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## ANALYSIS OF RESOURCE POTENTIAL OF UKRAINE REGIONS

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## АНАЛІЗ РЕСУРСНОГО ПОТЕНЦІАЛУ РЕГІОНІВ УКРАЇНИ

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## АНАЛИЗ РЕСУРСНОГО ПОТЕНЦИАЛА РЕГИОНОВ УКРАИНЫ

The article analyzes the resource potential of the regions of Ukraine. Ranking of the regions of Ukraine according to indicators such as the gross regional product, the volume of industrial production sold, the production of agricultural products, the volume of services sold to different consumers, the retail turnover, the existing income and expenditure of the population, the volume of exports and imports, and the use of fuel and energy resources in the calculation per capita. The rating of dynamic changes in these indicators is given and the regions of Ukraine were grouped, resulting in the identification of region-leaders, promising regions, intermediate regions and outsiders regions.

**Keywords:** resource potential; productive forces; region; modernization; globalization.

*Fig.: 1. Table: 14. References: 17.*

У статті проаналізовано ресурсний потенціал регіонів України. Проведено ранжування регіонів України за такими показниками, як валовий регіональний продукт, обсяг реалізованої промислової продукції, виробництво продукції сільського господарства, обсяг реалізованих послуг різним споживачам, роздрібний товарооборот, наявний дохід та витрати населення, обсяги експорту й імпорту та використання паливно-енергетичний ресурсів у розрахунку на одну особу населення. Наведено рейтингову оцінку динамічних змін цих показників та проведено групування регіонів України, у результаті чого виявлено регіони-лідери, перспективні регіони, проміжні регіони та регіони-аутсайтери.

**Ключові слова:** ресурсний потенціал; продуктивні сили; регіон; модернізація; глобалізація.

*Рис.: 1. Табл.: 14. Бібл.: 17.*

В статье проанализированы ресурсный потенциал регионов Украины. Проведено ранжирование регионов Украины по таким показателям, как валовой региональный продукт, объем реализованной промышленной продукции, производство продукции сельского хозяйства, объем реализованных услуг различным потребителям, розничный товарооборот, располагаемый доход и расходы населения, объемы экспорта и импорта и использования топливно-энергетических ресурсов в расчете на душу населения. Приведены рейтинговую оценку динамических изменений этих показателей и проведения группировки регионов Украины, в результате чего выявлено регионы-лидеры, перспективные регионы, промежуточные регионы и регионы-аутсайдеры.

**Ключевые слова:** ресурсный потенциал; производительные силы; регион; модернизация; глобализация.

*Рис.: 1. Табл.: 14. Библ.: 17.*

**JEL Classification:** R11

**Problem statement.** At the present stage of development of the society, there are significant regional differences in the resource potential of the regions of Ukraine, which is caused by the rapid pace of economic growth and increasing levels of population consumption. In today's globalized conditions, when the need for a national economy in resources is not only not reduced, but, on the contrary, is gaining momentum, it is important to study the current state and trends of development of the main specific indicators characterizing the resource potential of the regions of Ukraine.

**Analysis of recent research hand publications.** Literature on resource potential and the development of a regional economy is devoted to many scientific works of domestic economists, among which O. M. Alimov, O. I. Amosha B. V. Burkina, M. P. Butko, Z. S. Varnal, K. O. Vashchenko, V. P. Vishnevsky, V. E. Vorotin, V. M. Heyets, Z. V. Gerasimchuk, B. M. Danylyshyn, M. I. Dolishniy, S. I. Doroguntsov, V. I. Zakharchenko, I. I. Lukinov, S. V. Mocherny, T. V. Pepa, M. I. Tugan-Baranovsky, L. G. Chernyuk, M. G. Chumachenko, A. A. Chukhno S. M. Scharlet etc.

**Selection of previously unsettled parts of the general problem.** An analysis of the results of scientific works indicates the relevance of regional resource issues, but despite numerous studies, monitoring of resource potential needs further research and analysis.

**The purpose of the article** is an analysis of the resource potential of the regions of Ukraine.

## ПРОБЛЕМИ МЕНЕДЖМЕНТУ ТА РОЗВИТКУ ПРОДУКТИВНИХ СИЛ РЕГІОНУ

**Statement material.** Among the main specific indicators characterizing the resource potential of the regions of Ukraine should be noted: gross regional product, volumes of industrial production sold, agricultural production, volume of services rendered, retail turnover, incomes and expenditures of the population, export and import, use of fuel and energy resources (per capita population), as well as natural resource potential and environmental protection [11].

In addition to the above mentioned indicators, others can be used in the analysis of the resource potential of the regions of Ukraine.

In Table 1 shows the data characterizing the observed changes in the indicator for the period 2010-2016. In 2016, the regions-leaders in terms of gross regional product per capita were Kyiv city (UAH 191 736), Poltavaska (UAH 81 145), Dnipropetrovska (UAH 75 396), Kyivska (UAH 74 216) and Zaporizka (UAH 59 729), which occupied the first five places in the rating (Fig.).

Table 1

*Dynamics of gross regional product (per capita population) for 2010-2016 [1-10; 12-17]*

Regions	GRP per persom, UAH							Rank, 2016	Change 2016-2015, UAH	Change 2016-2010, UAH
	2010	2011	2012	2013	2014	2015	2016			
<b>Ukraine</b>	<b>23600</b>	<b>28488</b>	<b>32002</b>	<b>33473</b>	<b>36904</b>	<b>46413</b>	<b>55899</b>	–	–	–
AR Krym	16507	19467	22675	23595	–	–	–	–	–	–
Vinnytska	14332	17768	20253	22303	27249	37270	46615	11	9345	32283
Volynska	13916	16993	19249	19817	23218	30387	34310	19	3923	20394
Dnipropetrovska	34709	42068	44650	46333	53749	65897	75396	3	9499	40687
Donetska	28986	36446	38907	37830	27771	26864	32318	21	5454	3332
Zhytomyrska	14616	17184	19551	20286	23678	30698	38520	15	7822	23904
Zakarpatska	12278	14455	17088	17044	19170	22989	25727	23	2738	13449
Zaporizka	23657	27567	30656	30526	37251	50609	59729	5	9120	36072
Ivano-Frankivska	14814	19386	23379	24022	27232	33170	37220	17	4050	22406
Kyivska	26140	34420	40483	39988	46058	60109	74216	4	14107	48076
Kirovohradska	15533	19918	22082	25533	29223	39356	47469	10	8113	31936
Luhanska	19788	25067	25950	24514	14079	10778	14251	25	3473	-5537
Lvivska	16353	20490	24387	24937	28731	37338	45319	12	7981	28966
Mykolaiivska	20276	23402	24838	27355	30357	41501	50091	8	8590	29815
Odeska	22544	25748	27070	29118	31268	41682	50159	7	8477	27615
Poltavska	29652	35246	38424	39962	48040	66390	81145	2	14755	51493
Rivnenska	13785	16735	18860	19003	24762	30350	33958	20	3608	20173
Sumska	15711	19800	21722	23517	26943	37170	41741	13	4571	26030
Ternopil'ska	11713	15055	16644	16819	20228	24963	29247	22	4284	17534
Kharkivska	23639	27966	29972	31128	35328	45816	57150	6	11334	33511
Khersonska	14346	16990	17910	19311	21725	30246	36585	18	6339	22239
Khmelnyska	13602	17260	19920	20165	24662	31660	37881	16	6221	24279
Cherkaska	17325	21082	24558	26168	30628	40759	48025	9	7266	30700
Chernivetska	10939	13228	14529	15154	16552	20338	23365	24	3027	12426
Chernihivska	15406	19357	22096	22603	26530	35196	41726	14	6530	26320
Kyiv	70424	79729	97429	109402	124163	155904	191736	1	35832	121312
Sevastopol	20455	24564	25872	28765	–	–	–	–	–	–

Source: [1-10; 12-17].

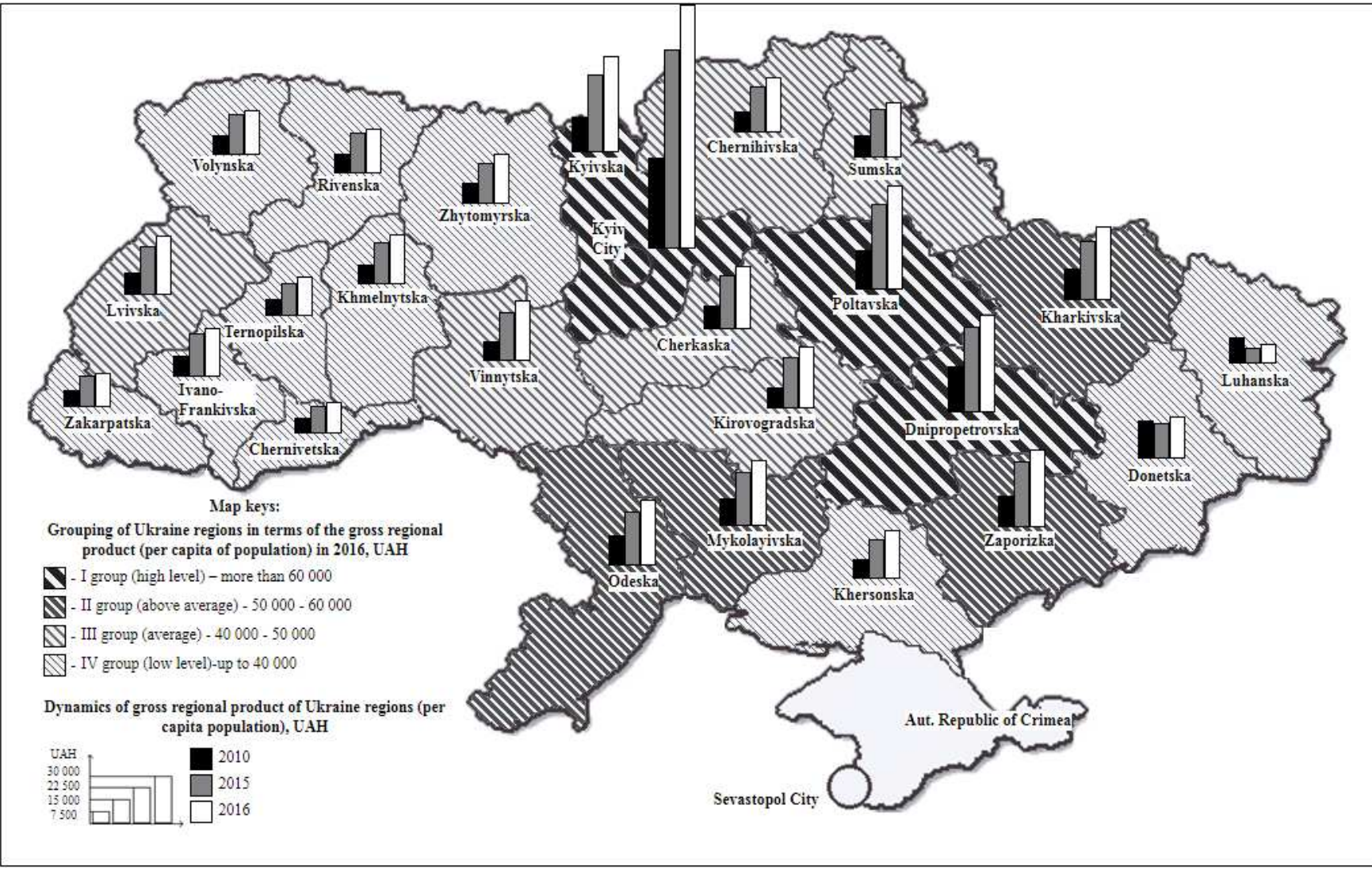


Fig. Grouping of Ukraine regions in teams of the gross regional product (per capita population), 2016

## ПРОБЛЕМИ МЕНЕДЖМЕНТУ ТА РОЗВИТКУ ПРОДУКТИВНИХ СИЛ РЕГІОНУ

The group of regions approaching the average of the average per capita gross regional product was Kharkivska (UAH 57 150), Odeska (UAH 41 682), Mykolaivska (UAH 41 501), Cherkaska (UAH 48 025), and Kirovogradska (UAH 47 469) areas that ranked 6th to 10th in the ranking.

The regions that had the significance of the indicator significantly below the average in Ukraine were: Lvivska (UAH 45 319), Vinnytska (UAH 46 615), Sumska (UAH 41 741), Chernihivska (UAH 41 726), Ivano-Frankivska (UAH 37 220), Khmelnytska (UAH 37 881), Zhytomyrska (UAH 38 520), Volynska (UAH 34 310), Rivnenska (UAH 33 958), and Kher-sonska (UAH 36 585) of the oblast from 11th to 20th place in the ranking.

The regions with outsiders identified the temporarily occupied territories of Donetsk (UAH 32 318) and Luhanska (UAH 14 251), as well as Ternopil'ska (UAH 29 247), Zakarpatska (UAH 25 727) and Chernivetska (UAH 23 365) regions.

The thresholds of the gross regional product for 1 person between the leader regions and outsiders in 2010-2013 differed from 3.1 to 3.2 times, in 2014 – 3.8 times, in 2015 – 6.1 times, and in 2016 – 5 times. And if, while taking into account the Moscow metropolitan level, these differences will differ by more than 12 times, and the number of regions with lower rates than the average state exceeded 75%.

According to the share of the gross regional product, in general, in 2015 (Table 2), the leading positions are occupied by Kyiv city (23.4 %), Dnipropetrovska (10.2 %), Kharkivska (6.5 %), Donetsk (5.8 %) and Kyivska (5.4 %) regions. The smallest share in the total is typical for Kher-sonska (1.6 %), Zakarpatska (1.4 %), Ternopil'ska (1.3 %), Luganska (1.3 %) and Chernivtsi (0.9 %) regions.

Table 2

*Dynamics of the share of gross regional product in general for 2010-2016*

Regions	Share of GRP in general, %							Rank 2016	Change 2016-2015, %	Change 2016-2014, %
	2010	2011	2012	2013	2014	2015	2016			
<b>Ukraine</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>102.9</b>	–	<b>-3.1</b>	<b>-14.0</b>
AR Krym	3.0	2.9	3.1	3.0	–	–	–	–	–	–
Vinnytska	2.2	2.2	2.3	2.4	2.8	3.0	107.2	3	9.6	3.6
Volynska	1.3	1.4	1.4	1.4	1.5	1.6	108.3	2	13	8.2
Dnipropetrovska	10.7	10.8	10.1	10.0	11.1	10.8	99.1	20	8.2	-7.3
Donetska	11.9	12.4	11.7	10.8	7.6	5.8	99.8	17	37.9	-12.1
Zhytomyrska	1.7	1.7	1.7	1.7	1.9	1.9	105.8	5	7.1	-7.7
Zakarpatska	1.4	1.4	1.5	1.4	1.5	1.5	97.4	24	4	-10.1
Zaporizka	3.9	3.8	3.8	3.6	4.2	4.5	100.5	15	5.2	-3.3
Ivano-Frankivska	1.9	2.1	2.2	2.2	2.4	2.3	99.1	21	7.1	-1.5
Kyivska	4.2	4.5	4.8	4.5	5.0	5.2	105.5	7	11.6	0.1
Kirovohrad'ska	1.5	1.5	1.5	1.7	1.8	1.9	105.8	6	13.5	-0.8
Luhanska	4.2	4.4	4.0	3.6	2.0	1.2	118.7	1	70.6	15.5
Lvivska	3.8	4.0	4.3	4.2	4.6	4.8	99.4	19	4.1	-3.1
Mykolaiv'ska	2.2	2.1	2.0	2.1	2.2	2.4	106.3	4	10.6	2.6
Odeska	5.0	4.7	4.4	4.6	4.7	5.0	104.5	10	8.5	2
Poltavska	4.1	4.0	3.9	3.8	4.4	4.8	98.6	23	4.2	-11.7
Rivnenska	1.5	1.5	1.5	1.4	1.8	1.8	100.2	16	6.9	-6.5
Sumska	1.7	1.8	1.7	1.8	1.9	2.1	97.4	25	-0.2	-2.5
Ternopil'ska	1.2	1.2	1.2	1.2	1.4	1.3	99.0	22	5	-1.8
Kharkiv'ska	6.0	5.9	5.6	5.6	6.1	6.3	102.7	12	11.5	0.5
Kher-sonska	1.4	1.4	1.3	1.4	1.5	1.6	103.4	11	4.2	1.1
Khmelnytska	1.7	1.8	1.8	1.7	2.0	2.1	105.3	8	12.7	4.8
Cherkaska	2.1	2.1	2.1	2.2	2.4	2.6	102.7	13	7.1	-3.9
Chernivetska	0.9	0.9	0.9	0.9	0.9	0.9	99.5	18	4.9	-0.8
Chernihiv'ska	1.6	1.6	1.6	1.6	1.8	1.9	101.6	14	7.2	0.5
Kyiv	18.2	17.2	18.9	20.5	22.5	22.7	104.8	9	12.1	4
Sevastopol	0.7	0.7	0.7	0.7	–	–	–	–	–	–

Source: [1-10; 12-17].

## ПРОБЛЕМИ МЕНЕДЖМЕНТУ ТА РОЗВИТКУ ПРОДУКТИВНИХ СИЛ РЕГІОНУ

The analysis conducted on the indicator of the average per capita gross regional product shows an unstable, turbulent nature of the course of economic processes and the lack of effective economic regulation of the development of regions.

The next indicator characterizing the resource potential of the regions of Ukraine. Is the volume of realized industrial output, calculated per capita (Table 3).

Table 3

*Dynamics of volume of sold industrial products (per capita population) for 2010-2016*

Regions	Volume of realized industrial production per 1 person, UAH							Rank 2010	Rank 2015	Rank 2016
	2010	2011	2012	2013	2014	2015	2016			
<b>Ukraine</b>	<b>23236.0</b>	<b>29140.3</b>	<b>30721.2</b>	<b>29767.9</b>	<b>33227.9</b>	<b>40662.4</b>	<b>41575.8</b>	–	–	–
AR Krym	8247.2	10470.7	13841.7	13488.1	–	–	–	23	–	–
Vinnitska	11002.0	12825.5	13820.0	15717.1	19115.2	30367.0	33699.2	15	10	10
Volynska	7837.2	10109.8	10871.2	10480.4	13130.0	18455.1	21478.3	24	20	20
Dnipropetrovska	49760.4	60255.9	66522.3	65954.2	76771.6	92201.4	100135.1	2	2	1
Donetska	45756.3	60544.6	55186.1	50609.5	41981.8	40734.0	49021.7	3	7	5
Zhytomyrska	9397.5	11253.6	12865.6	12966.6	16751.4	20487.2	24463.7	20	19	16
Zakarpatska	5681.1	7098.5	7949.0	7992.7	8864.4	10975.2	13983.7	25	23	24
Zaporizka	37042.7	45368.0	46132.4	44285.6	55233.7	76566.6	82055.4	5	4	3
Ivano-Frankivska	10025.5	17528.0	18298.0	15930.1	18188.8	24630.1	25460.7	18	13	15
Kyivska	22296.3	26482.3	28231.8	32243.7	32696.2	42118.4	47809.7	7	5	7
Kirovohradska	9710.1	11972.1	15629.5	18424.5	20688.6	23525.1	23732.3	19	14	17
Luhanska	32137.5	42851.2	37295.7	32320.6	17670.0	10356.4	16895.5	6	24	22
Lvivska	10072.0	12738.6	13725.5	13632.4	15596.0	22642.7	26767.2	17	16	12
Mykolaiivska	15751.8	18627.6	20548.3	19331.7	22059.5	29981.1	38825.6	10	11	9
Odeska	13045.2	11443.5	11890.4	11577.4	14088.9	22203.0	19036.9	12	17	21
Poltavska	39723.9	49053.6	54728.1	48874.5	59666.2	76987.0	88385.7	4	3	2
Rivnenska	10774.5	13179.7	10567.1	13563.2	16522.3	23109.7	25472.9	16	15	14
Sumska	12636.0	20331.0	21761.8	21071.8	23635.7	32856.7	31238.2	13	9	11
Ternopil'ska	5034.2	7495.1	7173.6	7555.4	8817.0	11398.6	14859.8	26	22	23
Kharkivska	18955.4	23142.5	28289.8	28568.0	31744.8	41143.5	48536.3	8	6	6
Khersonska	8773.8	10110.1	9447.7	10118.3	11320.3	16029.0	22261.3	22	21	18
Khmelnitska	8874.6	11367.4	12618.1	13394.0	15335.5	20741.1	25615.8	21	18	13
Cherkaska	18480.3	22493.8	25433.8	24304.0	30150.2	38275.2	42657.9	9	8	8
Chernivetska	3530.3	4495.3	4534.0	4515.9	5142.8	7492.4	9532.1	27	25	25
Chernihivska	11008.7	13948.8	17907.3	17503.6	20637.4	26281.3	21980.6	14	12	19
Kyiv	51892.9	65165.0	76464.2	73650.7	88547.1	103900.2	51613.4	1	1	4
Sevastopol	15686.2	14631.8	11920.7	10486.3	–	–	–	11	–	–
Max	51892.9	65165.0	76464.2	73650.7	88547.1	103900.2	100135.1	–	–	–
Min	3530.3	4495.3	4534.0	4515.9	5142.8	7492.4	9532.1	–	–	–

Source: [1-10; 12-17].

The maximum value of the indicator of the volume of industrial products sold (per capita) in 2016 is characteristic of Dnipropetrovska oblast (UAH 100 355.1), and the minimum is Chernivetska region (UAH 9532.1), that is, the difference is more than 10 times, which indicates significant disparities in the regional landscape according to the indicator.

The leading regions for this indicator in 2016 were Dnipropetrovska (UAH 100 355.1), Poltav'ska (UAH 88 385.7), Zaporizka (UAH 82 055.4) and Kyiv city (UAH 51 613.4), which occupied, respectively, the first four places in the rating.

The group of leading regions include Donetska (UAH 49 021.7), Kharkivska (UAH 48 536.3), Kyivska (UAH 47 809.7), and Cherkaska (UAH 42 657.9) from the oblast 5th to 8th place in the rating.

The group of regions with the value of the indicator of the volume of industrial products sold (per capita) below the average was characterized by the following areas: Mykolayiv'ska (UAH 38 825.6), Vinnitsa (UAH 33 699.2), Sumska (UAH 31 228.2) Lviv'ska (UAH 26 767.2), Khmelnytska (UAH 25 615.8), Rivnenska (UAH 25 472.9), Ivano-Frankiv'ska (UAH 25 460.7), Zhytomyrska (UAH 24 463.7), Kirovograd'ska (UAH 23 732.3), Kherson'ska (UAH 22 261.3), Chernihiv'ska (UAH 21 980.6) and Volyn'ska (UAH 21 478.3), which occupied, respectively, 9-th to the 20 th place in the rating.

## ПРОБЛЕМИ МЕНЕДЖМЕНТУ ТА РОЗВИТКУ ПРОДУКТИВНИХ СИЛ РЕГІОНУ

The group of outsiders regions came to Odeska (UAH 19 036.9), Luhanska (UAH 16 895.5), Ternopil'ska (UAH 14 859.8), Zakarpatska (UAH 13 983.7) and Chernivetska (UAH 9 532.1UAH) regions, ranking 20 to 25 in the ranking.

Comparing the values of the surveyed indicator in 2016 and 2010, among the regions that significantly improved their position in the rating, it should be noted Vinnitska (+5 positions), Lviv'ska (+5 positions) and Khmelnytska (+8 positions) regions, and among the regions, which had a negative dynamics in the ranking – Luhanska (-16 positions), Odeska (-9 positions) and Chernihiv'ska (-5 positions).

In 2016, the largest share in the total volume of industrial products sold was made by Dnipropetrovska (18.3 %), Donetska (11.8 %), Zaporizka (8.1 %), Kharkiv'ska (7.4 %) and Kyiv'ska (8.4 %). The lowest values of the indicator were characteristic of Volyn'ska (1.3 %), Zakarpatska (1.0 %), Kirovohradska (1.3 %), Ternopil'ska (0.9 %), Kherson'ska (1.3 %), Chernivetska (0.5 %) and Chernihiv'ska (1.3 %) regions. That is, the maximum value of the investigated indicator exceeded the minimum by almost 37 times (Table 4).

Table 4

*Dynamics of the share of regions in the total volume of industrial products sold*

Regions	Share of regions, %							Rank, 2016	Change 2016-2015,%	Change 2016-2010,%
	2010	2011	2012	2013	2014	2015	2016			
<b>Ukraine</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	<b>100.0</b>	–	–	–
AR Krym	1.5	1.5	1.9	2.0	–	–	–	–	–	–
Vinnitska	1.7	1.6	1.6	1.9	2.2	2.8	3.0	9	0.2	1.3
Volyn'ska	0.8	0.8	0.8	0.8	1.0	1.1	1.3	19	0.2	0.5
Dnipropetrovska	15.6	15.1	15.7	16.1	17.6	17.3	18.3	1	1.0	2.7
Donetska	19.1	20.1	17.3	16.3	12.7	10.0	11.8	2	1.8	-7.3
Zhytomyr'ska	1.1	1.1	1.2	1.2	1.5	1.5	1.7	17	0.2	0.6
Zakarpatska	0.7	0.7	0.7	0.7	0.8	0.8	1.0	23	0.2	0.3
Zaporizka	6.3	6.1	5.9	5.8	6.8	7.7	8.1	4	0.4	1.8
Ivano-Frankiv'ska	1.3	1.8	1.8	1.6	1.8	2.0	2.0	14	0	0.7
Kyiv'ska	3.6	3.4	3.5	4.1	3.9	4.2	4.7	7	0.5	1.1
Kirovohradska	0.9	0.9	1.1	1.3	1.4	1.3	1.3	20	0	0.4
Luhanska	6.9	7.3	6.0	5.4	2.8	1.3	2.1	13	0.8	-4.8
Lviv'ska	2.4	2.4	2.5	2.5	2.8	3.3	3.8	8	0.5	1.4
Mykolaiv'ska	1.8	1.7	1.7	1.7	1.8	2.0	2.5	12	0.5	0.7
Odeska	2.9	2.1	2.0	2.0	2.4	3.1	2.6	11	-0.5	-0.3
Poltav'ska	5.6	5.5	5.8	5.3	6.1	6.4	7.1	6	0.7	1.5
Rivnenska	1.2	1.1	0.9	1.2	1.3	1.5	1.7	18	0.2	0.5
Sumska	1.4	1.8	1.8	1.8	1.9	2.1	1.9	15	-0.2	0.5
Ternopil'ska	0.5	0.6	0.6	0.6	0.7	0.7	0.9	24	0.2	0.4
Kharkiv'ska	4.9	4.8	5.5	5.8	6.1	6.4	7.4	5	1.0	2.5
Kherson'ska	0.9	0.8	0.7	0.8	0.8	1.0	1.3	21	0.3	0.4
Khmelnytska	1.1	1.1	1.2	1.3	1.4	1.5	1.9	16	0.4	0.8
Cherkaska	2.2	2.2	2.3	2.3	2.6	2.7	3.0	10	0.3	0.8
Chernivetska	0.3	0.3	0.3	0.3	0.3	0.4	0.5	25	0.1	0.2
Chernihiv'ska	1.1	1.1	1.4	1.4	1.5	1.6	1.3	22	-0.3	0.2
Kyiv	13.6	13.7	15.5	15.5	17.8	17.3	8.4	3	-8.9	-5.2
Sevastopol	0.6	0.4	0.3	0.3	–	–	–	–	–	–
Max	19.1	20.1	17.3	16.3	17.8	17.3	18.3	–	–	–
Min	0.3	0.3	0.3	0.3	0.3	0.4	0.5	–	–	–

Source: [1-10; 12-17].

Almost all regions improved the indicator of the share of regions in the total volume of industrial products sold (in 2016 compared to 2015), except Odeska (-0.5 %), Sumska (-0.2 %), Chernihiv'ska (-0.3 %) regions and the Kyiv city (-8.9 %).

## ПРОБЛЕМИ МЕНЕДЖМЕНТУ ТА РОЗВИТКУ ПРОДУКТИВНИХ СИЛ РЕГІОНУ

One of the important indicators characterizing the resource potential of the regions of Ukraine is the volume of agricultural production, calculated per capita. In Table 5 shows data that characterize the dynamics of average per capita output of agricultural products.

Table 5

*Dynamics of production of agricultural products (per capita population) for 2010-2016*

Regions	Production of agricultural products per person, UAH							Rank 2010	Rank 2015	Rank 2016
	2010	2011	2012	2013	2014	2015	2016			
<b>Ukraine</b>	<b>4249</b>	<b>5113</b>	<b>4897</b>	<b>5559</b>	<b>5847</b>	<b>5589</b>	<b>5941</b>	–	–	–
AR Krym	3662	4149	3317	3353	–	–	–	18	–	–
Vinnitska	7656	9199	8888	11014	12292	11343	13271	3	3	1
Volynska	5086	5570	5950	6097	6472	6170	6287	10	12	12
Dnipropetrovska	3690	4349	3481	4584	4336	4636	4650	17	17	18
Donetska	2152	2595	2475	2635	2474	1621	1756	25	24	24
Zhytomyrska	4948	5660	6251	6643	7018	6442	7189	11	11	11
Zakarpatska	3080	3238	3359	3435	3424	3252	3148	21	21	22
Zaporizka	4231	4863	3960	5349	5197	5714	5640	15	13	15
Ivano-Frankivska	3309	3751	3984	4062	4316	4121	4191	19	19	19
Kyivska	2547	3011	3251	3272	3444	3058	3358	23	22	21
Kirovohradska	8388	10477	8975	11561	11442	11261	12320	2	4	2
Luhanska	2152	2718	2773	2892	2327	1824	2176	25	23	23
Lvivska	2894	3304	3445	3470	3664	3559	3652	22	20	20
Mykolaivska	6290	7092	5899	8023	7516	7708	8363	7	9	9
Odeska	3925	4195	3365	4740	4615	4446	4962	16	18	16
Poltavska	7364	10066	9100	10952	10677	11538	11919	5	2	4
Rivnenska	4689	5196	5357	5669	5953	5518	5788	13	14	13
Sumska	4929	6794	7168	8271	9150	8806	9114	12	8	8
Ternopil'ska	5362	6740	7368	748,8	8557	7629	7980	9	10	10
Kharkiv'ska	3239	4828	4447	5343	5523	5387	5743	20	15	14
Kherson'ska	7465	9177	7711	9123	9639	10174	10550	4	5	5
Khmelnitska	6296	7313	8475	8793	10192	8937	9670	6	7	7
Cherkaska	9547	11308	11019	11821	11713	11722	12015	1	1	3
Chernivetska	4312	4773	4815	4973	5174	4712	4712	14	16	17
Chernihiv'ska	5897	7733	8449	8777	9531	9450	9875	8	6	6
Kyiv	-	-	-	-	-	-	-	-	-	-
Sevastopol	436	444	391	408	–	–	–	26	–	–
Max	9547	11308	11019	11821	12292	11722	13271	–	–	–
Min	436	444	391	408	2327	1621	1756	–	–	–

Source: [1-10; 12-17].

The leading positions in the surveyed indicator were Vinnitska (UAH 13 271), Kirovohradska (UAH 12 330), Cherkaska (UAH 12 015), Poltav'ska (UAH 11 919), and Kherson'ska (UAH 10 550) in 2016, the first five positions in the rating.

Outsiders, according to the average per capita output of agricultural products, were Lviv'ska (UAH 3652), Kyiv'ska (UAH 3358), Zakarpatska (UAH 3148), Luganska (UAH 2176) and Donetska (UAH 1756) who took the last five places in the rating.

In comparison with 2010, in 2016, they improved their positions in the ranking of 8 regions, among them: Donetska and Poltav'ska regions by +1 position, Kyiv'ska, Luhanska and Lviv'ska – by +2 positions, Sumska regions – +4 positions and Kharkiv'ska – +6 positions in the rating.

In 2010, the thresholds for agricultural production per one person among the leading regions and outsiders differed by 21,9 times, in 2011 – by 25,5 times, in 2012 – by 28,2 times, in 2013 - by 28,9 times, and since 2014 the range of values has decreased and amounted to 5,3 times, in 2015 – 7,2 times, in 2016 – 7,5 times.

## ПРОБЛЕМИ МЕНЕДЖМЕНТУ ТА РОЗВИТКУ ПРОДУКТИВНИХ СИЛ РЕГІОНУ

Regions-leaders in terms of the share of regions in the volumes of agricultural production were Vinnitska – 8.4 % (+1.9 % compared to 2010), Dnipropetrovska – 6.0 % (-0.3 % compared to 2010), Kievska – 6.1 % (+0.2 % as compared to 2010), Poltavska – 6.8 % (+1.2 % compared to 2010, but -0.2 % in comparison with 2015) and Kharkivska – 6.1 % (+1.5 % compared to 2010).

The regions with the smallest share in the volumes of agricultural production were Volynska region – 2.5 % (-0.2 % compared to 2010), Zakarpatska – 1.6 % (-0.4 % compared to 2010), Ivano-Frankivska – 2.3 % (-0.1 % compared to 2015), Luhanska – 1.9 % (-0.6 % compared to 2010, but 0.2 % compared to 2015) and Chernivetska – 1.7 % (-0.3 % compared to 2010) of the region.

The next indicator that characterizes the resource potential of the regions of Ukraine, consider the average volume of services sold by enterprises in the service sector (Table 6).

Table 6

*Dynamics of the volume of services sold by enterprises of the service sector to different consumers (per capita) for 2010-2016*

Regions	Volume of realized services per one person, ths. UAH							Rating				
	2010	2011	2012	2013	2014	2015	2016	2010	2015	2016	Changes	
											2010/ 2016	2015/ 2016
<b>Ukraine</b>	5.61	6.74	7.22	7.85	8.42	10.15	12.76	–	–	–	–	–
AR Krym	4.43	4.73	4.94	6.03	–	–	–	7	–	–	–	–
Vinnytska	2.43	3.0	2.93	3.10	3.12	3.8	4.69	14	16	14	0	+2
Volynska	2.03	2.66	2.64	3.14	0.34	4.41	4.67	18	13	15	+3	-2
Dnipropetrovska	4.12	5.43	5.73	6.24	7.85	8.87	12.15	8	6	5	+3	+1
Donetska	3.55	4.36	4.86	5.08	4.61	4.01	3.37	10	15	22	-12	-7
Zhytomyrska	1.87	2.11	2.28	2.49	2.23	2.83	3.69	20	21	18	+2	+3
Zakarpatska	1.82	2.11	2.22	2.25	2.64	3.37	3.99	21	18	16	+5	+2
Zaporizka	2.76	3.28	3.54	3.80	4.32	5.69	6.18	12	9	10	+2	0
Ivano-Frankivska	1.7	1.98	1.98	2.21	2.65	4.05	4.93	22	14	13	+9	+1
Kyivska	8.57	5.72	5.44	6.77	7.28	9.43	11.82	3	65	6	-3	-1
Kirovohradka	2.84	3.44	3.75	4.18	4.72	6.08	6.71	11	8	8	+3	0
Luhanska	1.56	1.93	2.31	2.76	1.12	1.03	1.36	23	25	25	-2	0
Lvivska	4.46	5.52	5.74	5.92	7.70	11.89	15.53	6	3	3	+3	0
Mykolaiivska	5.11	5.39	6.05	6.13	7.28	11.23	13.44	5	4	4	+1	0
Odeska	9.3	10.65	11.06	12.20	16.66	20.62	22.65	2	2	2	0	0
Poltavska	2.0	2.67	2.84	3.62	3.60	4.81	6.43	19	10	9	+10	+1
Rivnenska	2.24	2.64	2.57	2.59	2.71	3.27	3.39	16	19	21	-5	-2
Sumska	1.54	1.90	2.16	2.36	2.83	3.52	3.68	25	17	19	+6	-2
Ternopil'ska	1.31	1.54	1.88	2.20	2.61	2.36	3.57	26	24	20	+6	+4
Kharkivska	3.59	4.36	4.89	5.49	5.8	7.32	8.79	9	7	7	+2	0
Khersonska	2.36	2.86	3.08	2.95	3.18	4.52	5.25	15	12	12	+3	0
Khmelnitska	1.32	1.66	1.80	1.91	2.09	2.58	3.13	25	23	23	+2	0
Cherkaska	2.55	2.76	3.8	4.06	3.72	4.59	5.47	13	11	11	+2	0
Chernivetska	0.14	1.69	1.75	1.79	1.93	2.75	2.9	27	22	24	+3	-2
Chernihivska	2.14	2.45	2.7	2.88	2.57	3.0	3.8	17	20	17	0	+3
Kyiv	32.69	38.16	41.6	46.98	47.11	50.57	65.63	1	1	1	0	0
Sevastopol	5.39	5.26	6.03	5.93	–	–	–	4	–	–	–	–

Source: [1-10; 12-17].

According to the results of the analysis in 2016, the regions-leaders were Kyiv city and Dnipropetrovska, Kievska, Lvivska, Mykolaiivska, Odeska regions with an average per capita volume of services ranging from 11 820 to 65 630 UAH.

The worst situation in this indicator was in Donetska (UAH 3 370), Luhanska (UAH 1360), Rivnenska (UAH 3390), Ternopil'ska (UAH 3570), Khmelnytska (UAH 3130), and Chernivetska (UAH 2900) regions. The average per capita volume of realized services which is less than the average value in Ukraine is almost 9 times, indicating a significant unevenness of the regional landscape by this indicator.



## ПРОБЛЕМИ МЕНЕДЖМЕНТУ ТА РОЗВИТКУ ПРОДУКТИВНИХ СИЛ РЕГІОНУ

In 2016, in comparison with 2010, almost all regions have improved their position in the ranking, except for: Donetsk (-12 positions), Kievsk (-5 positions), Luganska (-2 positions) and Rivnenska (-5 positions) regions. Among the regions that significantly improved their position in the ranking: Poltavsk +10 positions, Ivano-Frankivsk +9 positions, Sumska and Ternopilsk +6 positions and Zakarpatska +5 positions in the rating.

Compared to 2015, almost half of the regions did not change their rating positions, while others had slight deviations, except for the Donetsk region (-7 positions in the rating).

The next important indicator of changes in the volume of public consumption is the per capita retail trade turnover. In Table 7 shows the dynamics of indicators of the volume of average per capita retail turnover.

Table 7

*Dynamics of retail turnover (per capita population) for 2010-2016*

Regions	Retail turnover per 1 person, ths. UAH							Rating			Change in rating	
	2010	2011	2012	2013	2014	2015	2016	2010	2015	2016	2010/ 2016	2015/ 2016
<b>Ukraine</b>	<b>5.92</b>	<b>7.66</b>	<b>8.61</b>	<b>9.24</b>	<b>9.94</b>	<b>11.38</b>	<b>13.03</b>	–	–	–	–	–
AR Krym	4.93	6.55	8.05	8.85	–	–	–	10	–	–	–	–
Vinnyska	3.35	4.48	4.97	5.26	6.08	7.11	7.92	26	22	22	+4	0
Volynska	4.39	5.69	6.69	7.65	8.72	11.15	11.51	16	8	10	+6	-2
Dnipropetrovska	7.19	8.99	10.32	11.17	12.82	14.61	16.10	4	4	4	0	0
Donetska	5.53	7.09	8.34	8.97	6.40	3.53	3.77	9	24	24	-15	0
Zhytomyrska	3.78	5.15	5.54	6.08	7.24	8.62	9.56	22	15	16	+6	-1
Zakarpatska	4.72	5.99	6.07	6.36	7.68	9.72	10.62	11	11	12	-1	-1
Zaporizka	5.79	7.45	8.76	9.42	10.94	12.59	14.52	8	6	6	+2	0
Ivano-Frankivska	3.44	4.62	5.06	5.37	6.50	7.65	8.45	24	20	20	+4	0
Kyivska	6.83	4.50	11.63	12.65	14.53	18.34	21.38	5	2	2	+3	0
Kirovohradska	4.29	5.29	6.12	6.50	7.66	8.76	10.24	17	14	13	+4	+1
Luhanska	3.87	5.01	6.13	6.53	3.35	1.40	1.60	19	25	25	-6	0
Lvivska	5.69	7.15	7.50	7.52	9.05	11.50	13.46	9	7	7	+2	0
Mykolaivska	4.67	6.07	6.92	7.41	8.32	9.81	11.51	13	10	9	+4	+1
Odeska	7.33	9.55	11.00	11.79	12.82	15.37	18.25	3	3	3	0	0
Poltavska	4.69	6.11	6.92	7.26	8.15	9.34	10.76	12	12	11	+1	+1
Rivnenska	3.65	4.81	5.12	5.53	6.90	8.11	8.48	23	18	19	+4	-1
Sumska	3.23	4.52	4.91	5.14	6.10	7.28	8.42	27	21	21	+6	0
Ternopilsk	3.44	4.55	4.53	4.62	5.67	6.89	7.58	25	23	23	+2	0
Kharkivska	6.59	8.55	9.14	9.89	11.40	13.51	15.44	6	5	5	+1	0
Khersonska	4.64	5.80	6.68	7.16	8.47	10.32	11.87	14	9	8	+6	+1
Khmelnyska	3.86	4.95	5.44	5.63	6.63	7.75	8.94	20	19	18	+2	+1
Cherkaska	4.22	5.54	6.10	6.55	7.58	8.87	9.82	18	13	14	+4	-1
Chernivetska	4.46	5.40	5.50	5.71	7.07	8.42	9.01	15	17	17	-2	0
Chernihivska	3.80	5.00	5.57	6.11	7.21	8.43	9.58	21	16	15	+6	+1
Kyiv	18.14	23.53	24.77	26.50	28.81	34.98	41.29	1	1	1	0	0

Source: [1-10; 12-17].

The dynamics of the volume of average per capita retail turnover was steady. All regions had a positive dynamic according to this indicator, except for part of the zone of anti-terrorist operation in Donetsk and Luhanska regions.

The best results for the indicator of the volume of average per capita retail turnover in 2016 were Kyiv city (UAH 412 090) and Dnipropetrovska (UAH 16 101), Kyivska (UAH 21 381), Odeska (UAH 18 253), Kharkivska (UAH 15 443), who ranked the first five positions in the ranking. The smallest volume of retail trade turnover per capita were Vinnyska (UAH 7920), Donetsk (UAH 3768), Ivano-Frankivsk (UAH 8446), Lugansk (UAH 1602), Sumska (UAH 8422) and Ternopilsk (UAH 7579) regions. The value of the indicator in the Luhanska region is less than the average of the country by 8 times.

## ПРОБЛЕМИ МЕНЕДЖМЕНТУ ТА РОЗВИТКУ ПРОДУКТИВНИХ СИЛ РЕГІОНУ

Among the group of regions that in 2016 compared with 2010 did not change their position in the rating, it is necessary to mention Dnipropetrovska (4 position in the rating), Odeska (3 position in the rating), and Kiev city (1 position in the rating).

In the group of regions that had not very significant changes in the rating (change to  $\pm 5$  positions), it was attributed: Vinnytska (+4 positions), Zakarpatska (-1 position), Zaporizka (+2 positions), Ivano-Frankivska (+4 positions), Kievska (+3 positions), Kirovogradska (+4 positions), Lvivska (+2 positions), Mykolaivska (+4 positions), Poltavska (+1 position), Rivnenska (+4 positions), Ternopilska (+2 positions), Kharkivska (+1 position), Khmelnytska (+2 positions), Cherkaska (+4 positions) and Chernivetska (-2 positions) regions.

In the group of regions that were characterized by significant changes in the ranking ranked: Volynska, Zhytomyrska, Sumska, Khersonska, Chernihivska (for +6 positions), Donetska (-15 positions) and Luhanska (-6 positions) regions.

Comparing the values of the indicators of 2016 from 2015, there is an almost unchanging location of the regions in the overall ranking. Half of the regions did not undergo rating changes at all, while others had characteristic changes  $\pm 1-2$  positions.

Important indicators in the analysis of the resource potential of the regions of Ukraine are the income and expenditure of the population per capita. The dynamics of average per capita income is shown in Table 8.

Table 8

*Dynamics of available income (per capita population) for 2010-2016*

Regions	Available income per capita, UAH.							Rating			Change in rating	
	2010	2011	2012	2013	2014	2015	2016	2010	2015	2016	2010/ 2016	2015/ 2016
<b>Ukraine</b>	<b>18485.6</b>	<b>21637.9</b>	<b>25206.4</b>	<b>26719.4</b>	<b>26782.1</b>	<b>31044.3</b>	<b>35610.1</b>	–	–	–	–	–
AR Krym	15480.0	18231.0	20751.0	22793.2	–	–	–	19	–	–	–	–
Vinnytska	16018.0	19090.8	21734.9	23000.6	23421.7	28875.7	33848.9	15	9	9	+6	0
Volynska	14311.9	16657.7	18806.9	19804.9	20137.2	24222.3	28312.5	24	20	20	+4	0
Dnipropetrovska	20739.4	24302.4	28771.6	30300.6	32036.2	38403.8	43458.3	3	2	2	+1	0
Donetska	21317.3	24890.3	29336.6	31048.5	26234.4	20595.4	19434.3	2	24	24	-22	0
Zhytomyrska	15775.9	18716.4	21288.0	21652.1	22102.1	27041.6	31441.3	17	15	14	+3	+1
Zakarpatska	12699.6	15002.4	17191.4	17929.3	17358.1	21686.5	25145.3	27	23	23	+4	0
Zaporizka	20221.4	23684.9	27107.6	28388.1	30181.8	35546.7	42117.8	4	3	3	+1	0
Ivano-Frankivska	15009.4	17732.6	20148.4	20987.8	20356.7	25748.0	29975.4	21	19	18	+3	+1
Kyivska	19513.9	22520.1	26541.7	27390.6	28443.3	33207.4	39177.9	5	4	4	+1	0
Kirovogradska	15417.7	18039.2	20553.7	21671.4	21954.1	26631.2	30979.9	20	16	16	+4	0
Luhanska	17850.0	20879.9	24024.1	25590.3	19788.3	14882.5	11919.7	8	25	25	-17	0
Lvivska	16513.8	19204.4	21992.3	23138.3	23595.2	28772.1	33673.5	13	10	10	+3	0
Mykolaivska	16993.4	20040.7	22878.0	23868.8	23458.5	28580.0	33186.6	10	11	11	-1	0
Odeska	16275.2	19135.0	22224.4	25571.8	24242.0	31542.6	37732.0	14	5	5	+9	0
Poltavska	17990.9	20917.4	24027.2	25371.2	26195.7	31243.1	36393.3	7	7	7	0	0
Rivnenska	14629.8	17326.2	19859.8	21165.0	21781.0	25951.8	29757.4	23	18	19	+4	-1
Sumska	16875.5	19592.9	22582.3	23558.6	23938.1	29810.4	33944.4	11	8	8	+3	0
Ternopilska	13824.2	16351.3	18560.6	18993.8	18400.5	23277.8	26884.4	25	21	21	+4	0
Kharkivska	18450.5	21787.8	24870.0	26098.2	26274.0	31459.1	36587.7	6	6	6	0	0
Khersonska	14881.7	17654.3	19939.9	21724.0	20727.9	27066.9	31242.7	22	14	15	+7	-1
Khmelnytska	15781.0	18738.2	21590.6	22789.0	22686.1	28525.2	32650.0	16	12	12	+4	0
Cherkaska	15769.2	18246.3	20717.9	21633.2	21760.5	26226.6	30608.7	18	17	17	1	0
Chernivetska	13503.3	15992.5	18107.5	19438.2	18475.6	23137.7	26838.3	26	22	22	4	0
Chernihivska	16625.0	19465.0	22769.6	23599.7	23093.4	27690.2	31707.1	12	13	13	-1	0
Kyiv	37012.7	42576.7	52708.9	55841.6	62715.1	75794.4	91356.6	1	1	1	0	0
Sevastopol	17078.3	19918.6	23186.0	26584.4	–	–	–	9	–	–	–	–

Source: [1-10; 12-17].

During 2010-2016, the dynamics of the indicator of disposable income per capita had a steady positive effect. In 2016, in six oblasts and in Kyiv, this indicator exceeded the average per capita income in Ukraine, which amounted to UAH 35 610.1.

## ПРОБЛЕМИ МЕНЕДЖМЕНТУ ТА РОЗВИТКУ ПРОДУКТИВНИХ СИЛ РЕГІОНУ

In 2016, the regions with the highest level of income per capita include Dnipropetrovska (43 458,3 UAH), Zaporizka (42 117.8 UAH), Kievska (39 177.9 UAH), Odeska (37 732.0 UAH) the region and the Kiev city (91 356.6 UAH).

The group of regions with average per capita income includes: Vinnitska (UAH 33 848.9), Volynska (UAH 28 312.5), Zhytomyrska (UAH 31 441.3), Ivano-Frankivska (UAH 29 975.4), Kirovogradska (UAH 30 979,9), Lvivska (UAH 33 673.5), Nikolaevska (UAH 33 186.6), Rivnenska (UAH 29 757,4), Sumska (UAH 33 944.4), Khersonska (UAH 31 242.7), Khmelnytska (UAH 32 650,0), Cherkaska (UAH 30 608.7) and Chernihivska (UAH 31 707.1).

Regions-outsiders on average per capita income were: Donetska (19 434.3 UAH), Zakarpatska (25 145.3 UAH), Luganska (11 919.7 UAH), Ternopilka (26 884.4 UAH) and Chernivetska (26 838.3 UAH) regions.

In 2016, compared to 2010, the Donetska region (-22 positions) and Luhanska (-17 positions) of the region dropped significantly due to anti-terrorist operations in these territories. Also, Nikolaevska and Chernihivska regions have fallen in one place in the rating. At the same time, one position improved its ranking of Dnipropetrovska (2nd place), Zaporizka (3rd place), Kievska (4th place) and Cherkaska (17th place) regions.

Lvivska (10th place) and Sumska (8th place) regions rose to three positions in the rating. Volynska (20th place), Zakarpatska (23rd place), Kirovogradska (16th place), Ternopilka (21st place), Khmelnytska (12th place) and Chernivetska (22nd place) increased their ranking by 4th position.

Vinnitska and Odeska improved their rating by 6 and 9 positions, respectively.

In 2016, compared to 2015, there was little change in the rating, only Zhytomyrska (+1 position) and Khersonska (-1 position) regions changed places (14th and 15th place in the rating) and Ivano-Frankivska (+1 position) and Rivnenska (-1 position) respectively 14 and 15 places in the overall rating.

Analyzing the dynamics of per capita expenditure of the population, we can say that this indicator was also followed by positive dynamics (Table 9).

Table 9

*The cost dynamics (per capita population) for 2010-2016*

Regions	Expenses per person, UAH							Rating			Change in rating	
	2010	2011	2012	2013	2014	2015	2016	2010	2015	2016	2010/ 2016	2015/ 2016
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>Ukraine</b>	<b>20477.3</b>	<b>25021.4</b>	<b>28745.1</b>	<b>31490.0</b>	<b>34557.1</b>	<b>40212.0</b>	<b>47048.1</b>	–	–	–	–	–
AR Krym	19098.5	23457.4	26935.5	27307.5	–	–	–	9	–	–	–	–
Vinnytska	16411.1	19967.0	22707.0	25307.8	30262.0	36624.8	44132.1	14	15	13	+1	+2
Volynska	16396.0	20285.2	23158.9	25948.5	30619.9	38387.0	43290.5	15	10	17	-2	-7
Dnipropetrovska	20911.2	25971.9	30239.3	33067.8	38814.4	46772.9	54474.2	5	5	5	0	0
Donetska	19943.6	24506.2	28789.6	32102.7	25174.1	17290.9	19706.7	7	24	24	-17	0
Zhytomyrska	15903.0	19975.7	22618.4	25145.0	29385.3	36254.7	43433.3	20	16	16	+4	0
Zakarpatska	14827.9	17835.1	19990.4	21616.0	25478.5	31254.6	36699.8	26	23	23	+3	0
Zaporizka	20724.6	25966.0	29220.0	31482.7	35499.5	43743.6	51991.9	6	6	6	0	0
Ivano-Frankivska	15852.1	19725.4	22637.9	26057.5	30884.8	36815.7	43493.6	22	13	15	+7	-2
Kyivska	19879.6	24731.2	28106.1	32788.0	38731.0	50227.1	57519.8	8	3	4	+4	-1
Kirovohradska	15935.5	19818.1	23044.7	24916.3	29329.3	36699.8	44836.5	19	14	11	+8	+3
Luhanska	16198.0	20327.8	23522.9	27224.5	16338.7	10218.7	12400.1	17	25	25	-8	0
Lvivska	17673.1	21976.6	25361.3	26805.4	30377.8	38380.5	46023.4	11	11	8	+3	+3
Mykolaiivska	18179.4	22190.9	25208.4	27852.1	32170.8	38707.5	46182.6	10	7	7	+3	0
Odeska	23230.7	28778.7	33040.9	35988.8	41147.1	48913.3	58085.7	4	4	3	+1	+1
Poltavska	17620.0	21438.8	24758.6	26659.2	31252.1	38750.0	45963.4	12	8	9	+3	-1
Rivnenska	15892.7	19908.1	22481.8	24262.0	28219.8	34160.1	39875.2	21	19	20	+1	-1
Sumska	15580.6	19420.9	22369.8	24211.4	28913.3	34901.2	42471.8	24	18	18	+6	0

End Table 9

1	2	3	4	5	6	7	8	9	10	11	12	13
Ternopil'ska	14412.3	18240.8	20868.5	22195.7	26385.8	31991.0	38330.2	27	22	22	+5	0
Kharkiv'ska	23428.2	28931.1	33016.1	35706.0	41790.2	50755.5	58653.8	3	2	2	+1	0
Kherson'ska	15437.5	20153.8	22975.6	25389.5	30946.6	38585.1	45646.8	25	9	10	+15	-1
Khmeln'ytska	16334.9	20045.3	22215.5	23755.1	28280.0	34086.1	41446.0	16	20	19	-3	+1
Cherkaska	17215.4	21433.7	24486.7	26782.7	31007.2	37080.3	44468.5	13	12	12	+1	0
Chernivetska	15627.6	19226.3	21292.2	22655.9	27100.7	32782.7	38601.8	23	21	21	+2	0
Chernihiv'ska	16084.2	20156.4	22390.1	24751.5	29432.8	35982.1	43886.6	18	17	14	+4	+3
Kyiv	51891.0	58751.6	67842.5	74008.9	79564.7	94403.4	104562.1	1	1	1	0	0
Sevastopol	24471.9	29215.2	33897.5	36444.0	–	–	–	2	–	–	–	–

Source: [1-10; 12-17].

The leading regions in 2016 were Kyiv city (UAH 104 562.1), Kharkiv'ska (UAH 58 653.8), Odeska (UAH 58 085.7), Kyiv'ska (UAH 57 519.8) and Dnipropetrovska (UAH 54 474.2) of the region, which occupied the first five positions in the rating.

The lowest value of the average per capita expenditure indicator was for Chernivetska (UAH 38 601.8), Ternopil'ska (UAH 38 330.2), Zakarpatska (UAH 36 699.8), Donetsk (UAH 19 706.7), and Luhanska (12 400.1 UAH).

The thresholds for the researched indicator between the leader regions and outsiders in 2016 are 4.7 times (without the capital level), and the number of regions with lower rates than the average per country exceeded 75 %.

In 2016, compared to 2010, the following areas have significantly improved their ranking in the ranking: Ivano-Frankiv'ska (+7 positions), Kirovograd'ska (+8 positions), Sumska (+6 positions), Ternopil'ska (+5 positions) and Kherson'ska (+15 positions) regions. Among the regions that have undergone a significant decline are Donetsk (-17 positions) and Luhanska (-8 positions) region.

Two other equally important indicators are the volume of exports and imports per capita. The dynamics of the average per capita export volume is given in Table. 10.

The dynamics of the average per capita export volume for the period 2010-2016 was unstable, indicating the instability of foreign economic relations. Since 2012, there has been a decline in export volumes across all regions.

The leading regions for the average per capita export volume in 2016 were Dnipropetrovska (US \$ 1.81 thousand), Zaporizka (US \$ 1.31 thousand), Mykolaiiv'ska (USD 1.44 thousand), Poltav'ska ( US \$ 1.01 thousand) and Kyiv city (USD 2.98 thousand).

The lowest values of this indicator were characteristic for Luganska (0.2 thousand dollars), Rivnenska (0.27 thousand USD), Kherson'ska (0.23 thousand USD), Khmelnytska (0.25 thousand dollars (USA) and Chernivetska (US \$ 0.13 th) regions.

The coefficient of territorial concentration in terms of export volumes ranged from 0.3 % in Chernivetska region to 23.6 % in Kyiv.

The largest share was typical for the following areas: Dnipropetrovska (16.1 %), Donetsk (9.4 %), Zaporizka (6.3 %), Kyiv'ska (4.7 %), Mykolaiiv'ska (4.6%) and Odeska (4.2 %). In turn, the smallest share was in the oblast: Rivne (0.9 %), Ternopil (0.8%), Kherson (0.7 %), Khmelnytska (0.9 %) and Chernivetska (0.3 %).

In 2016, compared to 2010, 15 oblasts increased in the overall ranking. Significantly improved ranking positions of Vinnytska (+7), Zhytomyr'ska and Mykolaiiv'ska (+4), Kirovograd'ska (+5), Ternopil'ska (+6) and Chernihiv'ska (+10) regions. Negative changes were rated in the following areas: Luhanska (-18) and Donetsk, Kharkiv'ska and Cherkaska (-6).

Compared to 2015, in 2016 there were no significant changes in the regional ranking, except for the Ivano-Frankiv'ska oblast, which rose in the ranking by 6 positions. Other regions were characterized by changes in the three rating positions.

Describing the dynamics of import indicators per capita (Table 11), we note the unstable nature.

Table 10

*Dynamics of export volumes (per capita population) for 2010-2016*

Regions	Exports per person, thousand dollars. USA														Rating			Changes in rating	
	2010		2011		2012		2013		2014		2015		2016		2010	2015	2016	2010/ 2016	2015/ 2016
	ths. USD	% to the general volume	ths. USD	% to the general volume	ths. USD	% to the general volume	ths. USD	% to the general volume	ths. USD	% to the general volume	ths. USD	% to the general volume	ths. USD	% to the general volume					
<b>Ukraine</b>	<b>1.12</b>	100.0	<b>1.5</b>	100.0	<b>1.51</b>	100.0	<b>1.39</b>	100.0	<b>1.26</b>	100.0	<b>0.89</b>	100.0	<b>0.86</b>	100.0	-	-	-	-	-
AR Krym	<b>0.29</b>	1.1	<b>0.3</b>	1.0	<b>0.45</b>	1.3	<b>0.46</b>	1.4	-	-	-	-	-	-	22	-	-	-	-
Vinnyska	<b>0.34</b>	1.1	<b>0.4</b>	1.0	<b>0.40</b>	0.9	<b>0.42</b>	1.1	<b>0.46</b>	1.4	<b>0.53</b>	2.2	<b>0.62</b>	2.7	17	12	10	+7	2
Volynska	<b>0.42</b>	0.8	<b>0.62</b>	0.9	<b>0.58</b>	0.9	<b>0.60</b>	1.0	<b>0.66</b>	1.3	<b>0.61</b>	1.7	<b>0.59</b>	1.7	14	10	11	+3	-1
Dnipropetrovska	<b>2.4</b>	15.6	<b>3.11</b>	15.2	<b>3.1</b>	14.7	<b>2.97</b>	15.5	<b>2.67</b>	16.3	<b>1.96</b>	16.8	<b>1.81</b>	16.1	3	2	2	+1	0
Donetska	<b>2.5</b>	25.5	<b>3.9</b>	25.1	<b>3.22</b>	20.5	<b>2.85</b>	19.6	<b>1.95</b>	15.6	<b>0.87</b>	9.7	<b>0.81</b>	9.4	2	7	8	-6	-1
Zhytomyrska	<b>0.31</b>	0.8	<b>0.4</b>	0.8	<b>0.43</b>	0.8	<b>0.48</b>	1.0	<b>0.53</b>	1.2	<b>0.35</b>	1.2	<b>0.39</b>	1.3	21	17	17	+4	0
Zakarpatska	<b>0.93</b>	2.2	<b>1.12</b>	2.0	<b>1.11</b>	2.0	<b>1.03</b>	2.1	<b>1.1</b>	2.6	<b>0.87</b>	2.9	<b>0.96</b>	3.3	8	8	7	+1	1
Zaporizka	<b>1.78</b>	6.2	<b>2.31</b>	6.1	<b>2.24</b>	5.8	<b>2.07</b>	5.8	<b>2.11</b>	6.9	<b>1.67</b>	7.7	<b>1.31</b>	6.3	4	3	4	0	-1
Ivano-Frankivska	<b>0.37</b>	1.0	<b>0.68</b>	1.4	<b>0.59</b>	1.2	<b>0.34</b>	0.7	<b>0.35</b>	0.9	<b>0.27</b>	1.0	<b>0.42</b>	1.6	16	21	15	+1	6
Kyivska	<b>0.76</b>	2.5	<b>0.99</b>	2.5	<b>1.15</b>	2.9	<b>1.14</b>	3.1	<b>1.08</b>	3.4	<b>0.98</b>	4.4	<b>0.99</b>	4.7	9	6	6	+3	0
Kirovohradska	<b>0.33</b>	0.8	<b>0.44</b>	0.6	<b>0.63</b>	0.9	<b>0.86</b>	1.4	<b>0.84</b>	1.5	<b>0.42</b>	1.1	<b>0.44</b>	1.2	19	16	14	+5	2
Luhanska	<b>1.44</b>	6.5	<b>2.85</b>	9.5	<b>1.85</b>	6.1	<b>1.58</b>	5.6	<b>0.86</b>	3.5	<b>0.12</b>	0.7	<b>0.2</b>	1.2	6	24	24	-18	0
Lvivska	<b>0.38</b>	1.9	<b>0.47</b>	1.8	<b>0.53</b>	2.0	<b>0.51</b>	2.0	<b>0.52</b>	2.4	<b>0.48</b>	3.2	<b>0.51</b>	3.5	15	14	12	+3	2
Mykolaiivska	<b>1.35</b>	3.1	<b>0.55</b>	2.4	<b>2.02</b>	3.4	<b>1.86</b>	3.4	<b>1.58</b>	3.4	<b>1.38</b>	4.2	<b>1.44</b>	4.6	7	4	3	+4	1
Odeska	<b>0.7</b>	3.3	<b>0.65</b>	2.3	<b>0.75</b>	2.6	<b>0.68</b>	2.6	<b>0.75</b>	3.3	<b>0.73</b>	4.5	<b>0.64</b>	4.2	10	9	9	+1	0
Poltavska	<b>1.49</b>	4.3	<b>2.26</b>	4.9	<b>2.31</b>	4.9	<b>1.81</b>	4.2	<b>1.47</b>	3.9	<b>1.03</b>	3.9	<b>1.01</b>	3.9	5	5	5	0	0
Rivnenska	<b>0.34</b>	0.8	<b>0.47</b>	0.8	<b>0.44</b>	0.7	<b>0.42</b>	0.8	<b>0.41</b>	0.9	<b>0.33</b>	1.0	<b>0.27</b>	0.9	18	19	21	-3	-2
Sumska	<b>0.64</b>	1.5	<b>0.88</b>	1.5	<b>0.98</b>	1.6	<b>0.81</b>	1.5	<b>0.66</b>	1.4	<b>0.54</b>	1.6	<b>0.49</b>	1.5	11	11	13	-2	-2
Ternopil'ska	<b>0.12</b>	0.3	<b>0.22</b>	0.4	<b>0.22</b>	0.3	<b>0.34</b>	0.6	<b>0.36</b>	0.7	<b>0.27</b>	0.8	<b>0.28</b>	0.8	26	22	20	+6	2
Kharkiv'ska	<b>0.52</b>	2.8	<b>0.67</b>	2.7	<b>0.74</b>	2.9	<b>0.72</b>	3.1	<b>0.67</b>	3.4	<b>0.48</b>	3.4	<b>0.38</b>	2.8	12	15	18	-6	-3
Kherson'ska	<b>0.32</b>	0.7	<b>0.31</b>	0.5	<b>0.3</b>	0.5	<b>0.34</b>	0.6	<b>0.34</b>	0.7	<b>0.22</b>	0.6	<b>0.23</b>	0.7	20	23	23	-3	0
Khmelnytska	<b>0.22</b>	0.6	<b>0.3</b>	0.6	<b>0.35</b>	0.8	<b>0.37</b>	0.8	<b>0.39</b>	0.9	<b>0.31</b>	1.1	<b>0.25</b>	0.9	25	20	22	+3	-2
Cherkaska	<b>0.52</b>	1.3	<b>0.83</b>	1.5	<b>0.79</b>	1.5	<b>0.61</b>	1.2	<b>0.5</b>	1.2	<b>0.35</b>	1.1	<b>0.38</b>	1.3	13	18	19	-6	-1
Chernivetska	<b>0.12</b>	0.2	<b>0.15</b>	0.2	<b>0.14</b>	0.2	<b>0.14</b>	0.2	<b>0.14</b>	0.2	<b>0.12</b>	0.3	<b>0.13</b>	0.3	27	25	25	+2	0
Chernihiv'ska	<b>0.29</b>	0.6	<b>0.38</b>	0.6	<b>0.5</b>	0.8	<b>0.52</b>	0.9	<b>0.66</b>	1.3	<b>0.53</b>	1.4	<b>0.42</b>	1.2	23	13	16	+10	-3
Kyiv	<b>2.54</b>	13.8	<b>3.23</b>	13.2	<b>4.51</b>	18.6	<b>4.32</b>	19.5	<b>4.04</b>	21.3	<b>3.06</b>	22.9	<b>2.98</b>	23.6	1	1	1	0	0
Sevastopol	<b>0.26</b>	0.2	<b>0.33</b>	0.2	<b>0.42</b>	0.2	<b>0.25</b>	0.2	-	-	-	-	-	-	24	-	-	-	-

Source: [1-10; 12-17].

Table 11

*Dynamics of import volumes (per capita population) for 2010-2016*

Regions	Volume of imports per 1 person, thousand dollars. USA														Rating			Change in rating	
	2010		2011		2012		2013		2014		2015		2016		2010	2015	2016	2010/ 2016	2015/ 2016
	ths. USD	% to the general volume	ths. USD	% to the general volume	ths. USD	% to the general volume	ths. USD	% to the general volume	ths. USD	% to the general volume	ths. USD	% to the general volume	ths. USD	% to the general volume					
<b>Ukraine</b>	<b>1.32</b>	100.0	<b>1.81</b>	100.0	<b>1.86</b>	100.0	<b>1.69</b>	100.0	<b>1.27</b>	100.0	<b>0.88</b>	100.0	<b>0.92</b>	100.0	–	–	–	–	–
AR Krym	<b>0.17</b>	0.5	<b>0.75</b>	1.8	<b>0.73</b>	1.7	<b>0.53</b>	1.4	–	–	–	–	–	–	24	–	–	–	–
Vinnyska	<b>0.21</b>	0.6	<b>0.23</b>	0.5	<b>0.31</b>	0.6	<b>0.31</b>	0.6	<b>0.27</b>	0.8	<b>0.17</b>	0.7	<b>0.19</b>	0.8	21	20	21	0	-1
Volynska	<b>0.55</b>	0.9	<b>1.02</b>	1.3	<b>0.98</b>	1.2	<b>1.05</b>	1.4	<b>0.74</b>	1.4	<b>0.6</b>	1.7	<b>1.09</b>	2.9	12	6	3	+9	+3
Dnipropetrovska	<b>1.61</b>	8.9	<b>2.02</b>	8.1	<b>1.97</b>	7.7	<b>1.62</b>	6.9	<b>1.41</b>	8.5	<b>0.99</b>	8.6	<b>1.06</b>	8.8	3	3	4	-1	-1
Donetska	<b>0.69</b>	5.1	<b>1.05</b>	5.6	<b>0.95</b>	4.9	<b>0.93</b>	5.3	<b>0.49</b>	3.9	<b>0.28</b>	3.2	<b>0.26</b>	2.8	10	14	16	-6	-2
Zhytomyrska	<b>0.33</b>	0.7	<b>0.36</b>	0.6	<b>0.30</b>	0.5	<b>0.30</b>	0.5	<b>0.23</b>	0.5	<b>0.2</b>	0.7	<b>0.27</b>	0.9	19	17	15	+4	+2
Zakarpatska	<b>1.08</b>	2.2	<b>1.6</b>	2.4	<b>1.60</b>	2.4	<b>1.64</b>	2.7	<b>1.38</b>	3.2	<b>0.81</b>	2.7	<b>0.90</b>	2.9	5	4	5	0	-1
Zaporizka	<b>0.75</b>	2.2	<b>1.26</b>	2.7	<b>1.13</b>	2.4	<b>0.99</b>	2.3	<b>0.89</b>	2.9	<b>0.62</b>	2.9	<b>0.57</b>	2.5	7	5	9	-2	-4
Ivano-Frankivska	<b>0.47</b>	1.1	<b>0.77</b>	1.3	<b>0.71</b>	1.2	<b>0.42</b>	0.8	<b>0.35</b>	0.9	<b>0.21</b>	0.8	<b>0.29</b>	1.0	13	16	14	-1	+2
Kyivska	<b>1.76</b>	5.0	<b>2.48</b>	5.2	<b>2.79</b>	5.7	<b>2.75</b>	6.2	<b>2.18</b>	6.9	<b>1.5</b>	6.9	<b>1.71</b>	7.5	2	2	2	0	0
Kirovohradska	<b>0.18</b>	0.3	<b>0.23</b>	0.3	<b>0.29</b>	0.3	<b>0.24</b>	0.3	<b>0.21</b>	0.4	<b>0.11</b>	0.3	<b>0.19</b>	0.5	23	24	22	+1	+2
Luhanska	<b>0.47</b>	1.8	<b>0.76</b>	2.1	<b>0.88</b>	2.4	<b>0.82</b>	2.4	<b>0.46</b>	1.9	<b>0.14</b>	0.8	<b>0.16</b>	0.9	14	22	23	-9	-1
Lvivska	<b>0.8</b>	3.3	<b>1.26</b>	3.9	<b>1.33</b>	4.0	<b>1.05</b>	3.4	<b>0.98</b>	4.5	<b>0.58</b>	3.9	<b>0.68</b>	4.3	6	7	6	0	+1
Mykolaiivska	<b>0.73</b>	1.4	<b>0.88</b>	1.3	<b>0.76</b>	1.1	<b>0.79</b>	1.2	<b>0.54</b>	1.2	<b>0.5</b>	1.5	<b>0.59</b>	1.7	8	9	7	+1	+2
Odeska	<b>1.49</b>	5.8	<b>1.32</b>	3.8	<b>1.8</b>	5.1	<b>1.44</b>	4.5	<b>0.87</b>	3.8	<b>0.41</b>	2.6	<b>0.52</b>	3.1	4	11	11	-7	0
Poltavska	<b>0.71</b>	1.8	<b>0.76</b>	1.4	<b>0.9</b>	1.6	<b>0.76</b>	1.4	<b>0.76</b>	2.0	<b>0.57</b>	2.2	<b>0.59</b>	2.1	9	8	8	+1	0
Rivnenska	<b>0.38</b>	0.7	<b>0.37</b>	0.5	<b>0.4</b>	0.5	<b>0.28</b>	0.4	<b>0.24</b>	0.5	<b>0.17</b>	0.5	<b>0.22</b>	0.6	16	21	20	-5	+1
Sumska	<b>0.40</b>	0.8	<b>0.70</b>	1.0	<b>0.59</b>	0.8	<b>0.57</b>	0.8	<b>0.49</b>	1.0	<b>0.36</b>	1.1	<b>0.39</b>	1.1	15	12	13	+3	-1
Ternopil'ska	<b>0.19</b>	0.3	<b>0.3</b>	0.4	<b>0.31</b>	0.4	<b>0.33</b>	0.5	<b>0.30</b>	0.6	<b>0.24</b>	0.7	<b>0.26</b>	0.7	22	15	17	+7	-2
Kharkiv'ska	<b>0.66</b>	3.0	<b>0.83</b>	2.8	<b>1.0</b>	3.2	<b>0.83</b>	3.0	<b>0.69</b>	3.5	<b>0.47</b>	3.4	<b>0.55</b>	3.8	11	10	10	+1	0
Kherson'ska	<b>0.15</b>	0.3	<b>0.22</b>	0.3	<b>0.19</b>	0.2	<b>0.26</b>	0.4	<b>0.17</b>	0.3	<b>0.13</b>	0.4	<b>0.16</b>	0.4	26	23	24	+2	-1
Khmelnytska	<b>0.35</b>	0.8	<b>0.42</b>	0.7	<b>0.43</b>	0.7	<b>0.37</b>	0.6	<b>0.27</b>	0.6	<b>0.20</b>	0.7	<b>0.26</b>	0.8	17	18	18	-1	0
Cherkaska	<b>0.29</b>	0.6	<b>0.4</b>	0.6	<b>0.45</b>	0.7	<b>0.13</b>	0.6	<b>0.33</b>	0.8	<b>0.18</b>	0.6	<b>0.24</b>	0.7	20	19	19	+1	0
Chernivetska	<b>0.13</b>	0.2	<b>0.18</b>	0.2	<b>0.19</b>	0.2	<b>0.55</b>	0.2	<b>0.12</b>	0.2	<b>0.09</b>	0.2	<b>0.11</b>	0.2	27	25	25	+2	0
Chernihiv'ska	<b>0.34</b>	0.6	<b>0.51</b>	0.7	<b>0.50</b>	0.6	<b>0.55</b>	0.8	<b>0.50</b>	1.0	<b>0.36</b>	1.0	<b>0.46</b>	1.2	18	13	12	+6	+1
Kyiv	<b>9.29</b>	42.7	<b>8.11</b>	27.6	<b>9.23</b>	30.8	<b>9.34</b>	34.7	<b>7.11</b>	37.1	<b>5.08</b>	38.6	<b>5.6</b>	41.1	1	1	1	0	0
Sevastopol	<b>0.17</b>	0.1	<b>0.27</b>	0.1	<b>0.30</b>	0.2	<b>0.28</b>	0.1	–	–	–	–	–	–	25	–	–	–	–

Source: [1-10; 12-17].

## ПРОБЛЕМИ МЕНЕДЖМЕНТУ ТА РОЗВИТКУ ПРОДУКТИВНИХ СИЛ РЕГІОНУ

In 2010-2011, the volume of imports per capita had a positive dynamics. Beginning in 2012, in most regions there is a decline in this indicator. During 2013-2015 there were fluctuations of the indicator, which confirms the unstable nature of foreign economic relations. In 2016, the positive values of the per capita import volume in all regions are typical, in addition to a slight decline in Donetsk and Zaporizka regions.

In 2016, the group of regional leaders, according to the volume of imports per capita, included: Volynska (\$ 1090), Dnipropetrovska (\$ 1060), Zakarpatska (\$ 900), Kyivska (\$ 1710) and Kyiv city (\$ 5,600).

The last positions in the rating were Vinnytska and Kirovohradska (\$ 190), Luhanska and Khersonska (\$ 160) and Chernivetska (\$ 110).

The average value in the country exceeded only 3 oblasts and Kiev city, which indicates a significant variability of the average per capita import volume in the regions of Ukraine.

The regions with the largest share in the total import of the country in 2016 were: Kyiv city (41.1 %), Dnipropetrovska (8.8 %), Kyivska (7.5 %), Lvivska (4.3 %), Odeska (3.1 %), Kharkivska (3.8 %) of regions.

Among the regions that in 2016 compared with 2010 improved their position in the rating should be noted: Volynska (+9 positions) - 3 place, Zhytomyrska (+4 positions) - 15th place, Kirovogradska, Nikolaevska, Poltavska, Kharkivska and Cherkaska (+1 position) - 22, 7, 8, 10 and 19th place respectively, Sumska (+3 positions) - 13th place, Ternopilska (+7 positions) - 17th place, Khersonska and Chernivetska (+2 positions) - 24 and 25 places, Chernihivska (+6 positions) - 12th place in the rating.

Regions that have fallen in the ranking: Dnipropetrovska, Ivano-Frankivska and Khmelnytska (-1 position) - 4th, 14th and 18th places, Donetsk (-6 positions) - 16th place, Zaporizka (-2 positions) - 9th place, Luganska (- 9 positions) - 23 place, Odeska (-7 positions) - 11 place, Rivnenska (-5 positions) - 20th place in the rating.

Comparing the average per capita import value in 2016 with the previous 2015, significant changes in the regional ranking are not followed. The change in the rating varies  $\pm 1-2$  points, except Volynska (+3 positions) and Zaporizka (-4 positions) areas.

Equally important components of the resource potential of the regions of Ukraine are indicators of the use of fuel and energy resources per capita. The dynamics of the use of electricity, fuel and heat for 2011-2016 is given in Table 12-14.

In 2016, the largest consumers of fuel and energy resources per capita were:

- for electricity use: Dnipropetrovska (7251.4 thousand kWh), Zaporizka (4 883,9 thousand kW · h), Poltavska (2814,2 thousand kW · h), Mykolayivska (2748.5 thousand kW · h) and Donetsk (2 447.5 thousand kW · h) regions;

- for fuel use: Dnipropetrovska (6,5 ths. tons), Zaporizka (5,2 ths. t.p.), Donetsk (3 ths. t.p.), Poltavska (4 ths. t.p.) and Ivano-Frankivska (3.9 thousand tons of dp) of the region;

- from the use of heat: Dnipropetrovska (3.8 thousand Gcal), Mykolaivska (2.9 thousand Gcal), Cherkaska (2.2 thousand Gcal), Rivnenska (2.1 thousand Gcal) and Poltavska (2.0 thousand Gcal) regions.

Among the areas which in 2016 least used fuel and energy resources, the following should be noted:

- for electricity use: Chernihivska (862.5 thousand kW · h), Volynska (728.3 thousand kW · h), Ternopilska (430.8 thousand kW · h), Chernivetska (430.1 thousand kW · h) and Zakarpatska (421.2 thousand kW · h) regions;

- for fuel use: Zhytomyrska, Ternopilska, Zakarpatska (by 1.1 thousand tons), Khersonska and Chernivetska (by 0.8 thousand tons of oil equivalent) of the region;

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- for the use of heat energy: Ternopil'ska (0.8 thousand Gcal), Ivano-Frankiv'ska (0.7 thousand Gcal), Kherson'ska (0.6 thousand Gcal), Zakarpats'ka and Chernivets'ka (0.4 thousand Gcal) regions.

Table 12

*Dynamics of the use of electricity (per capita) for 2011-2016*

Regions	2011		2012		2013		2014		2015		2016		2011/ 2016	2015/ 2016
	kW hours	rank	kW hours	rank	kW hours	rank	kW hours	rank	kW hours	rank	kW hours	rank		
<b>Ukraine</b>	<b>2267.7</b>	–	<b>2223.3</b>	–	<b>2025.1</b>	–	<b>1744.1</b>	–	<b>1679.3</b>	–	<b>2089.6</b>	–	–	–
AR Krym	1155.2	<b>16</b>	1134.1	<b>15</b>	950.1	<b>16</b>	–	–	–	–	–	–	–	–
Vinnyts'ka	1043.9	<b>19</b>	999.4	<b>19</b>	807.8	<b>19</b>	813.5	<b>16</b>	824.5	<b>16</b>	1103.8	<b>17</b>	2	-1
Volyn'ska	731.7	<b>24</b>	689.4	<b>24</b>	566.7	<b>24</b>	571.9	<b>22</b>	531.3	<b>22</b>	728.3	<b>22</b>	2	0
Dnipropetrov'ska	7252.7	<b>1</b>	7432.3	<b>2</b>	67703.9	<b>1</b>	6820.6	<b>1</b>	6402.9	<b>1</b>	7251.4	<b>1</b>	0	0
Donets'ka	4299.4	<b>2</b>	4086.8	<b>3</b>	3705.0	<b>2</b>	1815.6	<b>6</b>	2071.0	<b>6</b>	2447.5	<b>5</b>	-3	1
Zhytomyr'ska	1113.8	<b>17</b>	1064.8	<b>18</b>	968.4	<b>15</b>	951.0	<b>15</b>	895.5	<b>14</b>	981.7	<b>19</b>	-2	-5
Zakarpats'ka	470.2	<b>25</b>	435.2	<b>27</b>	350.7	<b>27</b>	319.2	<b>25</b>	323.3	<b>24</b>	421.2	<b>25</b>	0	-1
Zaporiz'ka	3925.8	<b>3</b>	37161.6	<b>1</b>	3548.8	<b>4</b>	3611.9	<b>2</b>	3460.7	<b>2</b>	4883.9	<b>2</b>	1	0
Ivano-Frankiv'ska	1302.3	<b>14</b>	1133.6	<b>16</b>	787.1	<b>20</b>	639.0	<b>21</b>	709.6	<b>20</b>	1403.7	<b>13</b>	1	7
Kyiv'ska	1433.9	<b>12</b>	1555.2	<b>8</b>	1440.1	<b>10</b>	1323.3	<b>11</b>	1280.2	<b>8</b>	1783.7	<b>8</b>	4	0
Kirovohrad'ska	2300.9	<b>7</b>	2498.0	<b>7</b>	2468.5	<b>6</b>	2472.7	<b>4</b>	2399.2	<b>4</b>	2341.5	<b>6</b>	1	-2
Luhans'ka	3909.5	<b>4</b>	3741.6	<b>4</b>	3678.9	<b>3</b>	1384.0	<b>7</b>	887.7	<b>15</b>	1265.6	<b>15</b>	-11	0
Lviv'ska	1017.5	<b>20</b>	971.4	<b>20</b>	844.1	<b>18</b>	793.2	<b>18</b>	781.7	<b>18</b>	1005.6	<b>18</b>	2	0
Mykolaiv'ska	1542.3	<b>10</b>	1501.4	<b>11</b>	1364.1	<b>12</b>	1279.1	<b>12</b>	1316.5	<b>7</b>	2748.5	<b>4</b>	6	3
Odes'ka	1183.4	<b>15</b>	1166.0	<b>14</b>	975.7	<b>14</b>	977.8	<b>14</b>	1063.8	<b>12</b>	1272.5	<b>14</b>	1	-2
Poltav'ska	2881.8	<b>5</b>	2866.4	<b>5</b>	2619.1	<b>5</b>	2589.9	<b>3</b>	2644.0	<b>3</b>	2814.2	<b>3</b>	2	0
Rivnens'ka	2695.6	<b>6</b>	2528.2	<b>6</b>	2295.8	<b>7</b>	2289.2	<b>5</b>	2261.5	<b>5</b>	2196.8	<b>7</b>	-1	-2
Sum'ska	1328.1	<b>13</b>	1327.1	<b>13</b>	1102.4	<b>13</b>	1019.9	<b>13</b>	941.4	<b>13</b>	1158.2	<b>16</b>	-3	-3
Ternopil'ska	446.8	<b>27</b>	459.1	<b>25</b>	370.2	<b>25</b>	411.8	<b>23</b>	378.2	<b>23</b>	430.8	<b>23</b>	4	0
Kharkiv'ska	1605.5	<b>9</b>	1540.9	<b>9</b>	1419.0	<b>11</b>	1348.4	<b>9</b>	1221.8	<b>9</b>	1490.9	<b>11</b>	-2	-2
Kherson'ska	1068.6	<b>18</b>	1089.0	<b>17</b>	876.7	<b>17</b>	809.5	<b>17</b>	784.0	<b>17</b>	923.3	<b>20</b>	-2	-3
Khmelnits'ka	893.2	<b>22</b>	904.2	<b>22</b>	772.9	<b>21</b>	778.2	<b>19</b>	722.6	<b>19</b>	1425.5	<b>12</b>	10	7
Cherkas'ka	1605.8	<b>8</b>	1503.0	<b>10</b>	1521.3	<b>8</b>	1354.2	<b>8</b>	1189.7	<b>11</b>	1640.1	<b>10</b>	-2	1
Chernivets'ka	461.6	<b>26</b>	452.9	<b>26</b>	358.7	<b>26</b>	410.7	<b>24</b>	321.3	<b>25</b>	430.1	<b>24</b>	2	1
Chernihiv'ska	785.3	<b>23</b>	796.7	<b>23</b>	741.4	<b>23</b>	725.2	<b>20</b>	698.1	<b>21</b>	862.5	<b>21</b>	2	0
Kyiv	1470.3	<b>11</b>	1466.5	<b>12</b>	1463.6	<b>9</b>	1336.8	<b>10</b>	1221.2	<b>10</b>	1723.0	<b>9</b>	2	1
Sevastopol	960.3	<b>21</b>	938.9	<b>21</b>	766.2	<b>22</b>	–	–	–	–	–	–	–	–

Source: [1-10; 12-17].

In 2016, compared to 2011, significant changes in electricity consumption were attributed to Luhans'ka (-11), Mykolaiv'ska (+6 positions), Khmelnyts'ka (+10 positions) regions; from fuel consumption – indicators of Lugans'ka (-5 positions) and Poltav'ska (+5 positions) areas; with the use of heat energy -individual indicators of Vinnyts'ka (+7 positions), Volyn'ska (-5 positions), Zhytomyr'ska (-7 positions), Ivano-Frankiv'ska (-10 positions) of Kirovohrad'ska (+8 positions) and Luhans'ka (-13 positions) regions.

Consider the situation that has developed with the nature-resource potential and environmental protection. According to the State Agency of Land Resources of Ukraine in 2016, the land fund of Ukraine amounted to 60 354.9 thousand hectares, of which 42 726.4 – agricultural land, 10 633.1 – forests, 2552.9 – land for construction, 2426.4 – land under water.

Large area of agricultural land are Odes'ka, Kharkiv'ska, Dnipropetrov'ska, Poltav'ska, Zaporiz'ka, Chernihiv'ska, Vinnyts'ka, Nikolaev'ska, Kirovohrad'ska, Donets'ka regions.

The smallest agricultural land in the cities of Kyiv and Sevastopol, as well as in Chernivtsi region.



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Forests occupy a large area in the following areas: Zhytomyrska, Rivnenska, Zakarpatska, Chernigivska, Volynska, Ivano-Frankivska, Kievska, Lvivska regions. The opposite is the situation in such areas as Zaporizka, Kirovogradska, Dnipropetrovska, Khersonska regions, as well as cities of Kyiv and Sevastopol (only 35.3 and 35.5 thousand hectares respectively).

Table 13

*Dynamics of fuel use (per capita) for 2011-2016*

Regions	2011		2012		2013		2014		2015		2016		2011/ 2016	2015/ 2016
	ths tone of c.f.	rank	ths tone of c.f.	rank	ths tone of c.f.	rank	ths tone of c.f.	rank	ths tone of c.f.	rank	ths tone of c.f.	rank		
<b>Ukraine</b>	<b>2.2</b>	–	<b>2.1</b>	–	<b>2.1</b>	–	<b>1.7</b>	–	<b>1.6</b>	–	<b>2.7</b>	–	–	–
AR Krym	0.7	<b>16</b>	0.7	<b>16</b>	0.6	<b>16</b>	–	–	–	–	–	–	–	–
Vinnytska	1.3	<b>10</b>	1.4	<b>9</b>	1.7	<b>7</b>	1.5	<b>8</b>	1.5	<b>5</b>	2.1	<b>10</b>	0	-5
Volynska	0.4	<b>21</b>	0.4	<b>20</b>	0.3	<b>22</b>	0.3	<b>20</b>	0.3	<b>19</b>	1.1	<b>20</b>	1	-1
Dnipropetrovska	5.4	<b>2</b>	5.5	<b>2</b>	5.2	<b>2</b>	4.8	<b>1</b>	3.9	<b>2</b>	6.5	<b>1</b>	1	1
Donetska	6.7	<b>1</b>	6.3	<b>1</b>	6.2	<b>1</b>	4.0	<b>2</b>	4.2	<b>1</b>	4.8	<b>3</b>	-2	-2
Zhytomyrska	0.4	<b>22</b>	0.4	<b>21</b>	0.4	<b>20</b>	0.4	<b>19</b>	0.3	<b>20</b>	1.1	<b>21</b>	1	-1
Zakarpatska	0.1	<b>27</b>	0.1	<b>27</b>	0.1	<b>27</b>	0.1	<b>25</b>	0.1	<b>24</b>	0.8	<b>23</b>	4	1
Zaporizka	3.5	<b>3</b>	3.3	<b>5</b>	3.4	<b>3</b>	3.5	<b>3</b>	3.6	<b>3</b>	5.2	<b>2</b>	1	1
Ivano-Frankivska	3.4	<b>5</b>	3.4	<b>3</b>	3.4	<b>4</b>	3.3	<b>4</b>	3.2	<b>4</b>	3.9	<b>5</b>	0	-1
Kyivska	1.8	<b>7</b>	1.4	<b>10</b>	1.8	<b>6</b>	1.5	<b>9</b>	1.2	<b>7</b>	2.4	<b>8</b>	-1	-1
Kirovogradska	0.6	<b>19</b>	0.7	<b>17</b>	0.7	<b>15</b>	0.7	<b>15</b>	0.6	<b>15</b>	1.3	<b>16</b>	3	-1
Luhanska	3.5	<b>4</b>	3.4	<b>4</b>	3.2	<b>5</b>	2.3	<b>5</b>	1.1	<b>10</b>	2.4	<b>9</b>	-5	1
Lvivska	0.9	<b>12</b>	1.0	<b>12</b>	0.9	<b>11</b>	0.8	<b>12</b>	0.8	<b>12</b>	1.6	<b>13</b>	-1	-1
Mykolaivska	0.9	<b>13</b>	0.9	<b>13</b>	0.9	<b>12</b>	0.8	<b>13</b>	0.8	<b>13</b>	1.5	<b>14</b>	-1	-1
Odeska	0.4	<b>23</b>	0.4	<b>22</b>	0.4	<b>21</b>	0.3	<b>21</b>	0.3	<b>21</b>	1.2	<b>19</b>	4	2
Poltavska	1.6	<b>9</b>	1.6	<b>8</b>	1.6	<b>8</b>	1.6	<b>7</b>	1.5	<b>6</b>	4.7	<b>4</b>	5	2
Rivnenska	0.7	<b>17</b>	0.6	<b>18</b>	0.5	<b>17</b>	0.5	<b>17</b>	0.5	<b>17</b>	1.3	<b>17</b>	0	0
Sumska	0.8	<b>15</b>	0.8	<b>15</b>	0.8	<b>14</b>	0.7	<b>16</b>	0.6	<b>16</b>	1.5	<b>15</b>	0	1
Ternopil'ska	0.3	<b>25</b>	0.3	<b>24</b>	0.2	<b>24</b>	0.3	<b>22</b>	0.2	<b>23</b>	1.1	<b>22</b>	3	1
Kharkiv'ska	2.0	<b>6</b>	2.0	<b>6</b>	0.2	<b>25</b>	1.7	<b>6</b>	1.1	<b>11</b>	3.1	<b>6</b>	0	5
Kherson'ska	0.4	<b>24</b>	0.3	<b>25</b>	0.3	<b>23</b>	0.3	<b>23</b>	0.3	<b>22</b>	0.8	<b>24</b>	0	-2
Khmelnyska	0.7	<b>18</b>	0.6	<b>19</b>	0.5	<b>18</b>	0.5	<b>18</b>	0.5	<b>18</b>	1.3	<b>18</b>	0	0
Cherkaska	1.2	<b>11</b>	1.1	<b>11</b>	1.5	<b>10</b>	1.2	<b>11</b>	1.2	<b>8</b>	2.8	<b>7</b>	4	1
Chernivetska	0.2	<b>26</b>	0.2	<b>26</b>	0.2	<b>26</b>	0.2	<b>24</b>	0.1	<b>25</b>	0.8	<b>25</b>	1	0
Chernihiv'ska	0.9	<b>14</b>	0.9	<b>14</b>	0.9	<b>13</b>	0.8	<b>14</b>	0.7	<b>14</b>	1.7	<b>11</b>	3	3
Kyiv	1.8	<b>8</b>	1.8	<b>7</b>	1.6	<b>9</b>	1.4	<b>10</b>	1.2	<b>9</b>	1.7	<b>12</b>	-4	-3
Sevastopol	0.6	<b>20</b>	0.4	<b>23</b>	0.5	<b>19</b>	–	–	–	–	–	–	–	–

Source: [1-10; 12-17].

The state of use of water resources is estimated through the indicator «water sampling from natural water objects for use».

In total, in 2016, 9907 million cubic meters of water was collected from natural sources, or 233 090 million tons per 1 person, which is less by almost 50 % than in 2010 (14 846 million cubic meters and 323 648 million tons respectively).

The largest water consumption is observed in Donetska (1501 million m<sup>3</sup>); Khersonska (1432 million m<sup>3</sup>), Dnipropetrovska (1286 million m<sup>3</sup>), Zaporizka (1094 million m<sup>3</sup>) regions. The least is Zakarpatska (38 million m<sup>3</sup>), Ternopil'ska (50 million m<sup>3</sup>) and Chernivetska (66 million m<sup>3</sup>) regions.

Pollution of atmospheric air by degree of chemical danger for a person takes the first place. This is due, first of all, to the fact that pollutants from the atmospheric air are the most widely spread and fall into different environments.

## ПРОБЛЕМИ МЕНЕДЖМЕНТУ ТА РОЗВИТКУ ПРОДУКТИВНИХ СИЛ РЕГІОНУ

While in 2010, stationary and mobile sources of air pollution emitted 4.1 million tons of pollutants, which per capita is 90.1 tons, in 2016 there is a decrease of these indicators by almost 25 %, which amount to 3.1 million tons and 72.4 tons respectively.

If we compare the regional cut of emissions into the atmosphere per unit of population, then the most unprofitable are the industrial regions: Donetska, Dnipropetrovska, and Luganska regions.

Table 14

*The dynamics of heat energy use (per capita) for 2011-2016*

Regions	2011		2012		2013		2014		2015		2016		2011/ 2016	2015/ 2016
	ths. Gcal	rank	ths. Gcal	rank	ths. Gcal	rank	ths. Gcal	rank	ths. Gcal	rank	ths. Gcal	rank		
<b>Ukraine</b>	<b>2.0</b>	–	<b>1.9</b>	–	<b>1.5</b>	–	<b>1.2</b>	–	<b>1.0</b>	–	<b>1.4</b>	–	–	–
AR Krym	1.8	<b>11</b>	1.7	<b>11</b>	1.4	<b>11</b>	–	–	–	–	–	–	–	–
Vinnytska	1.2	<b>16</b>	1.1	<b>16</b>	0.9	<b>15</b>	1.0	<b>12</b>	0.9	<b>10</b>	1.3	<b>9</b>	7	1
Volynska	1.3	<b>14</b>	1.1	<b>17</b>	0.6	<b>20</b>	0.6	<b>21</b>	0.5	<b>21</b>	0.8	<b>19</b>	-5	2
Dnipropetrovska	3.1	<b>3</b>	3.0	<b>2</b>	2.3	<b>3</b>	2.2	<b>2</b>	2.0	<b>2</b>	3.8	<b>1</b>	2	1
Donetska	3.7	<b>1</b>	3.6	<b>1</b>	2.9	<b>1</b>	1.3	<b>9</b>	1.4	<b>6</b>	1.4	<b>8</b>	-7	-2
Zhytomyrska	1.2	<b>17</b>	1.1	<b>18</b>	0.7	<b>18</b>	0.7	<b>16</b>	0.6	<b>16</b>	1.0	<b>14</b>	3	2
Zakarpatska	0.4	<b>26</b>	0.4	<b>25</b>	0.4	<b>24</b>	0.3	<b>24</b>	0.2	<b>25</b>	0.4	<b>24</b>	2	1
Zaporizka	2.3	<b>8</b>	2.2	<b>9</b>	1.9	<b>7</b>	1.8	<b>4</b>	1.6	<b>4</b>	1.7	<b>7</b>	1	-3
Ivano-Frankivska	1.4	<b>12</b>	1.2	<b>14</b>	0.6	<b>21</b>	0.5	<b>22</b>	0.5	<b>22</b>	0.7	<b>22</b>	-10	0
Kyivska	2.1	<b>10</b>	2.1	<b>10</b>	1.8	<b>9</b>	1.4	<b>8</b>	1.2	<b>8</b>	1.8	<b>6</b>	4	2
Kirovohradska	1.1	<b>18</b>	1.0	<b>19</b>	1.1	<b>12</b>	1.2	<b>10</b>	1.1	<b>9</b>	1.2	<b>10</b>	8	-1
Luhanska	3.4	<b>2</b>	3.0	<b>3</b>	2.2	<b>4</b>	1.2	<b>11</b>	0.8	<b>11</b>	1.0	<b>15</b>	-13	-4
Lvivska	0.8	<b>22</b>	0.8	<b>23</b>	0.7	<b>19</b>	0.7	<b>17</b>	0.6	<b>17</b>	0.8	<b>20</b>	2	-3
Mykolaivska	3.0	<b>5</b>	2.8	<b>4</b>	2.5	<b>2</b>	2.3	<b>1</b>	2.3	<b>1</b>	2.9	<b>2</b>	3	-1
Odeska	1.1	<b>19</b>	1.2	<b>15</b>	0.8	<b>16</b>	0.7	<b>18</b>	0.8	<b>12</b>	0.9	<b>17</b>	2	-5
Poltavska	2.7	<b>7</b>	2.5	<b>6</b>	1.8	<b>10</b>	1.7	<b>6</b>	1.5	<b>5</b>	2.0	<b>5</b>	2	0
Rivnenska	3.1	<b>4</b>	2.7	<b>5</b>	2.0	<b>6</b>	2.0	<b>3</b>	1.8	<b>3</b>	2.1	<b>4</b>	0	-1
Sumska	1.3	<b>15</b>	1.3	<b>12</b>	0.8	<b>17</b>	0.7	<b>19</b>	0.6	<b>18</b>	1.1	<b>12</b>	3	6
Ternopil'ska	0.8	<b>23</b>	0.9	<b>22</b>	0.5	<b>23</b>	0.9	<b>14</b>	0.6	<b>19</b>	0.8	<b>21</b>	2	-2
Kharkiv'ska	1.4	<b>13</b>	1.3	<b>13</b>	1.0	<b>13</b>	1.0	<b>13</b>	0.8	<b>13</b>	1.2	<b>11</b>	2	2
Kherson'ska	0.6	<b>24</b>	0.6	<b>24</b>	0.3	<b>26</b>	0.3	<b>25</b>	0.3	<b>23</b>	0.6	<b>23</b>	1	0
Khmelnitska	1.0	<b>20</b>	1.0	<b>20</b>	0.6	<b>22</b>	0.7	<b>20</b>	0.6	<b>20</b>	1.0	<b>16</b>	4	4
Cherkaska	3.0	<b>6</b>	2.5	<b>7</b>	1.9	<b>8</b>	1.8	<b>5</b>	1.4	<b>7</b>	2.2	<b>3</b>	3	4
Chernivetska	0.4	<b>27</b>	0.4	<b>26</b>	0.4	<b>25</b>	0.4	<b>23</b>	0.3	<b>24</b>	0.4	<b>25</b>	2	-1
Chernihiv'ska	1.0	<b>21</b>	1.0	<b>21</b>	1.0	<b>14</b>	0.9	<b>15</b>	0.8	<b>14</b>	0.9	<b>18</b>	3	-4
Kyiv	2.2	<b>9</b>	2.3	<b>8</b>	2.2	<b>5</b>	1.6	<b>7</b>	0.8	<b>15</b>	1.1	<b>13</b>	-4	2
Sevastopol	0.6	<b>25</b>	0.4	<b>27</b>	0.3	<b>27</b>	–	–	–	–	–	–	–	–

Source: [1-10; 12-17].

The lowest volumes of emissions per person are in the regions of mainly agrarian direction, which do not have large industrial enterprises – Chernivetska, Kherson'ska, Volyn'ska regions.

From stationary sources of pollution in 2016, 3078.1 thousand tons of air has arrived in the atmosphere, which is 1053.5 thousand tons less than in 2010.

The largest emissions from stationary sources were observed in the Donetska region: in 2010 – 1378.1 thousand tons, in 2016 – 981.4 thousand tons; Dnipropetrovska: in 2010 – 933.1 thousand tons, in 2016 - 833.0 thousand tons; Luganska: 2010 – 511.71 thousand tons, in 2016 – 155.5 thousand tons.

To assess the anthropogenic load on the environment, the indicator of the availability of waste I-II. Dangers at waste disposal sites and on the territory of enterprises per 1 sq. km.

As of 2016, 513.2 tons of waste has been accumulated on the territory of enterprises of the country, of which 1.1 tons belongs to the 1st-3rd hazard class, and to 512.1 tons to IV.

The largest anthropogenic load is experienced by the Dnipropetrovska region, in the territory of which 6451.4 tons of waste of the IV class of hazard is stored and 1,6 tons – I-III class; Kirovogradska – 1398.5 and 0,2 tons respectively; cities of Kyiv – 2077.0 and 8.9 tons respectively.

Regarding the generation of waste per 1 person in general in Ukraine, this indicator is 6919.0 kg (2016). The highest value of the indicator is: Dnipropetrovska (63 466.1 kg), Kirovogradska (35 486.1 kg) regions. And the least – Zakarpatska (122.5 kg), Odeska (267.7 kg), Khersonska (334.5 kg) regions.

**Conclusions.** The concept of resource potential is characterized as a complex, complex category, which has a socio-economic, economic-historical and ecological and economic character. Ways and means of using the aggregate resource potential of social development should be based on effective market mechanisms of development with obligatory state control and regulation of socio-economic processes and the economic and natural balance of management.

As a result, the study analyzed the dynamics and given the rating of the basic indicators that characterize the resource potential of the regions of Ukraine, among which are: dynamics of gross regional product, dynamics of volume of sold industrial products, dynamics of production of agricultural products, dynamics of the volume of services sold by enterprises of the service sector to different consumers, dynamics of retail turnover, dynamics of available income, the cost dynamics, dynamics of export volumes, dynamics of import volumes, dynamics of the use of electricity, dynamics of fuel use and the dynamics of heat energy use. Highlighted regions-leaders, middle and regions outsiders for each of the studied indicators.

The main problem of modern Ukraine lies in the fact that, with rich natural and human resources, it has not yet reached this stage of development, which would provide the high standards of quality of life and the sufficient conditions for national security. An effective baseline approach to resolving these contradictions, as well as improve the use of resources and in General, its potential is the development of territorial governance that is associated with a real strengthening of local governments and increasing the effectiveness of regional policy. At the same time new public management reforms in modern Ukraine have aimed at the efficient use of the resource potential of all its territories.

### References

1. Osaulenko, O. H. (Ed.) (2010). *Statystychnyi zbirnyk «Rehiony Ukrainy» 2010 [Statistical collection «Regions of Ukraine» 2010]*. Part I. Kyiv: Derzhavna sluzhba statystyky Ukrainy [in Ukrainian].
2. Osaulenko, O. H. (Ed.) (2010). *Statystychnyi zbirnyk «Rehiony Ukrainy» 2010 [Statistical collection «Regions of Ukraine» 2010]*. Part II. Kyiv: Derzhavna sluzhba statystyky Ukrainy [in Ukrainian].
3. Osaulenko, O. H. (Ed.) (2011). *Statystychnyi zbirnyk «Rehiony Ukrainy» 2011 [Statistical collection «Regions of Ukraine» 2011]*. Part I. Kyiv: Derzhavna sluzhba statystyky Ukrainy [in Ukrainian].
4. Osaulenko, O. H. (Ed.) (2011). *Statystychnyi zbirnyk «Rehiony Ukrainy» 2011 [Statistical collection «Regions of Ukraine» 2011]*. Part II. Kyiv: Derzhavna sluzhba statystyky Ukrainy [in Ukrainian].
5. Osaulenko, O. H. (Ed.) (2012). *Statystychnyi zbirnyk «Rehiony Ukrainy» 2012 [Statistical collection «Regions of Ukraine» 2012]*. Part I. Kyiv: Derzhavna sluzhba statystyky Ukrainy [in Ukrainian].
6. Osaulenko, O. H. (Ed.) (2012). *Statystychnyi zbirnyk «Rehiony Ukrainy» 2012 [Statistical collection «Regions of Ukraine» 2012]*. Part II. Kyiv: Derzhavna sluzhba statystyky Ukrainy [in Ukrainian].
7. Osaulenko, O. H. (Ed.) (2013). *Statystychnyi zbirnyk «Rehiony Ukrainy» 2013 [Statistical collection «Regions of Ukraine» 2013]*. Part I. Kyiv: Derzhavna sluzhba statystyky Ukrainy [in Ukrainian].
8. Osaulenko, O. H. (Ed.) (2013). *Statystychnyi zbirnyk «Rehiony Ukrainy» 2013 [Statistical collection «Regions of Ukraine» 2013]*. Part II. Kyiv: Derzhavna sluzhba statystyky Ukrainy [in Ukrainian].
9. Osaulenko, O. H. (Ed.) (2014). *Statystychnyi zbirnyk «Rehiony Ukrainy» 2014 [Statistical collection «Regions of Ukraine» 2014]*. Part I. Kyiv: Derzhavna sluzhba statystyky Ukrainy [in Ukrainian].
10. Osaulenko, O. H. (Ed.) (2014). *Statystychnyi zbirnyk «Rehiony Ukrainy» 2014 [Statistical collection «Regions of Ukraine» 2014]*. Part II. Kyiv: Derzhavna sluzhba statystyky Ukrainy [in Ukrainian].
11. Popelo, O. V. (2016). *Metodychni pidkhody do otsinky rivnia modernizatsii produktyvnykh syl [Methodological approaches to assessing the level of modernization of productive forces]*. *Visnyk Odeskoho natsionalnoho universytetu. Seriya Ekonomika – Bulletin of Odessa National University. Series Economics*, 21 (7-1 (49)), 109-113 [in Ukrainian].

## ПРОБЛЕМИ МЕНЕДЖМЕНТУ ТА РОЗВИТКУ ПРОДУКТИВНИХ СИЛ РЕГІОНУ

12. Verner, I. Ye. (Ed.) (2017). *Statystychnyi zbirnyk «Rehiony Ukrainy» 2017 [Statistical collection «Regions of Ukraine» 2017]*. Part I. Kyiv: Derzhavna sluzhba statystyky Ukrainy [in Ukrainian].
13. Verner, I. Ye. (Ed.) (2017). *Statystychnyi zbirnyk «Rehiony Ukrainy» 2017 [Statistical collection «Regions of Ukraine» 2017]*. Part II. Kyiv: Derzhavna sluzhba statystyky Ukrainy [in Ukrainian].
14. Zhuk, I. M. (Ed.) (2015). *Statystychnyi zbirnyk «Rehiony Ukrainy» 2015 [Statistical collection «Regions of Ukraine» 2015]*. Part I. Kyiv: Derzhavna sluzhba statystyky Ukrainy [in Ukrainian].
15. Zhuk, I. M. (Ed.) (2015). *Statystychnyi zbirnyk «Rehiony Ukrainy» 2015 [Statistical collection «Regions of Ukraine» 2015]*. Part II. Kyiv: Derzhavna sluzhba statystyky Ukrainy [in Ukrainian].
16. Zhuk, I. M. (Ed.) (2016). *Statystychnyi zbirnyk «Rehiony Ukrainy» 2016 [Statistical collection «Regions of Ukraine» 2016]*. Part I. Kyiv: Derzhavna sluzhba statystyky Ukrainy [in Ukrainian].
17. Zhuk, I. M. (Ed.) (2016). *Statystychnyi zbirnyk «Rehiony Ukrainy» 2016 [Statistical collection «Regions of Ukraine» 2016]*. Part II. Kyiv: Derzhavna sluzhba statystyky Ukrainy [in Ukrainian].

**References (in language original)**

1. Статистичний збірник «Регіони України» 2010. Частина I / за ред. О. Г. Осауленка. Київ: Державна служба статистики України, 2010. 368 с.
2. Статистичний збірник «Регіони України» 2010. Частина II / за ред. О. Г. Осауленка. Київ: Державна служба статистики України, 2010. 805 с.
3. Статистичний збірник «Регіони України» 2011. Частина I / за ред. О. Г. Осауленка. Київ: Державна служба статистики України, 2011. 358 с.
4. Статистичний збірник «Регіони України» 2011. Частина II / за ред. О. Г. Осауленка. Київ: Державна служба статистики України, 2011. 783 с.
5. Статистичний збірник «Регіони України» 2012. Частина I / за ред. О. Г. Осауленка. Київ: Державна служба статистики України, 2012. 310 с.
6. Статистичний збірник «Регіони України» 2012. Частина II / за ред. О. Г. Осауленка. Київ: Державна служба статистики України, 2012. 801 с.
7. Статистичний збірник «Регіони України» 2013. Частина I / за ред. О. Г. Осауленка. Київ: Державна служба статистики України, 2013. 322 с.
8. Статистичний збірник «Регіони України» 2013. Частина II / за ред. О. Г. Осауленка. Київ: Державна служба статистики України, 2013. 783 с.
9. Статистичний збірник «Регіони України» 2014. Частина I / за ред. О. Г. Осауленка. Київ: Державна служба статистики України, 2014. 299 с.
10. Статистичний збірник «Регіони України» 2014. Частина II / за ред. О. Г. Осауленка. Київ: Державна служба статистики України, 2014. 733 с.
11. Попело О. В. Методичні підходи до оцінки рівня модернізації продуктивних сил. *Вісник Одеського національного університету. Серія: Економіка*. 2016. Т. 21. Вип. 7 (1). С. 109–114.
12. Статистичний збірник «Регіони України» 2017. Частина I / за ред. І. Є. Вернера. Київ: Державна служба статистики України, 2017. 323 с.
13. Статистичний збірник «Регіони України» 2017. Частина II / за ред. І. Є. Вернера. Київ: Державна служба статистики України, 2017. 687 с.
12. Статистичний збірник «Регіони України» 2015. Частина I / за ред. І. М. Жук. Київ: Державна служба статистики України, 2015. 305 с.
13. Статистичний збірник «Регіони України» 2015. Частина II / за ред. І. М. Жук. Київ: Державна служба статистики України, 2015. 681 с.
14. Статистичний збірник «Регіони України» 2016. Частина I / за ред. І. М. Жук. Київ: Державна служба статистики України, 2016. 299 с.
15. Статистичний збірник «Регіони України» 2016. Частина II / за ред. І. М. Жук. Київ: Державна служба статистики України, 2016. 692 с.

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