

STUDIES ON THE CURRENT SITUATION OF PROJECTS UNSELECTED FOR FINANCING, IN THE MEAT PROCESSING SECTOR, THROUGH THE NATIONAL RURAL DEVELOPMENT PROGRAM IN ROMANIA

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Abstract

Through the National Rural Development Program (NRDP), applicants have the opportunity to create or develop a business, with public support of up to 100% of the project value, depending on the type of investment and beneficiary. The projects submitted online on the Agency for Financing Rural Investments (AFRI) website will be selected based on the "Regulation on the organization and functioning (ROF) of the process of selection and verification of appeals for projects related to the measures of the National Rural Development Program (NRDP) 2014–2020. The application for funding will be declared eligible without funding, ineligible or withdrawn by the beneficiary. The purpose of this study is to analyze the situation of submitted and unfunded projects through sub-measure 4.2 of NRDP 2014-2020, in the analysis period 2015-2019, in the field of meat processing. An analysis will be made from the point of view of the number of unfunded projects, their eligible value and their public value, and in order to have an overview, the connection between the consulting companies and the number of unfunded projects in this field will be obvious. In the period 2015-2019, 96 projects in the field of meat processing were submitted and unfunded, in which 73 were eligible without funding, 15 ineligible and 8 withdrawn projects, with a total eligible value of 76,060,938 euros (public value 40,558,548). From the correlations between the number of consulting firms and the number of unfunded projects, it results that the projects were submitted randomly, independently of the consulting firms from each county of the respective regions.

Key words: unfunded projects, eligible value, processing meat, consulting firms, measure

INTRODUCTION

In the 2014-2020 funding period, Romania received over 8.12 billion euros from the Agricultural Fund for Rural Development (EAFRD), through the National Rural Development Program (PNDR) [2]. The increase and modernization of meat processing capacities through the use of funds provided by the NRDP aims to increase the added value of agricultural products of animal origin (meat processing). Sub-measure 4.2 ("Support for investments in the processing / marketing and/or development of agricultural products") refers to the modernization and creation of processing units and the

introduction of new technologies in this field [10]. The EU food system needs to change throughout the system as it faces a number of fundamental challenges such as socio-economic issues, and strong leadership is needed to integrate these changes into the food system [3]. European funds are a good consequence of the great economic union of which we are a part, and their purpose is to increase each area that contributes to the growth of gross domestic product [7]. The development of rural entrepreneurship in Romania is strongly influenced by European funding. The European Union provides support for various areas, including rural development and agriculture [6]. In recent

years, Romania has made significant progress in meat processing and production, however, the financial performance of local companies is lower than that of EU companies [8]. The number of slaughtered animals, the average live weight on delivery, meat production, meat consumption and also exports have increased, Romania is still a net importer of meat, but a net exporter of live animals [4]. Meat imports are increasing, also the consumption of meat per capita is increasing, but also the companies in the field of meat processing are growing, in Romania [9]. As long as domestic production is not enough to cover consumption, pig farmers should be supported to increase production, otherwise they will fail and imports will continue to cover market demand due to overproduction in Western countries [5].

MATERIALS AND METHODS

For this paper we determined the situation of the projects submitted and not financed by Sub-Measure 4.2 of the National Rural Development Program 2014-2020, in the field of meat processing, in the period 2015-2019, in Romania. Data on the situation of submitted and unfunded projects were extracted from the selection reports of the Agency for Financing Rural Investments. The data thus extracted regarding the situation of unfunded projects were processed and divided in the 8 development regions of Romania. In order to have a better picture of the situation of unfunded projects, they were divided into three categories, according to the reason for non-financing: eligible without funding, ineligible, withdrawn. Correlations will be made between the number of consulting firms (x) and the number of unfunded projects (y) at the level of the counties in each region, in order to analyze whether the consulting firms had any influence on the submitted and unfunded projects.

The equation used for the correlation coefficient is:

$$r = \frac{\sum(x_i - \bar{X})(y_i - \bar{Y})}{\sqrt{(\sum(x_i - \bar{X})^2)(\sum(y_i - \bar{Y})^2)}}$$

where: \bar{X} and \bar{Y} - are the averages for samples, average (matrix1) and average (matrix2).

In the analysis, the values of the correlation coefficient (r) and of the coefficient of determination will be presented (R^2).

RESULTS AND DISCUSSIONS

In the period 2015 - 2019, through sub-measure 4.2 of NRDP 2014-2020, a total of 53 projects were financed, in the field of meat processing capacity development, with a total eligible value of 125,982,731 euros and a total public value of 62,696,276 euro. Most of the projects were financed in the North-West Development Region (13 projects), and in the Bucharest Ilfov Development Region only one project was financed (Table 1).

In the period 2015-2019, at national level were submitted and unfunded, through Submeasure 4.2 of PNDR 2014-2020, a total of 96 projects, where 73 were eligible without funding, 15 were ineligible and 8 were withdrawn, having the value eligible amount of 76,060,938 euros and the public value of 40,558,548 euros. Most submitted and unfunded projects are in the West Region with a number of 16 (eligible value 6,252,458 euros), and the fewest are in the Bucharest Ilfov Region with 4 unfunded submitted projects (eligible value 1,364,166 euros, projects submitted and unfunded by Submeasure 4.2, in the period 2015-2019, through PNDR 2014-2020 (Table 2 and Table 3). In the period 2015-2019, in the North-East Region, a total of 7 projects were submitted and unfunded, through Sub-Measure 4.2 of PNDR 2014-2020, where 5 were eligible without funding, 2 were ineligible, having the eligible value of 3.86,6247 euros and the public value of 1,960,868 euros (Table 4 and Table 5). In the South-East Development Region, 15 projects were submitted and unfunded through sub-measure 4.2, of which 12 eligible without funding, 1 ineligible and 2 withdrawn projects, with a total eligible value

of 10,169,454 euros, and the public value of 5,136,359 euros, through PNDR 2014-2020, in the period 2015-2019 (Table 6 and Table 7). In the South Muntenia Development without funding, 1 ineligible project and one withdrawn project, with total value eligible amount of 21,427,236 euros, and the public value having the value of 10,171,172.5 euros (Table 8 and Table 9). In the South-West Oltenia Development Region, a total of 11 projects were submitted and unfunded in the field of processing through Sub-Measure 4.2 of PNDR 2014-2020, of which 7 were eligible without funding, 2 ineligible projects and 2 withdrawn projects, with value total eligible amount of 13,165,461 euros, and public value of 6,424,906 euros, between 2015-2019 (Table 10 and Table 11). In the West Development Region, a total of 16 projects were submitted and unfunded, in the field of processing by Sub-Measure 4.2 of PNDR 2014-2020, of which 15 were eligible without funding and one withdrawn project, with a total eligible value of 6,252,458 euros, and public value of 3,162,356 euros, in the period 2015-2019 (Table 12 and Table 13).

In the North West Development Region, a total of 12 projects were submitted and

Region were submitted and unfunded by sub-measure 4.2 of PNDR 2014-2020, in the period 2015-2019, a total of 15 projects, of which 13 are eligible unfunded, in the field of processing by Sub-Measure 4.2 of PNDR 2014-2020, of which 10 were eligible without funding, and 2 ineligible projects, with a total eligible value of 8,064,956 euro, and the public value of 5,694,614 euro, in the period 2015-2019 (Table 14 and Table 15). In the Center Development Region were submitted and unfunded, in the field of meat processing through Sub-Measure 4.2 of PNDR 2014-2020, a total of 16 projects, of which 9 were eligible without funding, 6 ineligible projects and 1 a withdrawn project, with value eligible total of 9,989,136 euros, and the public value of 6,114,786 euros, in the period 2015-2019 (Table 16 and Table 17).

In the Bucharest Ilfov Development Region, a total of 4 projects were submitted and unfunded, in the field of meat processing through Sub-Measure 4.2 of PNDR 2014-2020, of which one eligible without financing and 4 withdrawn, with an eligible value of 1,364,166 euros, and the public value of 682,082 euros (Table 18 and Table 19).

Table 1. Situation of funded projects at national level

Year	Development Region								Total Projects	Total Eligible Value (Euro)	Total Public Value (Euro)
	North East	South East	South Muntenia	South-West Oltenia	West	North West	Center	Bucharest Ilfov			
2015	1	1	1	0	0	1	0	0	4	2,185,556	1,092,778
2016	2	0	1	1	2	0	2	0	8	27,066,427	12,439,399
2017	5	0	1	1	2	4	4	1	18	41,183,117	18,969,048
2018	1	3	0	1	2	4	1	0	12	27,678,971	15,599,513
2019	1	2	1	1	1	4	1	0	11	27,868,660	14,595,538
Total	10	6	4	4	7	13	8	1	53	125,982,731	62,696,276

Source: Own calculation according to the data www.afir.info (02.08.2020) [1].

Table 2. Value of unfunded projects at national level (euro)

Year	Value	Development Region								Total
		North East	South East	South Muntenia	South-West Oltenia	West	North West	Center	Bucharest Ilfov	
2015	Eligible	0	0	0	0	0	0	0	0	0
	Public	0	0	0	0	0	0	0	0	0
2016	Eligible	0	2,554,580	659,646	0	5,000,000	0	171,780	0	8,386,006
	Public	0	1,267,080	329,823	0	2,500,000	0	85,890	0	4,182,793
2017	Eligible	2,210,063	0	941,850	0	0	0	94,986	0	3,246,899
	Public	1,105,01	0	470,925	0	0	0	47,493	0	1,623,449
2018	Eligible	0	3,528,355	0	0	0	675,315	0	0	4,203,670
	Public	0	1,764,177	0	0	0	270,126	0	0	2,034,303
2019	Eligible	3,418,008	4,086,519	19,825,740	13,165,461	1,252,458	7,389,641	9,722,370	1,364,166	60,224,363
	Public	2,067,241	2,105,102	9,370,424.5	6,424,906	662,356	5,424,488	5,981,403	682,082	32,718,003
2019	Eligible	5,628,071	10,169,454	21,427,236	13,165,461	6,252,458	8,064,956	9,989,136	1,364,166	76,060,938
	Public	3,172,272	5,136,359	10,171,173	6,424,906	3,162,356	5,694,614	6,114,786	682,082	40,558,548

Source: Own calculation according to the data www.afir.info (02.08.2020) [1].

Regarding the situation of the financed projects, it is observed that in 2017 there were 18 projects submitted and financed, with an

eligible value of 41,183,117 euros and a public value of 18,969,048 euros, being the year with the highest number of projects and

the invested value the higher In the first reference year, respectively 2015, there were only 4 projects submitted and financed, with an eligible value of 2,185,556 euros, and the public value of 1,092,778 euros. Out of the

total projects financed, in this analyzed period, in the North - West Region there were 13 projects, and the fewest projects financed were in Bucharest - Ilfov, only one project financed (Table 1).

Table 3. Number of unfunded projects at national level

		2015		2016		2017		2018		2019		Total	
North- East	E.V.F. ¹	0	0	0	0	0	2	0	0	4	5	4	7
	I. ²	0		0		2		0		1		3	
	W. ³	0		0		0		0		0		0	
South- East	E.V.F.	0	0	0	1	0	0	0	1	12	13	12	15
	I.	0		1		0		0		0		1	
	W.	0		0		0		1		1		2	
South Muntenia	E.V.F.	0	0	0	1	0	1	0	0	13	13	13	15
	I.	0		0		1		0		0		1	
	W.	0		1		0		0		0		1	
South-West Oltenia	E.V.F.	0	0	0	0	0	0	0	0	7	11	7	11
	I.	0		0		0		0		2		2	
	W.	0		0		0		0		2		2	
West	E.V.F.	0	0	0	1	0	0	0	0	15	15	15	16
	I.	0		0		0		0		0		0	
	W.	0		1		0		0		0		1	
North West	E.V.F.	0	0	0	0	0	0	1	1	10	11	10	12
	I.	0		0		0		0		1		2	
	W.	0		0		0		0		0		0	
Center	E.V.F.	0	0	0	2	0	1	0	0	9	13	9	16
	I.	0		1		1		0		4		6	
	W.	0		1		0		0		0		1	
Buch. - Ilfov	E.V.F.	0	0	0	0	0	0	0	0	3	4	3	4
	I.	0		0		0		0		1		0	
	W.	0		0		0		0		0		1	
Total	E.V.F.	0	0	0	5	0	4	0	2	73	85	73	96
	I.	0		2		4		1		8		15	
	W.	0		3		0		1		4		8	

¹eligible without funding; ²ineligible; ³withdrawn.

Source: Own calculation according to the data www.afir.info (02.08.2020) [1].

Table 4. Value of unfunded projects in the North-East Region (Euro)

Year	Value	North-East Region						Total Eligible Value	Total Public Value
		Bacău	Botoșani	Iași	Neamț	Suceava	Vaslui		
2015	Eligible	0	0	0	0	0	0	0	0
	Public	0	0	0	0	0	0		
2016	Eligible	0	0	0	0	0	0	0	0
	Public	0	0	0	0	0	0		
2017	Eligible	1,246,673	0	0	0	963,390	0	2,210,063	1,105,031
	Public	623,336	0	0	0	481,695	0		
2018	Eligible	0	0	0	0	0	0	0	0
	Public	0	0	0	0	0	0		
2019	Eligible	67,650	138,726	0	0	0	1,449,808	1,656,184	855,837
	Public	33,825	97,108	0	0	0	724,904		
Total	Eligible	1,314,323	138,726	0	0	963,390	1,449,808	3,86,6247	1,960,868
	Public	657,161	97,108	0	0	481,695	724,904		

Source: Own calculation according to the data www.afir.info (05.08.2020) [1].

Table 5. Number of unfunded projects in the North East

		2015		2016		2017		2018		2019		Total	
Bacău	E.V.F. ¹	0	0	0	0	0	1	0	0	1	1	1	2
	I. ²	0		0		1		0		0		1	
	W. ³	0		0		0		0		0		0	
Botoșani	E.V.F.	0	0	0	0	0	0	0	0	1	1	1	1
	I.	0		0		0		0		0		0	
	W.	0		0		0		0		0		0	
Iași	E.V.F.	0	0	0	0	0	0	0	0	0	0	0	0
	I.	0		0		0		0		0		0	
	W.	0		0		0		0		0		0	
Neamț	E.V.F.	0	0	0	0	0	0	0	0	0	0	0	0
	I.	0		0		0		0		0		0	
	W.	0		0		0		0		0		0	
Suceava	E.V.F.	0	0	0	0	0	1	0	0	2	2	2	3
	I.	0		0		1		0		0		1	
	W.	0		0		0		0		0		0	
Vaslui	E.V.F.	0	0	0	0	0	0	0	0	1	1	1	1
	I.	0		0		0		0		0		0	
	W.	0		0		0		0		0		0	
Total	E.V.F.	0	0	0	0	0	2	0	0	5	5	5	7
	I.	0		0		2		0		0		2	
	W.	0		0		0		0		0		0	

¹eligible without funding; ²ineligible; ³withdrawn.

Source: Own calculation according to the data www.afir.info (05.08.2020) [1].

Table 6. Value of unfunded projects in the South-East Region (Euro)

Year	Value	South – East Region						Total Eligible Value	Total Public Value
		Brăila	Buzău	Constanța	Galați	Tulcea	Vrancea		
2015	Eligible	0	0	0	0	0	0	0	0
	Public	0	0	0	0	0	0		
2016	Eligible	0	0	2,554,580	0	0	0	2,554,580	1,267,080
	Public	0	0	1,267,080	0	0	0		
2017	Eligible	0	0	0	0	0	0	0	0
	Public	0	0	0	0	0	0		
2018	Eligible	0	0	0	0	0	3,528,355	3,528,355	1,764,177
	Public	0	0	0	0	0	1,764,177		
2019	Eligible	0	3,229,076	277,943	231,000	348,500	0	4,086,519	2,105,102
	Public	0	1,676,381	138,971	115,500	174,250	0		
Total	Eligible	0	3,229,076	2,832,523	231,000	348,500	3,528,355	10,169,454	5,136,359
	Public	0	1,676,381	1,406,051	115,500	174,250	1,764,177		

Source: Own calculation according to the data www.afir.info (02.09.2020) [1].

Table 7. Number of unfunded projects in the South East

		2015		2016		2017		2018		2019		Total	
Brăila	E.V.F. ¹	0	0	0	0	0	0	0	0	0	0	0	0
	I. ²	0		0		0		0		0		0	
	W. ³	0		0		0		0		0		0	
Buzău	E.V.F.	0	0	0	0	0	0	0	0	4	4	4	4
	I.	0		0		0		0		0		0	
	W.	0		0		0		0		0		0	
Constanța	E.V.F.	0	0	0	1	0	0	0	0	1	2	1	3
	I.	0		1		0		0		0		1	
	W.	0		0		0		0		1		1	
Galați	E.V.F.	0	0	0	0	0	0	0	0	4	4	4	4
	I.	0		0		0		0		0		0	
	W.	0		0		0		0		0		0	
Tulcea	E.V.F.	0	0	0	0	0	0	0	0	3	3	3	3
	I.	0		0		0		0		0		0	
	W.	0		0		0		0		0		0	
Vrancea	E.V.F.	0	0	0	0	0	0	0	1	0	0	0	1
	I.	0		0		0		0		0		1	
	W.	0		0		0		1		0		1	
Total	E.V.F.	0	0	0	1	0	0	0	1	12	13	12	15
	I.	0		1		0		0		0		1	
	W.	0		0		0		1		1		2	

¹eligible without funding; ²ineligible; ³withdrawn.

Source: Own calculation according to the data www.afir.info (02.09.2020) [1].

Table 8. Value of unfunded projects in the South Muntenia Region (Euro)

Year	Value	South Muntenia Region							Total Eligible Value	Total Public Value
		Argeș	Călărași	Dâmbovița	Giurgiu	Ialomița	Prahova	Teleorman		
2015	Eligible	0	0	0	0	0	0	0	0	0
	Public	0	0	0	0	0	0	0		
2016	Eligible	0	0	0	0	0	659,646	0	659,646	329,823
	Public	0	0	0	0	0	329,823	0		
2017	Eligible	0	0	0	0	0	941,850	0	941,850	470,925
	Public	0	0	0	0	0	470,925	0		
2018	Eligible	0	0	0	0	0	0	0	0	0
	Public	0	0	0	0	0	0	0		
2019	Eligible	9,748,709	0	6,036,306	67,695	86,823	3,716,559	169,648	19,825,740	9,370,424.5
	Public	5,148,344	0	2,414,522	33,847.5	60,776	1,594,182	118,753		
Total	Eligible	9,748,709	0	6,036,306	67,695	86,823	5,318,055	169,648	21,427,236	10,171,172.5
	Public	5,148,344	0	2,414,522	33,847.5	60,776	2,394,930	118,753		

Source: Own calculation according to the data www.afir.info (02.09.2020) [1].

Table 9. Number of unfunded projects in South Muntenia

		2015		2016		2017		2018		2019		Total	
Argeș	E.V.F. ¹	0	0	0	0	0	0	0	0	4	4	4	4
	I. ²	0		0		0		0		0		0	
	W. ³	0		0		0		0		0		0	
Călărași	E.V.F.	0	0	0	0	0	0	0	0	0	0	0	0
	I.	0		0		0		0		0		0	
	W.	0		0		0		0		0		0	
Dâmbovița	E.V.F.	0	0	0	0	0	0	0	0	1	1	1	1
	I.	0		0		0		0		0		0	
	W.	0		0		0		0		0		0	
Giurgiu	E.V.F.	0	0	0	0	0	0	0	0	1	1	1	1
	I.	0		0		0		0		0		0	
	W.	0		0		0		0		0		0	
Ialomița	E.V.F.	0	0	0	0	0	0	0	0	1	1	1	1
	I.	0		0		0		0		0		0	
	W.	0		0		0		0		0		0	
Prahova	E.V.F.	0	0	0	1	0	1	0	0	4	4	4	6
	I.	0		0		1		0		0		1	
	W.	0		1		0		0		0		1	
Teleorman	E.V.F.	0	0	0	0	0	0	0	0	2	2	2	2
	I.	0		0		0		0		0		0	
	W.	0		0		0		0		0		0	
Total	E.V.F.	0	0	0	1	0	1	0	0	13	85	13	15
	I.	0		0		1		0		0		1	
	W.	0		1		0		0		0		1	

¹eligible without funding; ²ineligible; ³withdrawn.

Source: Own calculation according to the data www.afir.info (02.09.2020) [1].

Table 10. Value of unfunded projects in the South West Oltenia Region (Euro)

Year	Value	South West Oltenia Region					Total Eligible Value	Total Public Value
		Dolj	Gorj	Mehedinți	Olt	Vâlcea		
2015	Eligible	0	0	0	0	0	0	0
	Public	0	0	0	0	0		
2016	Eligible	0	0	0	0	0	0	0
	Public	0	0	0	0	0		
2017	Eligible	0	0	0	0	0	0	0
	Public	0	0	0	0	0		
2018	Eligible	0	0	0	0	0	0	0
	Public	0	0	0	0	0		
2019	Eligible	345,000	0	0	3,525,769	9,294,692	13,165,461	6,424,906
	Public	230,000	0	0	2,457,038	3,737,868		
Total	Eligible	345,000	0	0	3,525,769	9,294,692	13,165,461	6,424,906
	Public	230,000	0	0	2,457,038	3,737,868		

Source: Own calculation according to the data www.afir.info (03.09.2020) [1].

Table 11. Number of unfunded projects in South West Oltenia

		2015		2016		2017		2018		2019		Total	
		E.V.F. ¹	I. ²	E.V.F.	I.	E.V.F.	I.	E.V.F.	I.	E.V.F.	I.	E.V.F.	I.
Dolj	E.V.F. ¹	0	0	0	0	0	0	0	0	4	0	4	0
	I. ²	0	0	0	0	0	0	0	0	0	0	0	0
	W. ³	0	0	0	0	0	0	0	0	2	0	2	0
Gorj	E.V.F.	0	0	0	0	0	0	0	0	0	0	0	0
	I.	0	0	0	0	0	0	0	0	0	0	0	0
	W.	0	0	0	0	0	0	0	0	0	0	0	0
Mehedinți	E.V.F.	0	0	0	0	0	0	0	0	0	0	0	0
	I.	0	0	0	0	0	0	0	0	0	0	0	0
	W.	0	0	0	0	0	0	0	0	0	0	0	0
Olt	E.V.F.	0	0	0	0	0	0	0	0	2	0	2	0
	I.	0	0	0	0	0	0	0	0	0	0	0	0
	W.	0	0	0	0	0	0	0	0	0	0	0	0
Vâlcea	E.V.F.	0	0	0	0	0	0	0	0	1	0	1	0
	I.	0	0	0	0	0	0	0	0	2	0	2	0
	W.	0	0	0	0	0	0	0	0	0	0	0	0
Total	E.V.F.	0	0	0	0	0	0	0	0	7	0	7	0
	I.	0	0	0	0	0	0	0	0	2	0	2	0
	W.	0	0	0	0	0	0	0	0	2	0	2	0

¹eligible without funding; ²ineligible; ³withdrawn.

Source: Own calculation according to the data www.afir.info (03.09.2020) [1].

Table 12. Value of unfunded projects in West Region (Euro)

Year	Value	West Region				Total Eligible Value	Total Public Value
		Arad	Caras-Severin	Hunedoara	Timiș		
2015	Eligible	0	0	0	0	0	0
	Public	0	0	0	0		
2016	Eligible	5,000,000	0	0	0	5,000,000	2,500,000
	Public	2,500,000	0	0	0		
2017	Eligible	0	0	0	0	0	0
	Public	0	0	0	0		
2018	Eligible	0	0	0	0	0	0
	Public	0	0	0	0		
2019	Eligible	478,505	94,930	501,607	177,416	1,252,458	662,356
	Public	256,394	66,451	250,803	88,708		
Total	Eligible	5,478,505	94,930	501,607	177,416	6,252,458	3,162,356
	Public	2,756,394	66,451	250,803	88,708		

Source: Own calculation according to the data www.afir.info (03.09.2020) [1].

Table 13. Number of unfunded projects in the West Region

		2015		2016		2017		2018		2019		Total	
		E.V.F. ¹	I. ²	E.V.F.	I.	E.V.F.	I.	E.V.F.	I.	E.V.F.	I.	E.V.F.	I.
Arad	E.V.F. ¹	0	0	0	0	0	0	0	0	7	0	7	0
	I. ²	0	0	0	0	0	0	0	0	0	0	0	0
	W. ³	0	0	1	0	0	0	0	0	0	0	1	0
Caras Severin	E.V.F.	0	0	0	0	0	0	0	0	1	0	1	0
	I.	0	0	0	0	0	0	0	0	0	0	0	0
	W.	0	0	0	0	0	0	0	0	0	0	0	0
Hunedoara	E.V.F.	0	0	0	0	0	0	0	0	6	0	6	0
	I.	0	0	0	0	0	0	0	0	0	0	0	0
	W.	0	0	0	0	0	0	0	0	0	0	0	0
Timiș	E.V.F.	0	0	0	0	0	0	0	0	1	0	1	0
	I.	0	0	0	0	0	0	0	0	0	0	0	0
	W.	0	0	0	0	0	0	0	0	0	0	0	0
Total	E.V.F.	0	0	0	0	0	0	0	0	15	0	15	0
	I.	0	0	0	0	0	0	0	0	0	0	0	0
	W.	0	0	1	0	0	0	0	0	0	0	1	0

¹eligible without funding; ²ineligible; ³withdrawn.

Source: Own calculation according to the data www.afir.info (03.09.2020) [1].

In the West Development Region, a total of 16 projects were submitted and unfunded, in the field of processing by Sub-Measure 4.2 of PNDR 2014-2020, of which 15 were eligible

without funding and one withdrawn project, with a total eligible value of 6,252,458 euros, and public value of 3,162,356 euros, in the period 2015-2019 (Table 12 and Table 13).

Table 14. Value of unfunded projects in the North West Region (Euro)

Year	Value	North West Region						Total Eligible Value	Total Public Value
		Bihor	Bistrița-Năsăud	Cluj	Maramureș	Satu-Mare	Sălaj		
2015	Eligible	0	0	0	0	0	0	0	0
	Public	0	0	0	0	0	0		
2016	Eligible	0	0	0	0	0	0	0	0
	Public	0	0	0	0	0	0		
2017	Eligible	0	0	0	0	0	0	0	0
	Public	0	0	0	0	0	0		
2018	Eligible	0	0	675,315	0	0	0	675,315	270,126
	Public	0	0	270,126	0	0	0		
2019	Eligible	0	68,425	3,640,151	57,000	1,502,674	2,121,391	7,389,641	5,424,488
	Public	0	47,897	2,534,360	39,900	762,877	2,039,454		
Total	Eligible	0	68,425	4,315,466	57,000	1,502,674	2,121,391	8,064,956	5,694,614
	Public	0	47,897	2,804,486	39,900	762,877	2,039,454		

Source: Own calculation according to the data www.afir.info (05.09.2020) [1].

Table 15. Number of unfunded projects in the North West

		2015		2016		2017		2018		2019		Total	
		E.V.F. ¹	I. ²	W. ³	E.V.F. ¹	I. ²	W. ³	E.V.F. ¹	I. ²	W. ³	E.V.F. ¹	I. ²	W. ³
Bihor	E.V.F. ¹	0	0	0	0	0	0	0	0	0	0	0	0
	I. ²	0	0	0	0	0	0	0	0	0	0	0	0
	W. ³	0	0	0	0	0	0	0	0	0	0	0	0
Bistrița Năsăud	E.V.F. ¹	0	0	0	0	0	0	0	0	0	0	0	0
	I. ²	0	0	0	0	0	0	0	0	0	0	0	0
	W. ³	0	0	0	0	0	0	0	0	0	0	0	0
Cluj	E.V.F. ¹	0	0	0	0	0	0	0	0	0	0	0	0
	I. ²	0	0	0	0	0	0	0	0	0	0	0	0
	W. ³	0	0	0	0	0	0	0	0	0	0	0	0
Maramureș	E.V.F. ¹	0	0	0	0	0	0	0	0	0	0	0	0
	I. ²	0	0	0	0	0	0	0	0	0	0	0	0
	W. ³	0	0	0	0	0	0	0	0	0	0	0	0
Satu Mare	E.V.F. ¹	0	0	0	0	0	0	0	0	0	0	0	0
	I. ²	0	0	0	0	0	0	0	0	0	0	0	0
	W. ³	0	0	0	0	0	0	0	0	0	0	0	0
Sălaj	E.V.F. ¹	0	0	0	0	0	0	0	0	0	0	0	0
	I. ²	0	0	0	0	0	0	0	0	0	0	0	0
	W. ³	0	0	0	0	0	0	0	0	0	0	0	0
Total	E.V.F. ¹	0	0	0	0	0	0	0	0	0	0	0	0
	I. ²	0	0	0	0	0	0	0	0	0	0	0	0
	W. ³	0	0	0	0	0	0	0	0	0	0	0	0

¹eligible without funding; ²ineligible; ³withdrawn.

Source: Own calculation according to the data www.afir.info (05.09.2020) [1].

Table 16. The value of unfunded projects in the Center (Euro)

Year	Value	Center Region						Total Eligible Value	Total Public Value
		Alba	Brașov	Covasna	Harghita	Mureș	Sibiu		
2015	Eligible	0	0	0	0	0	0	0	0
	Public	0	0	0	0	0	0		
2016	Eligible	0	171,780	0	0	0	0	171,780	85,890
	Public	0	85,890	0	0	0	0		
2017	Eligible	94,986	0	0	0	0	0	94,986	47,493
	Public	47,493	0	0	0	0	0		
2018	Eligible	0	0	0	0	0	0	0	0
	Public	0	0	0	0	0	0		
2019	Eligible	2,400,440	3,797,652	0	52,056	3,472,222	0	9,722,370	5,981,403
	Public	1,627,709	2,591,555	0	26,028	1,736,111	0		
Total	Eligible	2,495,426	3,969,432	0	52,056	3,472,222	0	9,989,136	6,114,786
	Public	1,675,202	2,677,445	0	26,028	1,736,111	0		

Source: Own calculation according to the data www.afir.info (05.09.2020) [1].

Table 17. Number of unfunded projects in the Center

		2015		2016		2017		2018		2019		Total	
		E.V.F. ¹	I. ²	W. ³	E.V.F. ¹	I. ²	W. ³	E.V.F. ¹	I. ²	W. ³	E.V.F. ¹	I. ²	W. ³
Alba	E.V.F. ¹	0	0	0	0	0	0	0	0	0	0	0	0
	I. ²	0	0	0	0	0	0	0	0	0	0	0	0
	W. ³	0	0	0	0	0	0	0	0	0	0	0	0
Brașov	E.V.F. ¹	0	0	0	0	0	0	0	0	0	0	0	0
	I. ²	0	0	0	0	0	0	0	0	0	0	0	0
	W. ³	0	0	0	0	0	0	0	0	0	0	0	0
Covasna	E.V.F. ¹	0	0	0	0	0	0	0	0	0	0	0	0
	I. ²	0	0	0	0	0	0	0	0	0	0	0	0
	W. ³	0	0	0	0	0	0	0	0	0	0	0	0
Harghita	E.V.F. ¹	0	0	0	0	0	0	0	0	0	0	0	0
	I. ²	0	0	0	0	0	0	0	0	0	0	0	0
	W. ³	0	0	0	0	0	0	0	0	0	0	0	0
Mureș	E.V.F. ¹	0	0	0	0	0	0	0	0	0	0	0	0
	I. ²	0	0	0	0	0	0	0	0	0	0	0	0
	W. ³	0	0	0	0	0	0	0	0	0	0	0	0
Sibiu	E.V.F. ¹	0	0	0	0	0	0	0	0	0	0	0	0
	I. ²	0	0	0	0	0	0	0	0	0	0	0	0
	W. ³	0	0	0	0	0	0	0	0	0	0	0	0
Total	E.V.F. ¹	0	0	0	0	0	0	0	0	0	0	0	0
	I. ²	0	0	0	0	0	0	0	0	0	0	0	0
	W. ³	0	0	0	0	0	0	0	0	0	0	0	0

¹eligible without funding; ²ineligible; ³withdrawn.

Source: Own calculation according to the data www.afir.info (05.09.2020) [1].

Table 18. The value of projects in Bucharest - Ilfov

Year	Value	Bucharest	Ilfov	Total Eligible Value	Total Public Value
2015	Eligible	0	0	0	0
	Public	0	0		
2016	Eligible	0	0	0	0
	Public	0	0		
2017	Eligible	0	0	0	0
	Public	0	0		
2018	Eligible	0	0	0	0
	Public	0	0		
2019	Eligible	1,066,646	297,520	1,364,166	682,082
	Public	533,323	148,759		
Total	Eligible	1,066,646	297,520	1,364,166	682,082
	Public	533,323	148,759		

Source: Own calculation according to the data www.afir.info (10.09.2020).

Table 19. Number of projects in Bucharest Ilfov

		2015	2016	2017	2018	2019	Total
Bucharest	E.V.F. ¹	0	0	0	0	1	1
	I. ²	0	0	0	0	0	0
	W. ³	0	0	0	0	0	0
Ilfov	E.V.F.	0	0	0	0	2	2
	I.	0	0	0	0	0	0
	W.	0	0	0	0	1	1
Total	E.V.F.	0	0	0	0	3	3
	I.	0	0	0	0	0	0
	W.	0	0	0	0	1	1

¹eligible without funding; ²ineligible; ³withdrawn.

Source: Own calculation according to the data www.afir.info (10.09.2020) [1].

Table 20. Number of consulting companies, number of unfunded projects

Region	County	Number of consulting companies *	Number of unfunded projects
Nord Est	Bacau	273	2
	Botosani	62	1
	Iasi	503	0
	Neamt	181	0
	Suceava	185	3
	Vaslui	80	1
Sud Est	Braila	112	0
	Buzau	199	4
	Constanta	530	3
	Galati	244	4
	Tulcea	70	3
	Vrancea	139	1
Sud Muntenia	Arges	323	4
	Călărași	67	0
	Dâmbovița	191	1
	Giurgiu	74	1
	Ialomița	67	1
	Prahova	540	6
Sud Vest Oltenia	Teleorman	72	2
	Dolj	344	6
	Gorj	90	0
	Mehedinti	60	0
	Olt	107	2
	Valcea	130	3
Vest	Arad	331	8
	Caras-Severin	80	1
	Hunedoara	171	6
	Timiș	861	1
	Bihor	624	0
	Bistrița-Năsăud	129	1
Nord-Vest	Cluj	1309	3
	Maramureș	199	1
	Satu-Mare	157	3
	Sălaj	102	4
	Alba	193	9
	Brașov	585	5
Centru	Covasna	80	0
	Harghita	160	1
	Mureș	334	1
	Sibiu	381	0
	București	7729	1
	Ilfov	1190	3
Total		19258	96

Source: Own calculation.

*[https://www.topfirme.com/judet/caen/7022/numar-agenti-economici/\(10.09.2020\)](https://www.topfirme.com/judet/caen/7022/numar-agenti-economici/(10.09.2020)) [1].

There is a correlation coefficient of -0.2705 between the number of consulting firms and the number of unfunded projects, respectively a low inverse dependence between the two aspects. The determination coefficient R² has

the value of 0.0732 for the linear function and the values of 0.33, 0.35, 0.36 and 1 for polynomial functions of degree 2, 3, 4 and 5, respectively. Consequently, there is a correlation between the analyzed factors, but

no mathematical model can be recommended for use (Figure 1).

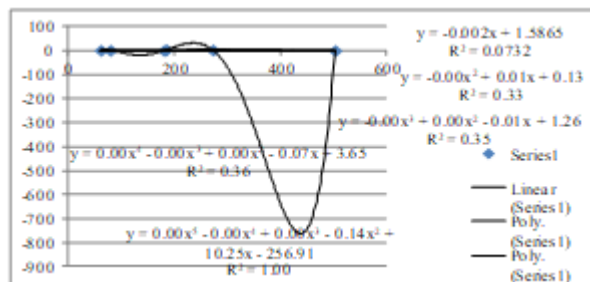


Fig. 1. Correlation between the number of consulting firms and the number of unfunded projects in the North-East Region
Source: Own design.

Between the number of consulting firms and the number of funded projects there is a correlation coefficient of 0.3490, so a direct dependence, reduced between the two aspects. The coefficient of determination R2 has values of 0.12, 0.27, 0.71 and for the linear and polynomial functions of degree 2, 3 and 4, it highlights the connection between the two variables (Figure 2).

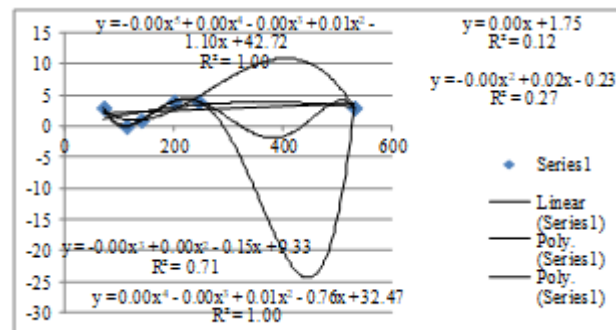


Fig. 2. Correlation between the number of consulting firms and the number of unfunded projects in the South-East Region.
Source: Own design.

Between the number of consulting firms and the number of funded projects there is a correlation coefficient of 0.9338, so a direct, strong dependence between the aspects. The coefficient of determination R2 has values of 0.872 for the linear function and 0.88, 0.92, 0.95 and 0.98 respectively for the polynomial functions of degree 2, 3, 4 and respectively 5. Starting with the polynomial function of degree 2 an increasing correlation can be considered stronger between the 2 aspects (Figure 3).

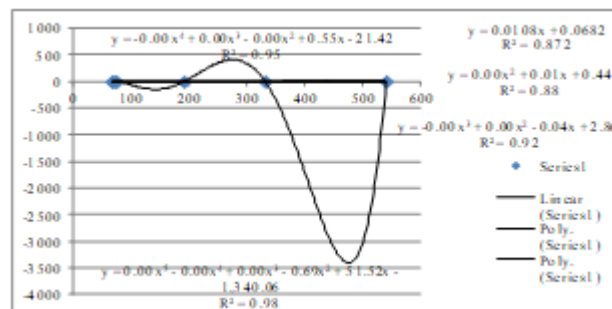


Fig. 3. Correlation between the number of consulting firms and the number of unfunded projects in the South Muntenia Region
Source: Own design.

Between the number of consulting firms and the number of funded projects there is a correlation coefficient of 0.9376, so a dependency direct, strong between the aspects. The determination coefficient R2 has values of 0.8792 for the linear function and 0.9439, 0.9753, respectively 1 for the polynomial functions of degree 2, 3 and 4 respectively. Starting with the polynomial function of degree 2 we can consider an increasingly strong correlation between the 2 aspects (Figure 4).

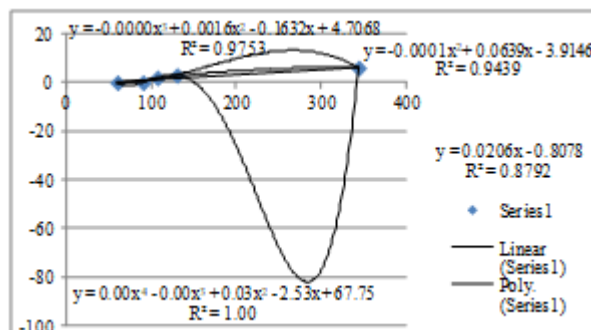


Fig. 4. Correlation between the number of consulting firms and the number of unfunded projects in the South West Oltenia Region
Source: Own design.

Between the number of consulting firms and the number of financed projects there is a correlation coefficient of -0.3102, respectively a strong inverse dependence between the 2 variables. The coefficient of determination R2 has values of 0.0963 for the linear function and 0.9506 respectively 1 for the polynomial functions of degree 2. Starting with the polynomial function of degree 2, an increasingly strong correlation between the 2 aspects can be considered (Figure 5).

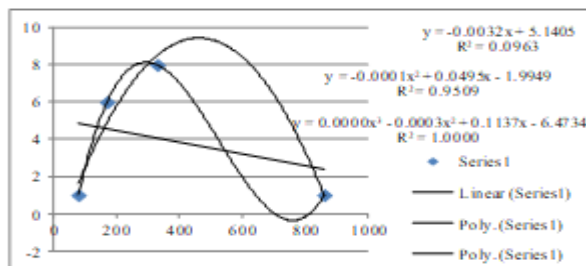


Fig. 5. Correlation between the number of consulting firms and the number of unfunded projects in the Western Region
Source: Own design.

Between the number of consulting firms and the number of funded projects there is a correlation coefficient of 0.0251, so a direct dependence, reduced between the aspects. The coefficient of determination R^2 has values of 0.006, 0.5739, 0.6536, 0.6670 and 1 for the linear and polynomial functions of degree 2, 3, 4 and 5 highlight the connection between the two variables (Figure 6).

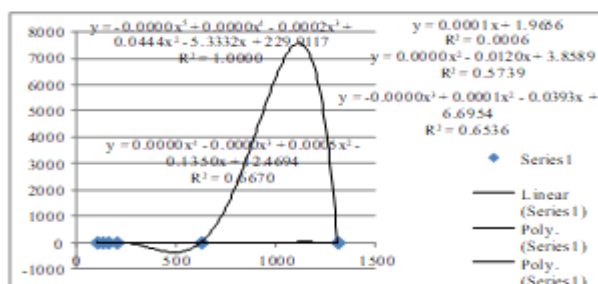


Fig. 6. Correlation between the number of consulting firms and the number of unfunded projects in the North West Region
Source: Own design.

Between the number of consulting firms and the number of funded projects there is a correlation coefficient of 0.1615, so a direct dependence, reduced between the aspects.

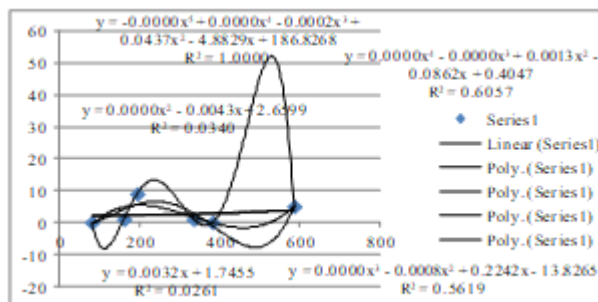


Fig. 7. Correlation between the number of consulting firms and the number of unfunded projects in the Center Region
Source: Own design.

The coefficient of determination R^2 has values of 0.0261, 0.0340, 0.5619, 0.6057 and 1 for the linear and polynomial functions of degree 2, 3, 4 and 5 highlight the connection between the two variables (Figure 7).

CONCLUSIONS

In the period 2015-2019, at national level were submitted and unfunded, through Submeasure 4.2 of PNDR 2014-2020, a total of 96 projects, where 73 were eligible without funding, 15 were ineligible and 8 were withdrawn, having the value eligible amount of 76,060,938 euros and the public value of 40,558,548 euros. Most are in the West Region with a number of 16 (eligible value 6,252,458 euros), and the fewest are in the Bucharest Ilfov Region with 4 unfunded projects submitted (eligible value 1,364,166 euros).

From the correlations between the number of consulting firms and the number of unfunded projects, it results that the projects were submitted randomly, independently of the consulting firms from each county of the respective regions.

In the period 2015 - 2019, through submeasure 4.2 of PNDR 2014-2020, a total of 53 projects were financed, in the field of meat processing capacity development, with a total eligible value of 125,982,731 euros and a total public value of 62,696,276 euros.

REFERENCES

- [1]AFIR, Agency for Financing Rural Investments, <https://www.afir.info/>, Accessed on July 10, 2020.
- [2]Dinu, M., Pătărlăgeanu, S. R., Chiripuci, B., Constantin, M., 2020, Accessing the European Funds for Agriculture and Rural Development in Romania for the 2014-2020 Period. Proceedings of the International Conference on Business Excellence 14(1):717–27.
- [3]Jackson, P., 2020, A Sustainable Food System for the European Union. SAPEA, Science Advice for Policy by European Academies.
- [4]Pirvutoiu, I., Popescu Agatha, 2010, Some aspects concerning the actual statement of meat Market in Romania. Agricultural Management / Lucrari Stiintifice Seria I, Management Agricol, 12(2):1–8.
- [5]Popescu Agatha, 2016, Research on Concentration of Pork Production in Romania. Scientific Papers-Series Management Economic Engineering in Agriculture and Rural Development 16(1):405–410.

- [6]Puie, F., 2020, Rural Development Beyond EAFRD - Enhancing Romanian Rural Entrepreneurship Through Complementary EU Funds and Projects. Scientific Papers: Management, Economic Engineering in Agriculture & Rural Development 20(2):395–402.
- [7]Ranf, D. E., Gorski, H., 2020, Analysis of the Current Stage of the European Funds Absorption in the Financing Period 2014-2020. International Conference Knowledge-based Organization 26(2):94–98.
- [8]Stanciu, S., Rizea, R. D., Ilie, A. G., 2015, Study on the Competitiveness of the Romanian Meat Processing Industry, Amfiteatru Economic Journal 17 (Special No. 9):1331–1345.
- [9]Uliu, D. V., Vladu, M., 2019, Studies on Meat Sources to Cover Processing, Consumption and Trade Needs, Scientific Papers-Series Management Economic Engineering in Agriculture and Rural Development 19(4):361–366.
- [10]Uliu, D. V., Vladu, M., 2020, Researches Regarding the Increase and Modernization of the Meat Processing Capacities by Using the Funds Offered Through the National Rural Development Program in the North West Development Region., Scientific Papers-Series Management Economic Engineering in Agriculture and Rural Development 20(1):593-598.

