Global Challenges and Local Solutions: Wine Sector Changes in Europe and in Portugal Bernardo M. Telles Reynolds S. Pacheco de Carvalho¹ Dinah Monteiro e Neiva Carvalho

A. Problem Statement

The wine sector industry is one of the main activities in several agro-regions in Europe representing one of the agro-industrial sectors with tradition and in general with a strong technological evolution in the past few decades. Adding value to a crop, which is mainly processed with the objective of providing pleasure rather then for its nutritional value, has been a successful activity in most regions where consumption grows and where the competitiveness of the products produced is achieved. Open markets have been growing just as international trade has, but nowadays the challenge in Europe is not to increase production, (Europe has structural surplus) but to increase quality, value for product and competitiveness worldwide. Global challenges are quite obvious in international competition, but one of the solutions is to create value along the chain based on local characteristics, differentiation and aggregation of value linked with cultural background. Portugal is a specific case of great changes and challenges, being one of the main producers in the world (among the first 10 major producers) and also one with great tradition in production and in the international markets, which has been successful in some regions with technological innovation.

B. Objectives

The work presented will outline the evolution of the Wine Sector in Europe and specifically in Portugal, such that the main drivers of the changes can be identified along with the major strengths and constraints in the context of worldwide competition. The main objective is to show how important local characteristics are, and how aggregating value linked with cultural values can be a key aspect for competitiveness.

C. Procedures

The paper will describe the sector and its evolution in Europe and specifically in Portugal, and will use development models, based on the principle of the induced changes and innovation, but also showing how important consumer behavior is, in the context of the global challenges. New comers into the market are very important new players in international markets, with specific importance of some tropical countries entering into production, but also representing enormous opportunities for the traditional producers. Markets will expand, and will do so in less developed countries with space for local producers but also for international trade opportunities. Market regulation and good

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economic policies for good market behavior will also be an important aspect to be explored.

D. Data Collection and Analysis

D1 – European Framework

Production area in Europe has been declining in almost every important country in the sector (in terms of national production).

| Country | 1961 | 1980 | 2000 | 2007 |
|--------------|--------|--------|--------|--------|
| France | 1418.0 | 1113.8 | 861.0 | 830.0 |
| Germany | 66.2 | 89.5 | 101.5 | 99.5 |
| Greece | 247.1 | 185 | 124.8 | 80.0 |
| Italy | 1690.7 | 1349.0 | 872.7 | 770.0 |
| Portugal | 225.0 | 250.0 | 232.0 | 222.6 |
| Spain | 1742.0 | 1657.4 | 1167.7 | 1200.0 |
| United King. | | | 0.8 | 0.7 |

Area harvested (1000 ha) – per year

Source: FAO estimates

Italy is a leading country in production and area of production, along with France, with great declines in production areas. Greece is the country with the biggest relative decline in production areas, being Portugal the most stable. Germany is the only one with significant increase in production areas. Looking now at the production behavior it is amazing to see how stable production has been in almost every country

| Country | 1961 | 1980 | 2000 | 2007 |
|--------------|---------|----------|---------|---------|
| France | 7 491.0 | 10 321.0 | 7 762.6 | 6 500.0 |
| Germany | 428.5 | 625.7 | 1 360.9 | 1 300.0 |
| Greece | 1 420.1 | 1 521.0 | 1 251.5 | 950.0 |
| Italy | 8 447.0 | 13 244.5 | 8 869.5 | 8 519.4 |
| Portugal | 1 063.0 | 1 440.0 | 1.045.9 | 1050.0 |
| Spain | 3 298.0 | 6 721.4 | 6.539.8 | 6013.0 |
| United King. | 0 | 0 | 2 | 1 |

Source: FAO estimates

D1 – The Rest of the World - most significant countries in the wine chain

It is important to relate to the rest of the world. In doing so, we can look at the table below which presents data on the other important players.

| Country | 1961 | 1980 | 2000 | 2007 |
|--------------------|-------|-------|-------|-------|
| Argentina | 239.0 | 318.5 | 187.7 | 220.0 |
| Australia | 49.3 | 65.2 | 110.6 | 163.9 |
| Brazil | 64.9 | 57.3 | 59.7 | 76.4 |
| Chile | 101.0 | 115.0 | 156.9 | 182.0 |
| China | 10.2 | 34.7 | 286.1 | 503.5 |
| Russian Federation | | | 61.4 | 55.0 |
| South Africa | 67.0 | 115.0 | 108.4 | 115.0 |
| USA | 206.9 | 281.9 | 383.0 | 380.0 |

Area harvested (1000 ha) - per year

Source: FAO estimates

The production in the rest of the world, on the contrary to what is the trend in most European countries, seems to be climbing, with the exception of Argentina. China is currently the one with the largest relative increase in vine cultivated area, having shown an amazing increase since 1980. In the group outside Europe, the leadership comes from United States of America, China and South Africa. Argentina used to be the most important country outside Europe, and now is the only one with stable level of production.

| Country | 1961 | 1980 | 2000 | 2007 |
|--------------------|---------|---------|---------|---------|
| Argentina | 1 675.0 | 2 349.0 | 1 253.7 | 1 550.0 |
| Australia | 153.5 | 414.2 | 806.3 | 962.0 |
| Brazil | 158.0 | 199.6 | 300.0 | 240.0 |
| Chile | 485.3 | 586.0 | 667.4 | 827.7 |
| China | | 80.0 | 1 050.0 | 1 450.0 |
| Russian Federation | | | 309.0 | 581.8 |
| South Africa | 305.2 | 706.9 | 694.9 | 1 050.0 |
| USA | 641.6 | 1 800.0 | 2 487.0 | 2 300.0 |

Production (1000 tons)

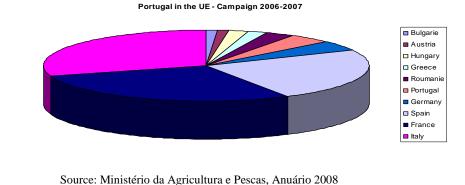
Source: FAO estimates

We do not want to enter into to many details, but the dynamics in the sector come from changes in technology either in production (and/or productivity), quality and/or commercialization/marketing, mainly related with the export markets linked with "mature" economies and emerging markets. Markets can only expand with emerging economies, outside Europe, since the consumption trend in most OECD countries tends to be stable.

Within Europe, however there are new opportunities in the East European countries, as growing markets and/or in local production terms. The graph below shows already the relative position of the East European most significant countries.

| Total UE(27) | 186 244 |
|--------------|---------|
| Italy | 54 600 |
| France | 53 025 |
| Spain | 43 679 |
| Germany | 8 995 |
| Portugal | 7 543 |
| Roumanie | 5 014 |
| Greece | 3 947 |
| Hungary | 3 271 |
| Áustria | 2 256 |
| Bulgarie | 1 900 |

Portugal in the UE - Campaign 2006-2007 - Evolution of Wine Production (in Volume - 1000 Hl)

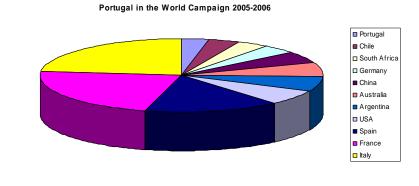


D.2 – Portugal in particular

Portugal is one of the most traditional producers in Europe with tradition in the international markets. However it is also a country with local tradition in consumption with over consumption problems. In the past few decades it was achieved a significant change from almost 100 liters per capita year to about 50 liters per capita year today. The most significant structural changes have been inter-regional changes, maintaining the overall production levels, with quality improvements exploring international market opportunities.

| Portugal | 7 266 |
|--------------|---------|
| Chile | 7 886 |
| South Africa | 8 406 |
| Germany | 9 153 |
| China | 12 000 |
| Australia | 14 301 |
| Argentina | 15 222 |
| USA | 15 222 |
| Spain | 36 158 |
| France | 52 105 |
| Italy | 54 021 |
| Total World | 282 276 |

Portugal in the World Campaign 2005-2006 - Evolution of Wine Production (in Volume - 1000 Hl)



Source: Ministério da Agricultura e Pescas, Anuário 2008

According to data from the Portuguese Vitivinicultural Report, the vineyard area in September 2007 was 237,588 hectares, providing the following regional distribution:

| Inventory of wine- | growing areas | per region |
|--------------------------|--------------------|---------------|
| | Area | (Ha) |
| Region | VQPRD ² | TOTAL |
| Minho | 31.245 | 31.816 |
| Tras-os-Montes | 39.534 | 68.899 |
| Beiras | 11.813 | 57.321 |
| Ribatejo | 1.519 | 19.518 |
| Estremadura | 1.395 | 25.198 |
| Setúbal | 1.590 | 9.282 |
| Alentejo | 10.425 | 23.491 |
| Algarve | 380 | 2.063 |
| Total | 97.901 | 237.588 |
| Courses Ministório de As | maniferra a Dagaa | a Amuánia 200 |

Source: Ministério da Agricultura e Pescas, Anuário 2008

In terms of production potential it is estimated that mainland Portugal has 253,655 hectares. This is a result of the addition of available planting rights and rights kept in reserve to the existing area measured in September 2007:

| Production potence | cial |
|-----------------------------------|--------------------|
| | Area (Ha) |
| Existing Area (09/2007) | 237.588 |
| Available planting rights | 15.459 |
| Reserved planting rights | 608 |
| ouros Ministário de Agriculture o | Dagang Anuária 200 |

Source: Ministério da Agricultura e Pescas, Anuário 2008

Under the national support program Member States will have at their disposal funding which will enable them to adopt the measures best suited to their needs. The list of measures available include: promotion in third countries, restructuring of vineyards, modernization of the sector, innovation and support for green harvest. The distillation of by-products may qualify for financial aid at a level lower than the current, with the abolishment of the minimum purchase price to producers. The funding allocated to Portugal totals 274 million, for use in the period 2009-2013, broken down as follows:

| European Union funding available to Portugal – million euros | | | | | | | | |
|--|--------|--------|--------|--------|--|--|--|--|
| 2009 2010 2 011 2012 2 013 | | | | | | | | |
| 37.802 | 51.627 | 53.457 | 65.989 | 65.160 | | | | |
| Source: Ministério da Agricultura e Pescas, Anuário 2008 | | | | | | | | |

² V.Q.P.R.D. – Vinho de Qualidade Produzido em Região Determinada stands for Quality wine Produced in a Specific Region. This is the Official Name given to the wines whose originality and individual characteristics have a unbreakable bond to their Region of Production (www.vqprd.com).

The new Common Organization of the Market in Wine was implemented on August 1st, 2008. One of its aims is to increase wine quality and for this it has estimated an amount of 61 million Euros to subsidy the boot of vines.

Export Markets are one of the most important solutions for adjustments in structural changes, and within a competitive environment providing alternatives for the most efficient. Quality and efficiency concerns are crucial, along with the capacity to answer to the new growing markets. It is important to note the case of Angola, clearly an emerging market in less developing countries group.

| Main Markets of Destination of total wine products in value- 2007 | | | | | | | | | |
|---|------------------|-------|-----------|-----|-----------|-----|--|--|--|
| | Prepackaged Bulk | | | | Total | | | | |
| Destination Market | 1000 euro | % | 1000 euro | % | 1000 euro | % | | | |
| Angola | 39.539 | 83 | 8.226 | 17 | 47.764 | 18 | | | |
| United Kingdom | 21.890 | 99 | 218 | 1 | 22.108 | 9 | | | |
| France | 12.166 | 60 | 8.260 | 40 | 20.426 | 8 | | | |
| U.S.A | 18.364 | 97 | 504 | 3 | 18.868 | 7 | | | |
| Spain | 7.265 | 48 | 7.999 | 52 | 15.264 | 6 | | | |
| Brazil | 14.038 | 99 | 125 | 1 | 14.163 | 5 | | | |
| Germany | 10.778 | 78 | 3.032 | 22 | 13.810 | 5 | | | |
| Canada | 13.487 | 100 | 59 | 0 | 13.546 | 5 | | | |
| Italy | 4.646 | 38 | 7.586 | 62 | 12.232 | 5 | | | |
| Switzerland | 10.365 | 90 | 1.208 | 10 | 11.573 | 4 | | | |
| Sweden | 6.673 | 98 | 124 | 2 | 6.797 | 3 | | | |
| Belgium | 5.902 | 98 | 99 | 2 | 6.001 | 2 | | | |
| Others | 45.837 | 82 | 10.351 | 18 | 56.187 | 22 | | | |
| Total | 210.949 | 1,069 | 47.790 | 231 | 258.739 | 100 | | | |

Source: Ministério da Agricultura e Pescas, Anuário 2008

The evolution of the international competitive position can be evaluated looking at the export volume trend. Portugal in the last 5 years was able to improve global wine exports (around 40% increase) in a significant manner.

| | Ex | ports Evolut | tion in value | (10 000 eur | os) | | |
|--------------------|---------|--------------|----------------|-------------|---------|---------|------------------|
| Country | 2002 | 2003 | 2004 | 2005 | 2006 | 2007 | ∆ % 2007/2006 |
| Angola | 15.714 | 24.937 | 29.396 | 33.376 | 40.900 | 47.764 | 16,8 |
| United Kingdom | 18.715 | 16.563 | 17.355 | 21.105 | 18.880 | 22.108 | 17,1 |
| France | 17.259 | 30.955 | 26.854 | 18.996 | 18.723 | 20.426 | 9,1 |
| U.S.A | 17.608 | 13.288 | 14.018 | 15.520 | 16.626 | 18.868 | 13,5 |
| Spain | 8.211 | 10.318 | 8.230 | 7.093 | 10.805 | 15.264 | 41,3 |
| Brazil | 7.128 | 7.751 | 7.931 | 10.051 | 12.928 | 14.163 | 9,5 |
| Germany | 10.490 | 11.620 | 15.134 | 12.108 | 13.788 | 13.810 | 0,2 |
| Canada | 6.984 | 7.338 | 8.362 | 9.834 | 11.763 | 13.546 | 15,2 |
| Italy | 7.726 | 15.424 | 18.886 | 6.535 | 6.728 | 12.232 | 81,8 |
| Switzerland | 6.381 | 6.582 | 7.739 | 7.322 | 9.390 | 11.573 | 23,2 |
| Sweden | 4.998 | 4.937 | 6.690 | 7.126 | 7.451 | 6.797 | -8,8 |
| Belgium | 4.943 | 5.581 | 5.117 | 7.354 | 6.342 | 6.001 | -5,4 |
| Norway | 3.993 | 4.508 | 4.996 | 4.170 | 6.056 | 5.978 | -1,3 |
| Russian Federation | 20 | 133 | 173 | 283 | 2.509 | 5.779 | 130,3 |
| Others | 31.052 | 31.999 | 35.736 | 35.738 | 38.891 | 44.430 | 14,2 |
| Total | 161.222 | 191.936 | 206.615 | 196.612 | 221.782 | 258.739 | 16,7 |

Source: Ministério da Agricultura e Pescas, Anuário 2008

Production and Consumption data below shows how important international markets are today, and how important they have been in the past.

| Production and Consumption of Wine in Portugal | | | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--|
| | 2000/2001 | 2001/2002 | 2002/2003 | 2003/2004 | 2004/2005 | 2005/2006 | 2006/2007 | |
| Produção/ <i>Production</i> (1.000hl) | 6.709 | 7.790 | 6.677 | 7.340 | 7.481 | 7.267 | 7.543 | |
| Consumo / Consumption (1.000hl) | 4.709 | 4.652 | 5.315 | 4.911 | 4.901 | 4.700 | 4.611 | |
| Capitação (Litros/Hab/Ano) | 47,0 | 46,4 | 52,9 | 48,9 | 48,8 | 46,7 | 45,8 | |

Source: Ministério da Agricultura e Pescas, Anuário 2008

Beyond the international market opportunities, it is important to look at the structural internal changes possibilities able to provide alternatives and space for value creation based on local conditions (markets, consumer preferences, cultural and natural conditions, etc). Price differentiation is probably one of the best signs to look and evaluate the market performances (table below).

| Annual Average Prices of Bulk Table Wine in the 2007 Production year 2007 |
|---|
|---|

| | Minho | Tras-os-Montes | Beiras | Ribatejo | Extremadura | Setubal | Alentejo | Algarve | |
|--|-------|----------------|--------|----------|-------------|---------|----------|---------|--|
| Red Wine | 0,58 | 0,29 | 0,31 | 0,32 | 0,33 | 0,43 | 0,97 | 0,5 | |
| White Wine | 0,62 | 0,28 | 0,33 | 0,3 | 0,32 | 0,41 | 0,92 | 0,46 | |
| Source: Ministérie de Agriculture e Bassag, Annérie 2008 | | | | | | | | | |

Source: Ministério da Agricultura e Pescas, Anuário 2008

Regional changes are quite obvious looking at the production data below, showing the evolution in the last decade providing evidence of huge changes in the wine production regional distribution.

| Evolution of Production (in Volume) by Vitivincultural Region (in Volume) - Production Statement | | | | | | | |
|--|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| Wine Region | 2007/2008 | 2006/2007 | 2005/2006 | 2004/2005 | 2003/2004 | 2002/2003 | 2001/2002 |
| Minho | 697 176 | 937 605 | 939 564 | 987 715 | 843 175 | 835 745 | 1 446 497 |
| Tras-os-Montes | 98 128 | 232 042 | 255 798 | 225 787 | 216 345 | 224 223 | 253 730 |
| Beiras | 1 440 798 | 1 717 728 | 1 743 865 | 1 645 627 | 1 726 461 | 1 412 142 | 1 956 731 |
| Beiras | 659 218 | 1 337 992 | 1 353 938 | 1 196 325 | 1 211 920 | 1 102 113 | 1 390 412 |
| Ribatejo | 669 390 | 639 747 | 685 319 | 845 425 | 883 672 | 833 643 | 592 467 |
| Extremadura | 1 053 081 | 1 195 983 | 1 177 088 | 1 294 856 | 1 125 300 | 1 234 546 | 1 162 184 |
| Setúbal | 418 304 | 428 488 | 338 204 | 373 125 | 426 611 | 347 621 | 262 324 |
| Alentejo | 928 162 | 961 721 | 693 364 | 825 709 | 817 176 | 594 135 | 646 422 |
| Algarve | 27 385 | 31 672 | 27 955 | 24 107 | 30 962 | 20 231 | 14 723 |
| Madeira | 45 592 | 49 245 | 42 656 | 41 213 | 48 627 | 51 084 | 49 106 |
| Azores | 12 091 | 10 482 | 8 493 | 21 339 | 9 563 | 21 305 | 14 832 |
| Total | 6 049 326 | 7 542 706 | 7 266 244 | 7 481 228 | 7 339 811 | 6 676 787 | 7 789 427 |
| Source: Ministérie de Agriculture a Desses Anuérie 2009 | | | | | | | |

Evolution of Production (in Volume) by Vitivinicultural Region (in Volume) - Production Statement

Source: Ministério da Agricultura e Pescas, Anuário 2008

The analysis of the structural changes show that South region (Alentejo + Setubal + Algarve) gained in the last decade, with growth above 30% in a 6 year period, and for the same period the North region lost, with production decreases close to 50% and above that in some cases (Minho, Tras-os-Montes). Basically we have a balanced change within the country overall supply. The drivers for those changes are consumer behavior, but also marketing interventions along with natural competitive factors and economic factors.

Quality and demand behavior are also critical factors to explain the observed changes. It is well known that wine production in the North is much more connected with cultural factors and tradition then wine production in the south, which is also linked with the property land distribution and production systems. North production systems are much smaller than in the south, and a great number of the producers in the north are also producers for self-consumption purposes, carrying the surplus into the market. This is quite evident with the Vinho Verde region (Minho), with most households in agricultural regions with some production used for self-consumption. This situation is not "market dumping," but denotes a real pressure on prices that does not facilitate the existence of "good markets and prices for commercial producers." However, a well organized cooperative structure, with scale and dimension on the supply side was achieved. The sector dynamics and changes in the last years provided an evident competition among grape buyers, and producers began to face a real market in the sense that they have a choice to sell.

We have a clear paradoxical situation: the over normalized and regulated chain in wine production, together with a very active and dynamic system, have been able to provide (in the last decade) alternatives in commercialization, somewhat breaking the designed system aiming for complete producer dependence from buyers (example of the

cooperative contracts that try to compromise the producer, avoiding to give them a choice to whom to sell).

In the South we have a completly different structure and evolution of the production system. Most production areas were not in production before, and are clear new areas of vineyards with great dimension, no self-consumption oriented, and market driven. Huge investors have entered into the system, with capacity to invest in quality and marketing purposes. Intrinsic good natural conditions have also been providing low production costs, good quality, and smaller production risks than in the Northern region.

The last table also shows changes in quality choices in Alentejo, the major new production region already achieving production levels close to be the most important region in the country. Red wine gained clear advantage over "White wine," and this phenomenon resulted from revealed preferences but also from induced marketing based on health factors.

| Production in the Alentejo region | | | | | | | | |
|-----------------------------------|------------|-----------|-----------|-----------|-----------|------------|--|--|
| | | 2003/2004 | 2004/2005 | 2005/2006 | 2006/2007 | 2007/2008* | | |
| Table Wine | Red / Rosé | 22 | 17 | 18 | 27 | 40 | | |
| | White | 0 | 40 | 0 | 155 | 1 | | |
| | Total | 22 | 57 | 18 | 182 | 41 | | |
| Regional | Red / Rosé | 293 280 | 363 970 | 293 319 | 474 301 | 488 411 | | |
| Alentejo Wine | White | 144 911 | 75 769 | 54 543 | 99 963 | 59 900 | | |
| | Total | 438 191 | 439 739 | 347 862 | 574 263 | 548 311 | | |
| VEQPRD ³ | Red / Rosé | 100 | 155 | 55 | 55 | 280 | | |
| | Branco | 400 | 461 | 150 | 170 | 275 | | |
| | Total | 500 | 616 | 205 | 225 | 555 | | |
| | Red / Rosé | 36 | 80 | 68 | 102 | 129 | | |
| VLQPRD* | White | 467 | 481 | 500 | 70 | 376 | | |
| | Total | 503 | 561 | 567 | 172 | 505 | | |
| | Red / Rosé | 241 310 | 264 939 | 247 875 | 284 700 | 283 865 | | |
| VQPRD | White | 99 097 | 89 309 | 94 236 | 97 053 | 90 657 | | |
| | Total | 340 407 | 354 248 | 342 111 | 97 053 | 374 522 | | |
| Total Alentaia | Red / Rosé | 539 864 | 633 261 | 543 975 | 763 522 | 778 355 | | |
| Total Alentejo Production | White | 246 723 | 168 141 | 150 563 | 198 199 | 151 550 | | |
| | Total | 786 586 | 801 402 | 694 537 | 961 721 | 929 905 | | |

Source: Ministério da Agricultura e Pescas, Anuário 2008 * Interim Values

³ Diferent wine typology under the VQPRD definition.

^{* -} The same defined above with specific characteristics.

5. Data Analysis Discussion

The evidence provided shows the enormous changes in global terms during the last decades, with the new comers entering into competition with the traditional markets, like U.S.A., South Africa, Chile, Australia and others being able to compete under certain conditions and showing at the same time how the most traditional producers have been adapting to compete. Europe and Argentina are traditional regions which are maintaining levels of production overall across the last 40 years.

The case of Portugal was used to show the big changes introduced into the system and how correct economic policies and regulation have been important, along with the dynamics of the private sector. During quite a long time the sector regulation was basically set with regulamentation, norms and rules creating great problems to the private initiative. The private sector dynamics induced greatly by demand driven factors (fast growing income per capita after 1985 and during 1990 decade), provided the most important incentives for investments in new production. With modern perspective and production systems centered in high quality standards, along with good natural conditions together with entrepreneurs well prepared to work based on markets and marketing strategies provided the "winner factors set" to change quite rapidly. The observed changes also provide evidence that nowadays markets are functioning with price differentiation and producer choice to sell. Data on prices for 2007 show that one of the most fast growing regions (new region - Alentejo) is based on average prices almost double of the rest. The second region also with good prices is exactly the one that lost the most quantity share in production, with the opposite situation (Minho, with the "vinho Verde"). That is, this last region went through a strong effort to adapt and to compete with strong investments and also public support. Markets are also active and producers are, for the first time in many years, facing some freedom to choose the buyer, which is a necessary condition for market oriented changes.

Conclusions

To aggregate value to the raw material has always been one of the main solutions to improve agribusiness and regional development. The wine sector is probably the most important sector with tradition linking agro-production to leisure, culture and pleasure and not only to food needs. The Production Chain has been very dynamic in some regions and continues to offer opportunities to be explore, mainly when the markets work properly with competition and correct regulation. Portugal is an example of huge changes with regional structural base and local solutions rationale under strategies well adapted to the reality providing a good reference (example) of the necessary regulation in food markets (regulation needs for proper market behavior, which some times means "desregulation and desregulamentation"). Starting with a very heavy regulatory framework, the private initiative induced by demand driven factors was able to force a reasonable well functioning market, at least giving more choice to the producer to whom to sell, (which was not the traditional framework). Those changes provided the environment to strength the capacity to compete internationally.

Changes occurred very rapidly according with the induced changes and innovation rational, with the private sector depending of the markets (consumer behavior) and also from the overall regulatory environment. Cultural and historic values were shown to be present on marketing and value added strategies. The value creation chain is very dependent on the commercialization systems, scale and marketing investments. Governments, good governance and institutional background are key factors to provide a good environment for markets to work properly and induced changes occurring in the right direction.

References

- Ministério da Agricultura, do Desenvolvimento Rural e das Pescas, Vinhos e Aguardentes de Portugal, Anuário 2008, Lisboa
- FAO, Food and Agriculture Organization of the United Nations, 2009.
- Faoaostat 2009. On line data bases.
- Henriques, P.D. and M.L Carvalho, 2008. "Caracterização e Eficiência Técnica de Explorações Vitícolas da Região do Alentejo". Sober, XLVI Congresso da Sociedade Brasileira de Economia, Administração e Sociologia Rural. Brasil.
- ENOVIT Portugal. 2008. Salão Profissional de Técnicas e Equipamentos para Viticultura e Enologia. Lisboa.
- Passinhas, A. M. L. and A. J. C. de Sousa. 2007. "Gestão Estratégica para os Vinhos do Alentejo: Contributos para uma Competitividade Acrescida". Évora.
- International Organization of Vine and Wine. 2008. Site: <u>http://www.oiv.int</u>