

18th PACIOLI workshop

**"The effects of the new typology: an  
analysis based on 2000 Agricultural  
Census data"**

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*"The effects of the new typology: an analysis based on 2000 Agricultural Census data"*

- **Council Regulation (EC) 1242/2008 of december 2008: the new Community typology for agricultural holdings that applies from FADN 2010, FSS 2010 and Agricultural Census 2010**
- **The transition from the SGM to the Standard Output will change the criteria of the attribution of type of farming to the farms**

*"The effects of the new typology: an analysis based on 2000 Agricultural Census data"*

**Aims of the analysis is to verify, through matrix of transition, the changes in the classification and the definition of farms, on the basis of 2000 Agricultural Census data**

*"The effects of the new typology: an analysis based on 2000 Agricultural Census data"*

## **Main innovations:**

- **The use of the SO instead of the SGM (type of farming and the economic size should be determined on the basis of an economic criterion remaining always positive).**
- **The type of farming is determined by the relative contribution of the SO of the different characteristics of the holding to the total standard output.**
- **Regulation (EC) 1242/2008 introduces a new class on the importance of Other Gainful Activities directly related to the holding.**

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## **Methodology**

➤ Sources:

- V Agricultural Census 2000
- FSS 2007
- Standard Output and Standard Gross Margin 2004.

➤ Variables:

- Standard Output (14 classes)
- Type of farming (general level 9 groups)
- ESU (11 classes)

➤ Level of spatial aggregation: National and Regional (NUTS2)



## Number of farms that don't change position classified according to old and new classification

	Standard Output	ESU	Type of farming
Piemonte	60.899	54.071	81.143
Valle d'Aosta	3.872	3.309	3.393
Lombardia	37.721	37.347	56.239
Bolzano	5.092	6.302	19.413
Trento	15.379	15.116	19.704
Veneto	123.350	108.686	133.692
Friuli V. G.	23.838	21.909	27.224
Liguria	30.333	26.799	35.409
Emilia-Romagna	48.100	45.767	80.890
Toscana	92.599	82.559	102.539
Umbria	41.020	37.018	40.041
Marche	41.602	35.437	45.543
Lazio	132.704	104.636	168.002
Abruzzo	46.517	37.808	64.092
Molise	18.542	14.920	22.223
Campania	131.349	103.849	202.765
Puglia	251.320	224.702	326.770
Basilicata	55.069	48.055	58.863
Calabria	115.649	93.765	168.323
Sicilia	221.841	181.683	322.126
Sardegna	58.435	48.050	90.241

## Number of farms that don't change position classified according to old and new classification (% values)

	Standard Output	ESU	Type of farming
Piemonte	55%	49%	73%
Valle d'Aosta	61%	52%	53%
Lombardia	52%	52%	78%
Bolzano	22%	27%	83%
Trento	51%	50%	65%
Veneto	66%	58%	72%
Friuli V. G.	70%	64%	80%
Liguria	71%	63%	83%
Emilia-Romagna	45%	43%	76%
Toscana	69%	62%	77%
Umbria	73%	66%	71%
Marche	64%	54%	70%
Lazio	63%	49%	79%
Abruzzo	57%	46%	78%
Molise	55%	45%	67%
Campania	54%	43%	83%
Puglia	72%	64%	93%
Basilicata	68%	59%	73%
Calabria	60%	48%	87%
Sicilia	61%	50%	89%
Sardegna	53%	44%	82%

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## **Results**

- **General trend to stay in the same class**
- **In some cases probably old classification wasn't able to represent farm specialization**
- **Not always changing in SO classification produces changes in typology**



## Distribution of farms classified according to Standard Output

Classes	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	Total
1	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
2	1%	79%	18%	2%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
3	0%	10%	46%	39%	4%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
4	0%	2%	11%	46%	35%	5%	1%	0%	0%	0%	0%	0%	0%	0%	0%	100%
5	0%	1%	1%	12%	40%	34%	11%	1%	0%	0%	0%	0%	0%	0%	0%	100%
6	0%	1%	1%	2%	13%	30%	44%	8%	1%	0%	0%	0%	0%	0%	0%	100%
7	0%	0%	1%	1%	3%	10%	39%	38%	6%	1%	0%	0%	0%	0%	0%	100%
8	0%	0%	0%	1%	1%	2%	10%	41%	39%	3%	2%	1%	0%	0%	0%	100%
9	0%	0%	0%	0%	1%	1%	3%	9%	54%	23%	2%	2%	2%	2%	0%	100%
10	0%	0%	0%	0%	1%	1%	1%	4%	11%	39%	25%	6%	2%	5%	4%	100%
11	0%	0%	0%	0%	0%	1%	3%	3%	6%	12%	20%	22%	16%	5%	11%	100%
12	0%	0%	0%	0%	0%	1%	3%	3%	6%	4%	7%	12%	32%	17%	15%	100%
13	0%	0%	0%	0%	0%	1%	3%	5%	4%	8%	4%	8%	16%	31%	22%	100%
14	0%	0%	1%	1%	0%	0%	1%	6%	5%	2%	4%	1%	11%	35%	33%	100%
15	2%	0%	0%	0%	0%	0%	0%	2%	11%	6%	0%	0%	4%	11%	64%	100%
<b>Total</b>	2%	40%	18%	15%	9%	5%	5%	3%	2%	0%	0%	0%	0%	0%	0%	100%

## Distribution of farms classified according to ESU

	0	Less than 1	1 - 2	2 - 4	4 - 6	6 - 8	8 - 12	12 - 16	16 - 40	40 - 100	100 and more	Total
0	100%	0%	0%	0%	0%	0%	0%	0%	0%	0%	0%	100%
Less than 1	1%	72%	24%	3%	0%	0%	0%	0%	0%	0%	0%	100%
1 - 2	0%	8%	45%	42%	4%	1%	0%	0%	0%	0%	0%	100%
2 - 4	0%	1%	9%	47%	29%	9%	3%	1%	0%	0%	0%	100%
4 - 6	0%	1%	1%	14%	27%	27%	23%	5%	3%	0%	0%	100%
6 - 8	0%	1%	1%	5%	13%	19%	37%	16%	9%	0%	0%	100%
8 - 12	0%	1%	1%	2%	5%	9%	25%	24%	30%	2%	0%	100%
12 - 16	0%	0%	0%	1%	1%	4%	13%	18%	56%	5%	1%	100%
16 - 40	0%	0%	1%	1%	1%	1%	4%	6%	51%	32%	3%	100%
40 - 100	0%	0%	0%	1%	0%	0%	1%	1%	10%	53%	34%	100%
100 and more	0%	0%	0%	0%	0%	0%	1%	0%	3%	9%	86%	100%
Total	2%	27%	18%	18%	8%	5%	6%	3%	7%	4%	2%	100%

## Distribution of farms classified according to Type of farming

	Arable land	Horticulture	Permanent crops	Herbivores	Granivores	Polyculture	Breeding	Crops-Breeding	Unclassified	Total
Arable land	80%	0%	2%	1%	1%	10%	0%	5%	1%	100%
Horticulture	0%	88%	1%	0%	0%	10%	0%	1%	0%	100%
Permanent crops	0%	0%	97%	0%	0%	2%	0%	1%	0%	100%
Herbivores	47%	0%	0%	50%	0%	1%	1%	0%	0%	100%
Granivores	3%	0%	0%	0%	63%	0%	0%	4%	30%	100%
Polyculture	5%	1%	30%	1%	1%	47%	2%	13%	0%	100%
Breeding	13%	0%	0%	38%	9%	4%	17%	19%	0%	100%
Crops-Breeding	12%	0%	6%	33%	6%	12%	7%	23%	0%	100%
Unclassified	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
Total	22%	2%	55%	6%	1%	8%	1%	4%	2%	100%

## Distribution of farms classified according to new SO and Type of farming

Classes of Standard output	Type of farming									Total
	Arable land	Horticulture	Permanent crops	Herbivores	Granivores	Polyculture	Breeding	Crops-Breeding	Unclassified	
1	0	0	0	0	0	0	0	0	54.343	54.343
2	303.191	3.714	613.553	7.069	8.645	62.828	1.411	23.434	0	1.023.845
3	85.580	3.592	297.548	8.981	2.046	46.439	3.184	18.689	0	466.059
4	66.499	5.200	221.592	15.375	1.560	40.566	4.265	18.188	0	373.245
5	42.309	7.023	123.330	20.390	1.149	21.646	3.659	13.914	0	233.420
6	22.336	6.797	59.159	20.502	812	10.127	2.491	8.757	0	130.981
7	17.119	8.717	45.776	29.911	1.036	7.178	2.265	7.786	0	119.788
8	8.780	6.100	22.236	25.852	1.118	3.312	1.155	4.004	0	72.557
9	4.784	3.398	9.488	18.989	1.774	1.486	471	1.887	0	42.277
10	1.065	854	1.477	5.079	1.949	316	145	395	0	11.280
11	202	223	264	1.256	1.140	64	42	121	0	3.312
12	71	75	99	420	747	23	47	37	0	1.519
13	40	77	56	246	787	22	42	37	0	1.307
14	17	42	36	118	860	22	54	16	0	1.165
15	2	25	10	28	536	6	11	2	0	620
<b>Total</b>	<b>551.995</b>	<b>45.837</b>	<b>1.394.624</b>	<b>154.216</b>	<b>24.159</b>	<b>194.035</b>	<b>19.242</b>	<b>97.267</b>	<b>54.343</b>	<b>2.535.718</b>

## Distribution of farms classified according to new SO and Type of farming (% values)

Classes of Standard output	Type of farming									Total
	Arable land	Horticulture	Permanent crops	Herbivores	Granivores	Polyculture	Breeding	Crops-Breeding	Unclassified	
1	0%	0%	0%	0%	0%	0%	0%	0%	100%	100%
2	30%	0%	60%	1%	1%	6%	0%	2%	0%	100%
3	18%	1%	64%	2%	0%	10%	1%	4%	0%	100%
4	18%	1%	59%	4%	0%	11%	1%	5%	0%	100%
5	18%	3%	53%	9%	0%	9%	2%	6%	0%	100%
6	17%	5%	45%	16%	1%	8%	2%	7%	0%	100%
7	14%	7%	38%	25%	1%	6%	2%	6%	0%	100%
8	12%	8%	31%	36%	2%	5%	2%	6%	0%	100%
9	11%	8%	22%	45%	4%	4%	1%	4%	0%	100%
10	9%	8%	13%	45%	17%	3%	1%	4%	0%	100%
11	6%	7%	8%	38%	34%	2%	1%	4%	0%	100%
12	5%	5%	7%	28%	49%	2%	3%	2%	0%	100%
13	3%	6%	4%	19%	60%	2%	3%	3%	0%	100%
14	1%	4%	3%	10%	74%	2%	5%	1%	0%	100%
15	0%	4%	2%	5%	86%	1%	2%	0%	0%	100%
<b>Total</b>	<b>22%</b>	<b>2%</b>	<b>55%</b>	<b>6%</b>	<b>1%</b>	<b>8%</b>	<b>1%</b>	<b>4%</b>	<b>2%</b>	<b>100%</b>

## Distribution of farms classified according to new SO and Type of farming (% values)

Classes of Standard output	Type of farming									Total
	Arable land	Horticulture	Permanent crops	Herbivores	Granivores	Polyculture	Breeding	Crops-Breeding	Unclassified	
1	0%	0%	0%	0%	0%	0%	0%	0%	100%	2%
2	55%	8%	44%	5%	36%	32%	7%	24%	0%	40%
3	16%	8%	21%	6%	8%	24%	17%	19%	0%	18%
4	12%	11%	16%	10%	6%	21%	22%	19%	0%	15%
5	8%	15%	9%	13%	5%	11%	19%	14%	0%	9%
6	4%	15%	4%	13%	3%	5%	13%	9%	0%	5%
7	3%	19%	3%	19%	4%	4%	12%	8%	0%	5%
8	2%	13%	2%	17%	5%	2%	6%	4%	0%	3%
9	1%	7%	1%	12%	7%	1%	2%	2%	0%	2%
10	0%	2%	0%	3%	8%	0%	1%	0%	0%	0%
11	0%	0%	0%	1%	5%	0%	0%	0%	0%	0%
12	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%
13	0%	0%	0%	0%	3%	0%	0%	0%	0%	0%
14	0%	0%	0%	0%	4%	0%	0%	0%	0%	0%
15	0%	0%	0%	0%	2%	0%	0%	0%	0%	0%
<b>Total</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>

## Next steps:

- Extend the methodology to new Census data
- Comparison between two Census
- Extend the analysis to old classifications

Thank you

