

Three agro-economical-statistical conferences will take place at EXPO 2015 - Italian Pavilion, Monday, 31 August 2015

Initiatives selected by the Conference of Italian University Rectors

I. New challenges and cross-cutting issues in agricultural and rural planning Second session:

Rural land management and planning: crosscutting and interdisciplinary issues

Urban VS Rural development

by Roberto Fanfani (Alma Mater studiorum – Università di Bologna)

The urban and rural development processes are strictly related to:

continuous and non-linear changes among multi-dimensional aspects:

demographic, socio-economic, environment and resources endowment, Cultural heritage and landscape, Institutional and governance aspects.

changing of the U/R relationships over time and space.

The complex and changing relationships amplify the difficulties to define:

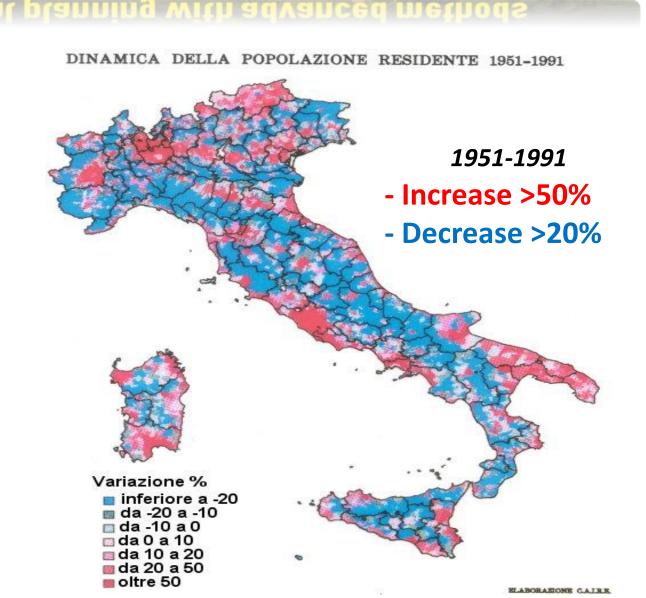
- a taxonomy of rural and urban areas
- and, even more, an appropriate policy mix for development

To better understand the close relationships between U/R areas we could consider some aspects of demographic changes.

- Some interesting examples from Italy
- a country that after WW2 has experienced a rapid process of development:
 - a fast passage from agriculture to industrialization
 - a great change of resident population
 - inside the country (from countryside to cities, fram South to Nord)
 - A great migration toward european countries
- Demographic changes over time and space in Italy
- Demographic changes in the structure of population in U/R areas

Demographic changes of resident population in Italy over time (1951-1991) and space (municipalities)

- The great change of resident population between 1951-1991 has interested:
- >30% of population change residence with
 - Increase by more than 50%
 - Decrease by more than 20%



Basso

Medio

The Degree of urbanization in Italy increased wingreat importance of High and medium degrees Ye 2001 – (municipalities, Lau2 level)-

High (44%), Medium (39%), Low (16%)

Urbanization degree in Italy and EU (%)

	Italy(%)	EU-27(%)	
High(alto)	44,6	47,0	Densità popolazione >500 ab/Km2 e >50,000 ab.
Medium (medio)	39,3	25,0	Densità popolazione >100 ab/Km2 e >50,000 ab. Close to high density area
Low (basso)	16,1	28,0	The other areas

European Statistics on Income and Living Conditions, Eu-Silc-Unità amministrative locali (Lau2) - Comuni per l'Italia

Surface of inhabited localities in Italy (towns + production activities) -

National average

Relevance: (2011) 6.7% of Total Land Area (2011) -20,000 skm over 300,000 skm

Changes (2000-2011): + 8.8 % of surface (2000-2011)

The complexities to define a taxonomy of rural and urban areas depend on

the diversities existing within and between U/R areas.

The complexities to define a taxonomy of rural and urban areas

Some characteristics of Urban Areas

- Dimensions of cities (small, medium, big, metropolitan areas)
- Urbanization degree (High, medium, low)
- Dynamic changes of
 - Population (growing, stable, decreasing)
 - Economic activities (manufacturing, services, tourism)
 - Services, Higher education and S3

Some characteristics of Urban Areas in Italy and in the EU

City Dimension (Italy) Urbanization		degree (Italy/Eurostat)	Dynamic changes (%)		
Small	< of 50,000 ab.	Low	No medium and High	Decreasing	> -5%
Medium	50 to 250,000 ab.	Medium	Densità popolazione >100 ab/Km2 e >50,000 ab. Close to high density area	Stable	-5 to +5%
Large	> 250,000 ab.	High	Densità popolazione >500 ab/Km2 e >50,000 ab.	Growing	> +5%
Metropolitan	ten areas (Mi, To, Ge, Bo, Fi, Roma, Na, Pa)				

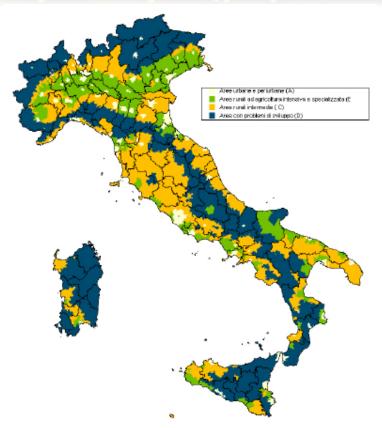
The complexities to define a taxonomy of rural and urban areas

The increasing complexity to define Rural areas is related to the utilization of:

- Simple indicator (i.e. density of population-OECD)
- Multiple-Threshold indicators
- Multiple sets of indicators (demographic, socio-economic, resource endowment, Human capital, Territorial capital, specific disadvantages)
- Dynamic trends of variables or set of variables
- More detailed analysis at disaggregated territorial level (NUTS2, Lau 2)

The complexities to define a taxonomy of rural and urban areas Rural Development Plans of 2014-2020 consider four typologies of areas

- a) Urban and peri-urban areas;
- b) Specialised Intensive Agriculture Rural areas;
- c) Intermediate Rural Areas;*
- d) Rural areas with Comprehensive Development Problems*
- *In rural areas (c) and (d) it applies a new governance approach the "Community Led Local Development" (CLLD) and may use structural Funds (ERDF, ESF, EMFF- In rural areas (d) it is possible to use specific measures and programmes such as the one for Mountain areas.
- ** A new map of Rural Disadvantaged areas will be defined in 2017. The new classification will utilise a complex system of indicators: socio-economic, but also technological and environmental indicators (low temperature, heat stress, soil drainage, soil texture and stoniness, soil rooting depth, soil chemical properties, soil moisture balance and slope).



- a) Urban and periurban areas;
- b) Rural areas with intensive agricolture;
- c) Rural areas intermedie;*
- d) Rural areas with development problems*-

Classification of disavantages

Disadvantaged Rural areas (dir.CE 268/75)

- **Mountain areas**, tot. delimited (art.3 par.3)
 - Mountain areas, part. delimited (art.3 par.3)
- Areas in danger of depopulation, tot. delimited (art. 3, par. 4);
 - Areas in danger of abandonment, partially delimited (art. 3, par. 4);
- Areas affected by specific handicaps, tot. delimited

(art. 3, par. 5);

- Areas affected by specific handicaps, part. delimited (art. 3, par. 5); Areas included art. 3 par. 3 and 4
- Not INCLUDED

Aree di montagna tot. delimitate (art.3 par.3) Aree di montagna parz. delimitate (art.3 par.3) Aree minacciate da spopolamento tot. delimitate (art. 3 par.4) Aree minacciate da spopolamento parz. delimitate (art. 3 par.4) Aree con svantaggi specifici tot. delimitate Aree con svantaggi specifici parz. delimitate (art. 3 par.5) Aree incluse ai sensi dell'art. 3 par.3 e 4

(CAIRE: Atlante del territorio rurale -TAV1)

Mapping different URBAN AND RURAL AREAS

(an example, CAIRE 2014

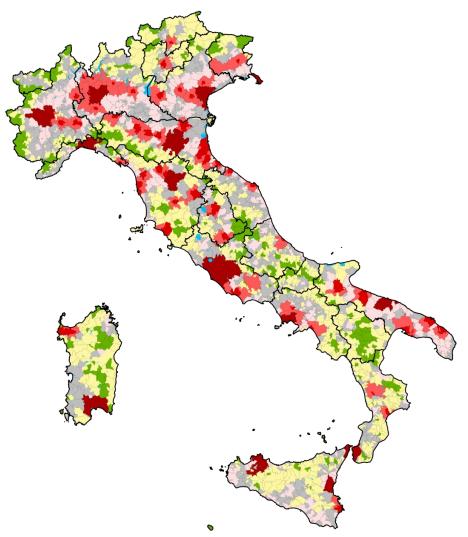
.URBAN- PERI-URBAN Areas

- **Metropolitan Cities**
- Cities with > 90.000 residents
- Local system of Cities with >250,000 residents
- Other Local system > 35,000 inhabitants and > 200,000 inhabitants with great accessibility (<30')

-----RURAL areas

- Intermediate Areas
- Internal Areas (comuni con meno di 50.000 abitanti accessibili in 30')
- **Ultra-peripheral** internal areas
- Regional border

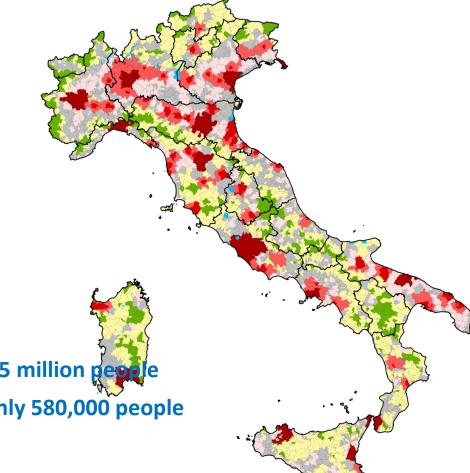
Different URBAN AND RURAL AREAS -



Different URBAN AND RURAL AREAS in Italy- see previous slide

The 60 million population in Italy (2010):

- 46 million in Urban areas (3/4)
 - 55% in highly urbanised areas
 - 20% of population in peri-urban areas.
- 14 million in rural areas (1/4)
 - 15% intermediate areas
 - 8% internal areas,
 - 1% ultra-peripheral (remote) areas
- The internal rural areas: 42% of national territory with only 5 million gentle
- The remote rural areas: 10% of the national territory with only 580,000 people



Great structural changes in Agriculture and Land utilisation in Rural areas

over the last 50 years: 1961-2010

The profound change of the territorial distribution of population has been accompanied and in large part determined by:

- The decline in the number of Farms,
- the shrinking of Agricultural areas,
- the reduction in the number of days worked

- 62%

Great structural changes of Farms and Land utilisation (last 50 years:1961-2010)

- Number of Farms
- Total Agricultural Areas (TAA) 35%
- Utilised Agricultural Area (UAA) -26%

Total territorial area of Italy

(302.073 sqkm: 35% mountain, 42% hill)

- 1961 TAA was > 90% of Total
- 2010 TAA was < 60% of Total

	Farms		(TAA)		(UAA)	
	Number (000)	Var %	HA (000)	Var %	Ha (000)	Var %
UNIVERSO ITALIA						
1961	4.294	-	26.572	_	-	-
1970	3.607	-16,0	25.065	-5,7	17.491	
1982	3.269	-9,4	23.631	<i>-5,7</i>	15.843	-9,4
UNIVERSO UE*						
1982	3.133	-	22.398	-	15.973	-
1990	3.023	-3,5	22.702	1,4	15.046	-5,8
2000	2.396	-20,7	18.767	-17,3	13.182	-12,4
2010	1.621	-32,4	17.081	-9,0	12.856	-2,5

^{*} Universo UE, comprende le aziende con più di un ettaro ed una produzione superiore a 2500€.

Acceleration in Farms and agricultural

land reduction in the last decades

1982-2010: - 50% of Farms* (1,5 mln)

- 24% of TAA (5,3 mln Ha

- 20% of UAA (3,0 mln Ha)

Strong reduction in Mountain and Hill areas Mountain areas

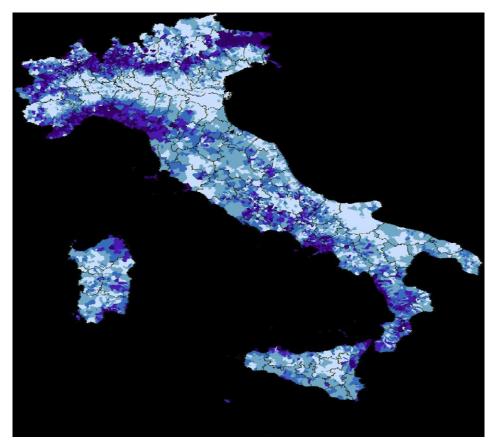
- - 408.000 farms 60%
- - 2,5 mln Ha of TAA -34%

Hill areas

• -731.000 farms - 47% O -2,2 mln Ha of TAA -23%

Lowland areas

• - 373.000 farms -42% O - 570 mln ha of TAA -11%



Reduction of TAA 1961-2010 (Caire)

- greater than 80%
- less than 20%

How to reconcile Urban and Rural areas

The better definition and classification of urban and rural areas and their structural and dynamic changes*

play a crucial role
in defining the road map for a possible
reconciliation (partnership) between
the different typologies of urban and rural areas

^{*}in the previous part we presented some examples of possible taxonomy and structural changes, mainly referring to rural areas.

^{**(}REURBAN "Partnership for sustainable rural-urban development: existing evidences, 2012 ")
"rural-urban relationships as the basis for the partnership"

How to reconcile and establish partnerships between Urban and Rural areas

- Better food for better cities*
 - Satisfy Increasing need for better food and a healthy diet (secure, safety and quality of foods)
 - Satisfy the food consumption of different aging groups and categories (changing models inside as outside the family)
 - Shortening the food chain and utilization of social innovation
 - availability of fresh food, organic and certified food, PDO PGI foods and drinks, and traditional and local foods
- Public goods and resources utilization
 - Sustainable agriculture and resources preservation,
 - Improve the availability/distribution of natural resources (water, energy)
 - Better provision of public goods inside the cities (greening) and in rural and peripheral areas (parks and natural reserves)
- Infrastructure and services
 - Improved accessibility in rural areas
 - ICT—Broadband National Plan for Rural and Urban Area (Rural development and Cohesion Funds)
 - Accessibility and health, educational and social services
 - Rural and cultural tourism
 - Higher education, Research and innovation, Smart specialisation (S3)