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Inhalt / Content

CHAPTER 1. CONCEPTUAL BASIS OF ACCOUNTING AS A SYSTEM

Introduction	9
1.1. Definition of the system and accounting.....	9
1.2. Current classification of systems	11
1.3. Defining the purpose of the system.....	13
1.4. Components of the system and their relationship	15
Conclusions	18

CHAPTER 2. PECULIARITIES OF RETAIL ENTERPRISES DEVELOPMENT

Introduction	21
2.1. Features of the retail trade market development in Ukraine.....	22
2.2. Changes in consumer behavior of retail customers	24
2.3. Key success factors of retail enterprises	25
2.4. Formation of consumer values in the retail sector	28
Conclusions	32

CHAPTER 3. FINANCIAL AND ECONOMIC ASPECTS OF THE EUROPEAN INTEGRATION COURSE OF UKRAINIAN ENTERPRISES

Introduction	33
3.1. Prerequisites for European integration of Ukrainian enterprises.....	33
3.2. The current state of European integration processes in Ukraine	36
Conclusions	40

CHAPTER 4. REPORT ON PAYMENTS TO GOVERNMENT AS A TOOL OF INCREASING TAX TRANSPARENCY OF UNDERTAKINGS ACTIVE IN EXTRACTIVE INDUSTRY

Introduction	41
4.1. Report on payments to government: the state and issues of implementation	42
Conclusions	46

CHAPTER 5. STATE AND LEGAL REGULATION OF BUSINESS ACTIVITY IN UKRAINE

Introduction	33
5.1. State regulation of entrepreneurial activity.....	33
5.2. Legal support of entrepreneurship in Ukraine	36
Conclusions	40



CHAPTER 6. CURRENT ASSETS MANAGEMENT AT RETAIL ENTERPRISES

Introduction	54
6.1. Structural analysis of current assets of the company "KOPILKA"	54
6.2. Forecasting the provision of current assets of the company "KOPILKA"	58
6.3. Forecasting the liquidity of the balance sheet of the company "KOPILKA"	59
Conclusions	61

CHAPTER 7. ENVIRONMENTAL TAXES IN THE GLOBAL PARADIGM OF ECONOMICS

Introduction	62
7.1. Basic global systems of environmental taxation.....	62
7.2. Functions of environmental taxes	64
7.3. Global models of environmental taxes efficacy.....	64
Conclusions	67

CHAPTER 8. IMPLEMENTATION OF COUNTRY STRATEGIES IN DEVELOPMENT INDUSTRY 4.0: TEAMWORK OF EXPERTS

Introduction	68
8.1. Consolidation of experts - success in the implementation of effective programs of countries in the development of Industry 4.0.....	68
8.2. Collaboration of expert teams in the development of national policy strategies of states in Industry 4.0.....	72
Conclusions	74

CHAPTER 9. ASSESSMENT OF THE STANDARD AND QUALITY OF LIFE OF THE POPULATION: THEORETICAL AND METHODOLOGICAL ASPECTS

Introduction	75
9.1. Theoretical foundations for assessing the level and quality of life of the population.....	75
9.2. Analysis of methods for assessing the level and quality of life.....	77
Conclusions	81

CHAPTER 10. ASSESSMENT OF THE LEVEL OF EMPLOYMENT OF THE POPULATION AND ITS IMPACT ON THE ECONOMIC INDICATORS OF THE DEVELOPMENT OF THE REGION

Introduction	82
10.1. Analysis of the dynamics and structure of employment in the Rostov region	82
10.2. Assessment of the intensity of structural changes in the level of employment and its impact on economic indicators of development in the Rostov region	86

Conclusions 88

CHAPTER 11. ORGANIZATIONAL CHANGE MANAGEMENT IS A KEY ESSENCE FOR THE SUCCESS OF MODERN ENTERPRISES

Introduction 89
11.1. Features of the modern business environment: sustainable development and VUCA challenges 90
11.2. The essence and purpose of managing the organizational changes in the modern business environment 90
11.3. The elaboration of an organizational change management system 93
Conclusions 97

CHAPTER 12. ACCOUNTING VALUE ASSESSMENT IN THE ENTERPRISE MANAGEMENT SYSTEM

Introduction 98
12.1. Regulatory support for accounting valuation of business in Ukraine 99
12.2. Methodical approaches to cost estimation in the enterprise management system 101
Conclusions 103

CHAPTER 13. MODERN TRENDS OF RESTAURANT CATERING DEVELOPMENT IN UKRAINE

Introduction 104
13.1. The concept and types of restaurant catering 105
13.2. Analysis of existing types of restaurant catering in Ukraine 109
13.3. Modern trends in the development of restaurant catering in Ukraine and the world 112
Conclusions 115

CHAPTER 14. SOCIAL AND EDUCATIONAL SIGNIFICANCE OF TOURISM FOR THE DEVELOPMENT OF PRESCHOOL CHILDREN

Introduction 117
14.1. Analysis of recent research and publications 117
14.2. Presentation of the main material of the study 118
Conclusions 124

CHAPTER 15. THE CONCEPT OF CLIMATE JUSTICE

Introduction 125
15.1. Definition of climatic justice 126
15.2. Achieving climate justice 129
15.3. Climate activism in the context of intensification of climate action 131
15.3. Climate change and human rights 133
Conclusions 136



CHAPTER 16. SOME ASPECTS OF LEGAL REGULATION OF LABOR OF CIVIL SERVANTS: EXPERIENCE OF UKRAINE AND GERMANY

Introduction 138
16.1. Evolution of legislation on labor regulation of civil servants..... 139
16.2. Issues of legal regulation of joining the civil service and further professional development 140
16.3. Unity and differentiation of legal regulation of labor of civil servants ... 142
Conclusions 143

CHAPTER 17. RIGHT TO PROTECTION OF LIFE AND HEALTH: CIVIL AND CRIMINAL LAW ASPECTS

Introduction 145
17.1. Right to protection of life and health: civil and legal aspects..... 145
17.2. Criminal protection of the person life and health 148
Conclusions 150

References 152



KAPITEL 7 / CHAPTER 7. ENVIRONMENTAL TAXES IN THE GLOBAL PARADIGM OF ECONOMICS

ЕКОЛОГІЧНІ ПОДАТКИ У СВІТОВІЙ ПАРАДИГМІ ЕКОНОМІЧНОЇ НАУКИ

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Introduction

The need to greening a tax policy is dictated by the deterioration of the environment. Most countries in the world are reorienting their national financial systems under the influence of foreign experience, based on the best practices of greening the economy worldwide. Of course, the degree of effectiveness of tax system reform is primarily determined by the national specifics and mentality of the subjects to whom these reforms apply. However, globally, we consider it necessary to outline main systems of environmental taxes, which in one way or another have demonstrated their effectiveness.

7.1. Basic global systems of environmental taxation

Japanese system of environmental taxes. Compared to other industrialized countries, Japan has achieved great success in the economic and scientific areas. In Japan, there acts the law “On Combating the Atmospheric Air Pollution” adopted in 1970. According to this law, the country has a system of monetary compensation for damage to the health of persons affected by pollution caused by companies-emitters. This law is based on the classic postulates of the Pigouvian approach, the “polluter pays”. Payments for water pollution take the form of penalties in Japan. The amount of the fine depends on the degree of pollution, which is determined by comparing the level of environmental damage with environmental standards. There are payments for air pollution caused by noise and concentration of harmful substances. It should be noted that in Japan there are some of the highest standards for air pollution, which exceed similar parameters of other countries by 2–3 times [1]. There are also special surcharges to payments for hazardous industries and goods, for excessive emissions of sulfur dioxide. In 2012, Japan introduced a carbon tax, citing it with the need to participate in solving the problem of global warming. This tax applies to all types of fossil fuels. As a result, in 2017, greenhouse gas emissions in Japan decreased by 1.2%. The Japanese environmental tax system is considered to be a binary one, as it is represented by a group of energy (64%) and transport taxes (36%) [2].

Taxes related to car use and gasoline consumption show the highest fiscal efficiency (55% and 26% respectively). According to the degree of greening of the tax system, Japan ranks second in the world ranking of the Green Tax Index [3].

American environmental tax system. In the United States, there are national peculiarities in the field of environmental payment collection. Thus, nature users are charged with special payments for the right to pollute the air, discharge wastewater, for the use of drinking water, for the placement of hazardous and solid wastes, and so



on. There is also a fee for the discharge of industrial wastewater. The amount of the fee is determined by each state separately depending on the category of environmental threat. For example, in the state of California, the fee for the discharge of toxic wastewater exceeds 16 thousand dollars [1]. A similar principle applies to soil contamination with toxic substances. Municipal wastes are also addressed at the state level and are most effectively addressed in Missouri. In order to stimulate the processing of car tires, the authorities introduced a special tax of 50 cents on each car tire [1]. A special feature of environmental taxes in the United States is their high level, which causes excessive tax pressure on nature users, and therefore industries with a high degree of pollution are exported to other countries with lower environmental standards and payments. At the same time, in the United States there is a large list of tax preferences and benefits that encourage economic operators to ecologically constructive economic activity. In 2008, a carbon tax was introduced in Canada, resulting in a reduction in fuel consumption. Thus, in British Columbia, fuel consumption decreased by 17.4% per capita [1]. Some imported cars in Canada are subject to a green tax. The tax is not applied to national vehicles and those exported from abroad. There is an environmental tax on non-environmental goods. The tax is levied on all products in aerosol packaging, pharmaceuticals, syringes, toxic products, etc. According to the level of greening of the national tax system, the United States ranks first in the world [3].

Pan-European environmental tax system. The idea of environmental tax reform was first put forward by the Scandinavian countries, and then the initiative was supported by other countries – Germany, Great Britain, and Italy. Of particular interest and wide application in the practice of environmental taxation are energy taxes as a tool of environmental protection, the increase of which was dictated by the need to reduce emissions of greenhouse gases, carbon dioxide in particular. In addition, energy taxes have a high potential to replenish budget revenues (4.72%) [4, p. 115].

Types of environmental taxes in the EU Member States include [5; 6, p. 38]:

1. Fee for water pollution (Germany, France, Austria, Finland, Ireland, Poland, Estonia, Latvia, Czech Republic, Netherlands).
2. Tax on harmful products:
 - 1.1. TV and computer disposal fee (Germany, Slovakia, Lithuania).
 - 1.2. Fees for products that do not meet certain environmental standards (Poland).
 - 1.3. Payment for products containing chlorofluorocarbons (Czech Republic).
 - 1.4. Landfill tax (all EU countries).
 - 1.5. Tax on fertilizers and pesticides (Norway, Denmark, Austria).
 - 1.6. Tax on disposable tableware (Belgium, Denmark, Latvia).
 - 1.7. Tax on plastic bags (Belgium, Denmark, Hungary, Ireland).
3. Tax on noise pollution (Czech Republic, Germany).

In general, energy (77%) and transport taxes (19%) are the most widespread in the EU. Pollution taxes constitute 3% and resource payments are about 1%.



7.2. Functions of environmental taxes

The effectiveness of environmental taxes is determined by the following. First, environmental taxes, as mandatory regular payments, replenish the revenue side of the budget, i.e. perform a fiscal function. Second, eco-taxes help to minimize the level of environmental hazards, encouraging rational tax agents to introduce safe technologies that are environmentally friendly, i.e. perform an eco-attributive function. Thus, we propose to study the effectiveness of environmental taxes through the prism of the analysis of their inherent functions and misfunctions (Fig. 1.).

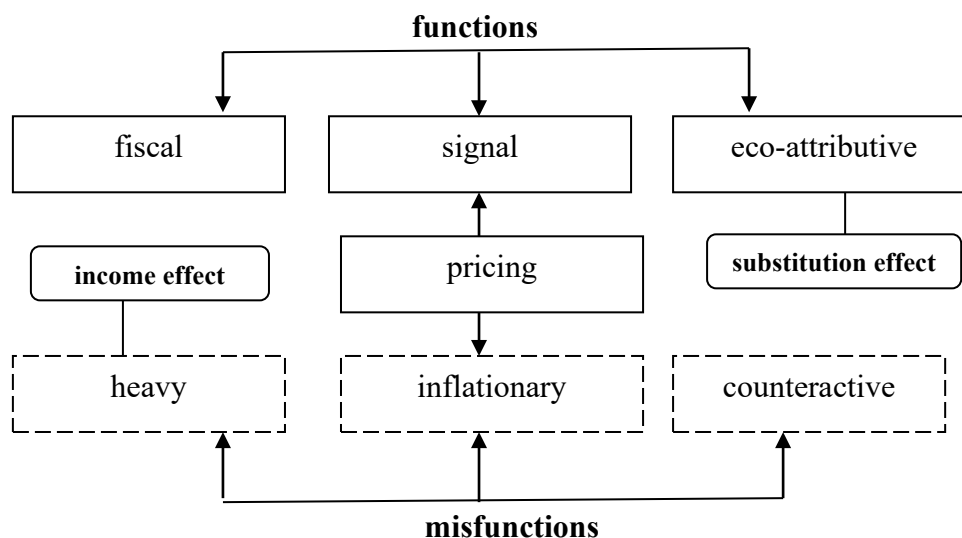


Figure1 – Functions and misfunctions of environmental taxes

The main effect of the application of environmental taxes should be a reduction in the tax base due to the transition to new technologies (substitution effect). Low environmental quality standards do not encourage economic agents to implement environmentally-related investment projects. It was revealed that in the practice of national nature management the substitution effect was not shown due to low, in comparison with the European, rates of ecological taxes. Based on this background, the fiscal function of environmental taxes also does not work.

Thus, it was found that the average value of the share of environmental tax in GDP was 0.11%, in budget revenues – 0.39%, tax revenues – 0.53% [7, p. 4]. Negative functions, or misfunctions, are manifested through the tax burden (heaviness, income effect, solvency trap), increase in the cost of the emitter's products (inflation) and the threat of a radically opposite result (resistance to state tax authorities and refusal from paying taxes).

7.3. Global models of environmental taxes efficacy

Pigouvian model. A representative of the Cambridge neoclassical school, A. Pigou, proposed to internalize the cost of pollution by setting an environmental tax



for the perpetrator. This tax was later called the “Pigouvian tax”. Pigouvian tax (1920) is a tax on measured emissions, which serves as a means of regulating and correcting the impact of negative externalities. The purpose of the environmental tax is that it encourages the tax agent to reduce the level of environmental damage caused to third parties. In this case, the environmental tax is a tool to achieve a balance between the volume of production of the taxpayer and the losses of society, so the effective tax should be equal to the marginal social costs. The approach is based on the idea that the environment is public property (public good), so anyone who harms it harms society and therefore has to pay compensation for that damage. The environmental tax must be equal to the marginal loss of the recipient. The Pigouvian tax is the price of the right to pollute the environment. Theoretically, environmental taxes should help to ensure that market prices are more internalized and reflect the social costs of environmentally harmful industries and provoke reductions in the latter. The Pigouvian tax is an effective method of reducing the overall level of pollution, provided that the damage to society can be reliably estimated. This approach was later supplemented and developed in the theory of economic damage from environmental pollution in the Eastern Europe and the post-Soviet countries. The approach is based on the “polluter pays” principle. This principle is that the sources of pollution must either compensate for the damage or take measures to prevent negative impacts. Usually this principle is interpreted in such a way that the issuer must bear the costs of preventing and reducing the level of environmental pollution [8, p. 9]. The model is based on the economic assessment of natural resources. The main purpose of the tax is to minimize, compensate or prevent economic damage from environmental pollution. Under the economic damage caused to the environment, it is important to understand the estimated in monetary form actual or possible losses arising in the national economy due to pollution of natural components of the environment, or additional costs to compensate for such losses [9, p. 8]. This approach was introduced on an experimental basis in some regions of the Eastern Europe in the early 90’s of the 20th century. The results of the experiment revealed the effectiveness of the introduction of payment for environmental pollution as a lever of economic pressure on the emitter company. Experience has shown that this approach allows the country’s economy to develop with the least damage to the environment. This model is effective under conditions of stable intensive development of production and absence of hyperinflation. The development and practical implementation of the approach in Ukraine was carried out for the first time by the representatives of the Sumy school of nature management. Thus, the classic idea of the effectiveness of the environmental tax is based on the fact that such a tax is designed to reflect in monetary terms the damage caused by the tax agent as a result of pollution, as well as to compensate for the losses of society. Therefore, an environmental tax will be effective if its rate is equal to the marginal social costs.

The traditional coefficient approach to assessing the effectiveness of the tax system is based on the calculation of basic analytical indicators. In the arsenal of researchers there is a large set of indicators of fiscal performance of taxes, which, however, can be used as a methodological basis in relation to environmental taxes. Here are some of the main indicators [10, p. 11]:



- the share of total taxes in GDP (level of tax burden);
- the share of tax revenues in budget revenues;
- the share of taxes by industry and field of activity;
- tax indebtedness;
- tax collection rate;
- coefficient of tax elasticity;
- dynamics of taxes;
- fiscal efficiency ratio;
- tax cost index;
- tax multiplier;
- tax accelerator;
- tax loyalty ratio;
- effective tax rates.

Within this approach, a special scientific interest poses the study [4], in which the author analyzes the effectiveness of environmental taxes of the EU member states based on a comparison of specific environmental indicators (pollutant emissions) and macroeconomic indicators of environmental orientation (government spending on the environment). According to the results of the analysis, it was concluded that the environmental tax policy of the EU countries is effective, as with increasing environmental protection costs, the amount of revenues from the environmental tax increases, while the amount of pollutant emissions decreases. Environmental taxes in the EU are a source of funding for environmental measures, but in Ukraine such a link is not observed. Currently, within this approach research are being undertaken to test the hypothesis of macroeconomic and environmental performance of the carbon tax. Thus, in the work [11, p. 17] the author notes that the CO₂ tax, introduced in Sweden, contributed to the stabilization of primary energy consumption along with GDP growth for 1990-2015 by 69%, reducing greenhouse gas emissions for the analyzed period by 25%, reducing the share of organic fuels to 30% in 2016, a significant reduction in the country's dependence on fuel imports.

Scandinavian (structural) model for assessing the effectiveness of environmental taxes (2001-2003). This model was developed to find an answer to the question of compliance with the “polluter pays” approach in the practice of environmental taxes in Northern Europe [12]. For the purpose of analysis, all industries were aggregated into 4 groups (primary sector, secondary sector (manufacturing), energy, services), and households were included in the review. The approach is based on determining the share of energy consumption (or pollution) in each of the sectors and the corresponding share of accrued energy taxes. Based on the presence or absence of correspondences between the studied indicators, a conclusion is made on compliance with the principle of “polluter pays”. A similar technique can be applied to any environmental taxes. The countries of the Northern Europe were the first to apply environmental taxes and implement green tax reforms. The study found that traditional energy taxes were introduced earlier and used as a fiscal tool, while the CO₂ tax was introduced in the 1990s to reduce emissions. The study found that in the case of payment of traditional energy taxes, the burden is shifted to households, and the principle of “polluter pays” in this case is not observed, which indicates the



inefficiency of this group of taxes. In the case of the carbon tax, in some countries (Sweden and Norway) there is a balance between those who pollute and those who pay for the damage done to the environment. In general, environmental taxes showed low environmental efficiency during the analyzed period, as the basic principle of their establishment of “polluter pays” in practice is poorly implemented. And if this principle is not followed, then the prices, which are partly determined by these taxes, send incorrect signals to economic entities. Those industries that enjoy tax benefits quite widely have little incentive to preserve the environment. Therefore, if the tax burden is not distributed in accordance with the “polluter pays” principle, it cannot be argued that environmental taxes contribute to sustainable development.

Contemporary econometric models. The arsenal of modern approaches to assessing the effectiveness of environmental taxes is represented by the works [13, 14]. Of particular scientific interest is the regression model for assessing the effectiveness of environmental taxes for 50 economically developed countries [13]. The working hypothesis of the study is the assumption that higher rates of environmental taxes help reduce pollution and reduce the production and consumption of non-renewable energy sources in the long run. The object of the study was the revenue from environmental taxes. Scientists claim that energy and transport taxes are fiscal in nature. The model examines the relationship between environmental tax revenues and the quality of the environment, which can be assessed through some environmental indicators. In particular, such variable indicators are: CO₂ emissions per capita, afforestation area, energy consumption per capita, share of fossil fuel consumption, electricity production from non-renewable sources per capita, electricity production from renewable sources per capita, concentration of fine particles in air, the level of water pollution by organic matter and electricity consumption per capita.

Conclusions

The process of greening the tax system, which began in European countries several decades ago as an experiment, has gradually spread to other countries. In the modern context, it should be a question of forming an effective system of environmental taxes, which is ensured by optimizing their structure. Thus, taking into account the world experience and national peculiarities of economic development, the question arises about the formation of fiscal and eco-attributive group of environmental taxes.

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Chapter 6.

1. Фінансовий скоринг ТОВ «КОПІЛКА» URL: https://youcontrol.com.ua/ru/our_possibility/express-analysis/
2. Фінансові показники ТОВ «КОПІЛКА» URL: https://youcontrol.com.ua/ru/catalog/company_details/32967633/
3. Терещенко О.О. Фінансова діяльність суб'єктів господарювання : [навч. посіб.] / Терещенко О.О. – К. : КНЕУ, 2003. – 554 с.
4. Эконометрика: Учебник/ Под ред. И.И. Елисейевой. – М: Финансы и статистика, 2002.-344 с., URL: <https://univer-nn.ru/ekonometrika/xendenciya-vo-vremennom-ryadu/>.
5. Кобилецький В. Р., Власні оборотні кошти / В. Р. Кобилецький // Онлайн-журнал «Financial Analysis online», URL: <https://www.finalon.com/slovník-ekonomichnikh-pokaznikov/344-vlasni-oborotni-koshxi>

Chapter 7.

1. Каюмова Л.И. Особенности применения опыта экологического налогообложения развитых стран в России. URL : <http://www.old.fa.ru/projects/mknrsa/skireports/3/>
2. Environment-Related Tax System in Japan. URL : <https://www.env.go.jp/en/policy/tax/env-tax.html>
3. Green Tax Index. URL : <https://assets.kpmg/content/dam/kpmg/pdf/2015/03/kpmg-green-tax-index-2013.pdf>
4. Яворська Н.П. Екологічне оподаткування в країнах ЄС як інструмент підвищення ефективності екологічної політики. Підприємництво та інновації. 2019. Вип. 10. С. 114–120.
5. Веклич О. Урахування зарубіжного досвіду екологічного оподаткування для підвищення фіскальної ефективності справляння екологічних податків в Україні // Екологічне оподаткування: збірник наукових праць за результатами науково-практичних заходів; НДІ фінансового права. К.: Алерта, 2013. С. 128–133.
6. Создание рыночных стимулов к экологизации товаров. Руководство для стран Восточного Партнерства. URL : https://www.oecd.org/env/outreach/RUS_Policy
7. Нормотворчі напрями підвищення фіскальної ефективності справляння екологічного податку в Україні. Ірпінь : НДІ фінансового права, 2013. 32 с.
8. Природоохранные платежи за загрязнение и продукцию в Армении: оценка хода реформ и направления дальнейшего усовершенствования. ОЭСР. 2004. 54 с.
9. Балацкий О.Ф. Антология экономики чистой среды. Сумы: ИТД «Университетская книга», 2007. 272 с.
10. Калинина О.В. Оценка эффективности российской налоговой системы. Финансы и кредит. 2011. № 11. С. 10–14.
11. Башмаков И.А. Налог на углерод в системе налогов на энергию и экологических налогов. Экологический вестник России. 2018. № 3. С. 12–24.



12. Макарова И.А. Оценка эффективности экологических налогов с позиции «загрязнитель платит» в скандинавских странах: методика и результаты исследования. Вестник Томского государственного университета. Экономика. 2017. № 40. с. 124–140.

13. Miller, S., Vela, M. (2013). Are Environmentally Related Taxes Effective. IDB Working Paper Series, 467.

14. Morley B. Empirical Evidence on the Effectiveness of Environmental Taxes. Working Paper. Bath, UK: Department of Economics, University of Bath. 2010, 23 p.

Chapter 8.

1. Baishali Mukherjee (2018). In Business, Effective Teamwork is the Secret Behind Growth and success / Entrepreneur, 2018 (June 18). URL: <https://www.entrepreneur.com/article/314817> (Дата звернення: 17.02.2021 р.).

2. John Lincoln (2019). 17 Inspirational Quotes to Instantly Foster Teamwork When Unity / Entrepreneur, 2019 (June 6). URL: <https://www.entrepreneur.com/article/269941>. (Дата звернення: 18.02.2021 р.).

3. Martin Welker (2017). The Future of Productivity: Teamwork and Collaboration / Entrepreneur, 2017 (July 27). URL : <https://www.entrepreneur.com/article/295265>. (Дата звернення: 18.02.2021 р.).

4. Shlomo Wiesen (2016). Make the Dream Work: 5 Reasons Why Teamwork is Crucial to Workplace Success / Business, 2016 (Aug 03). URL: <https://www.business.com/articles/5-reasons-why-teamwork-is-crucial-to-workplace-success>. (Дата звернення: 19.02.2021 р.).

5. Технології управління персоналом : монографія / О. А. Гавриш та ін.; за ред С. В. Войтка. Київ : КПІ ім. Ігоря Сікорського, 2017. 528 с. URL: http://ela.kpi.ua/bitstream/123456789/19480/1/tekhnohii_upravlinnia_personalom.pdf. (Дата звернення: 19.02.2021 р.).

6. Четверта промислова революція: зміна напрямів міжнародних інвестиційних потоків: моногр. / за наук. ред. д.е.н., проф. А. І. Крисоватого та д.е.н., проф. О. М. Сохацької. – Тернопіль: Осадца Ю. В., 2018. – 478 с.

7. Юрчак О. Головні інструменти колаборації в policy-making Індустрії 4.0 / INDUSTRY4UKRAINE «Асоціація Підприємств Промислової Автоматизації України», 2021. URL: <https://www.industry4ukraine.net/publications/golovni-instrumenty-kolaboracziyi-v-policy-making-industriyi-4-0>. (Дата звернення: 19.02.2021 р.).

8. Юрчак О. Консолідація експертів – як найбільша цінність і як бар'єр № 1 / Investgazeta, 2019. URL: <https://investgazeta.ua/blogs/konsolidatsiya-ekspertiv-yak-najbilsha-tsinnist-i-yak-bar-er-1>. (Дата звернення: 19.02.2021 р.).

Chapter 9.

1. UNDP//Global Centre for Public Service Excellence //Foresight The Manual [Електронний ресурс] // URL: <https://www.undp.org/content/dam/undp/librarypdf>.

2. Гурьев, Владимир Ильич. Основы социальной статистики: Методы, система показателей, анализ / В. И. Гурьев. - М.: Финансы и статистика, 1991. –



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