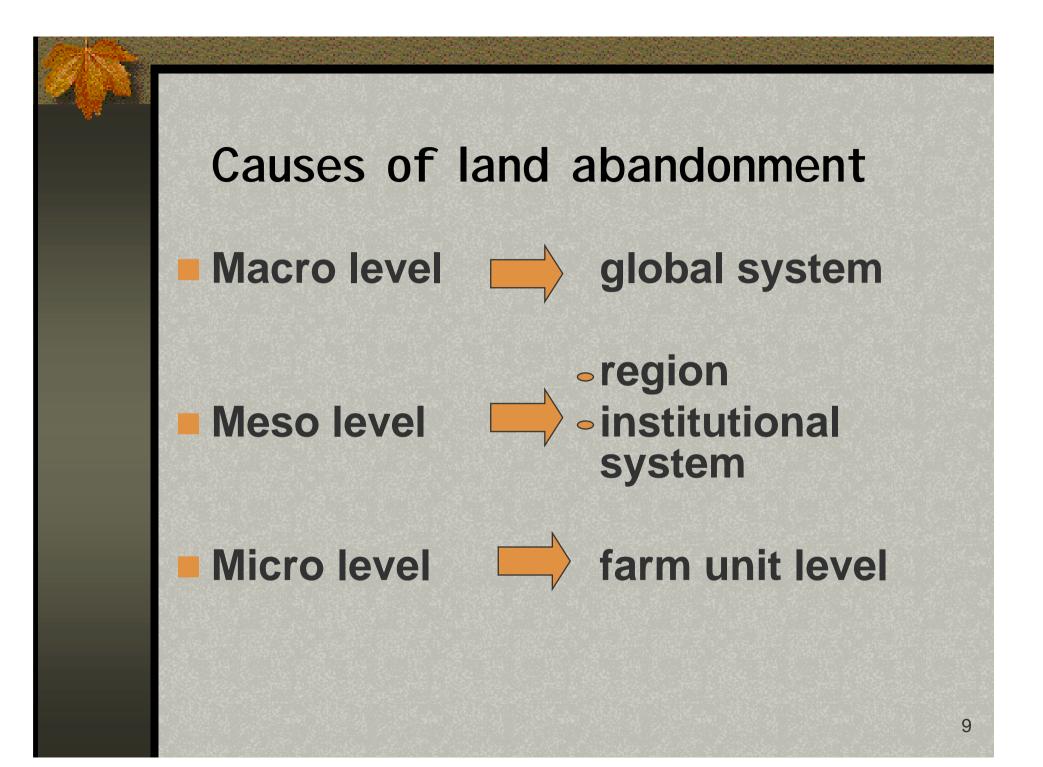
Year	UTILISED AGRICULTURAL AREA						TOTAL
	ARABLELAND	PREMANENT CROPS	PERMANENT PASTURE	TOTAL	FOREST AND WOODLAND	OTHER AREA	AGRICULTURAL LAND
1970	8.839.917,21	3.181.949,11	5.469.588,96	17.491.455,28	5.285.459,41	2.287.303,05	25.064.217,74
1980	8.334.972,81	2.984.411,64	4.523.119,04	15.842.503,49	5.637.610,87	2.151.380,84	23.631.495,20
1990	8.129.731,65	2.787.359,23	4.128.807,77	15.045.898,65	5.509.981,98	2.146.474,87	22.702.355,50
2000	7.340.221,38	2.457.993,59	3.414.437,17	13.212.652,14	4.710.810,97	1.683.631,23	19.607.094,34
Delta 1070-2000 (Hectars)	-1.499.695,83	-723.955,52	-2.055.151,79	-4.278.803,14	-574,648,44	-603.671,82	-5.457.123,40
Delta 1970-2000 (%)	-17,0%	-22,8%	-37,6%	-24,5%	-10,9%	-26,4%	-21,8%

The magnitude of the abandonment process

Italy

- -5.5 millions of hectares of TAA
- -4.3 millions of hectares of UAA
- The rate of land abandonment has increased during the last period
 - 57% of the total decrease of TAA
 - 43% of the total decrease of UAA





Global level

Characteristics of development path

- Industrialization
- Urban expansion
- Technological change
- Globalization
- Free trade

Micro level Firm

Production choices

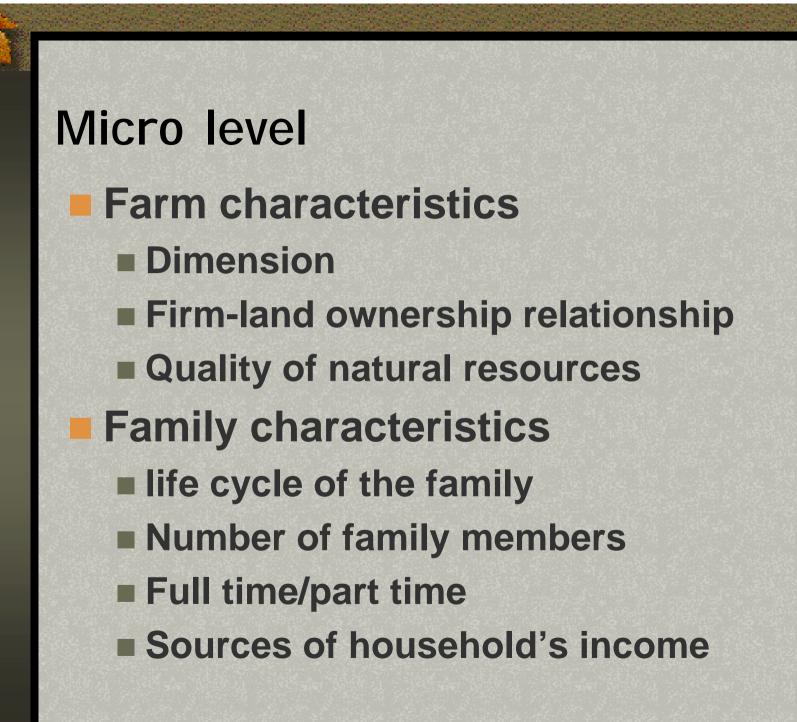
Profit maximization objective Technical constraint

Input availability

Household farm

Production choices

Allocation of family Labour choices Consumption choices



Family characteristics

Age of the farmer
Family members working on farm
Labour intensity of the farm

Income dimension Market linkages

Farm typologies in Campania (1)

249 thousand farms

Market relationship

- 40.6 thousands (or 16.3%) self consumption
- 171 thousands (or 68.7%) production partially sold on the market
- 37 thousands (or 15%) production entirely sold on the market

Farmer age of the market oriented farms

70 thousands of the total 208 thousands (or 34%) are 65 year old or more

Farm typologies in Campania (2)

Economic dimension

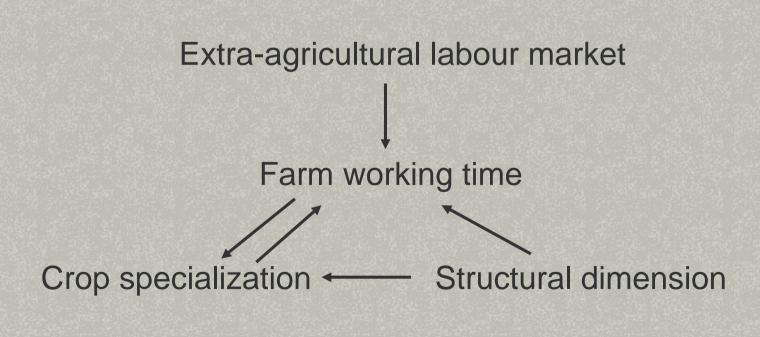
85% of the firms with elderly farmer generates an income of 4,800 Euro/year or less

Part time /full time farmers

 35% of the market oriented and less than 65 years old farmers are part time (48 thousands on 138 thousands)

Land abandonment risk

Elderly farmersFarms with low labour employment



Meso level

- Region
 - Infrastructure provision
 - Location
 - System of service providers
 - Accessibility to information
 - Proximity to the market

unit cost of production economic profitability

Meso level

Institutional system

- Rules of landscape management
- Rules defining relationship between firm and land ownernhip (lease contracts)
- Rules defining relationship between firm and labour (labour contracts)
- Price system
- Agricultural policy

Agricultural policy

- Mid-Term Review of the CAP
 - Single farm payment
 - Partial and Total Decoupling
 - Aid is received even if land is not cultivated
 - Removal of intervention prices will make market prices decrease
 - reduction of economic margins
 - reduction of the value of land marginal productivity
 - Payment entitlements are embodied in land rent