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CONCEPTUAL RELATIONSHIPS BETWEEN COUNTRY IMAGE AND ECONOMIC SECURITY

Abstract. *The paper deals with the analysis of the linking between country image and level of economic security. The studies confirmed that ongoing tendency on world competitiveness justified considering direct and indirect dimensions which influence on the country's economic security. The authors generalised the factors which affected the economic security of the country. The finding proved that one of the significant indirect parameters is the country image. The authors analysed and summarised the most appropriate definitions of country brand and image. The authors analysed the frequency of country brand and image in the scientific paper. The paper aimed to identify the scientific clusters on the investigation of economic security and the country's brand. The study used the bibliometric analysis using software VOSviewer, Web of Science and Scopus Tools Analysis. The data of analysis was obtained from the scientific database Scopus and Web of Science for 1991-2019 years. For the analysis, the papers were selected as the criteria as follows: English language; published for 1991-2019 years; contained the keywords brand, image, county and security. The results of the analysis proved that the paper which used the term "country image" is more than "country brand" in Scopus and Web of Science. The findings from the Web of Science and Scopus Tools Analysis confirm the hypothesis on the increasing tendency of publishing activities papers which focused on the analysis of security and country's image. The visualising of co-authorship by country allowed identifying that the 50% papers published by the scientists with the American, Ukrainian, Canadian, Spanish and Russian affiliations. The VOSviewer results allowed identifying two significant scientific clusters as follows: country image and economic security. Besides, between the two most significant cluster were as mediators: governance, nation branding, developing countries and environment. Besides, analysing the new publication for 2015-2019 years, the most cited papers on economic security connected with analysis not only quantitatively economic parameters but also with political, sustainable development and country's image. The bibliometric analysis formed the background for checking the casual relationship between image and economic security of the country.*

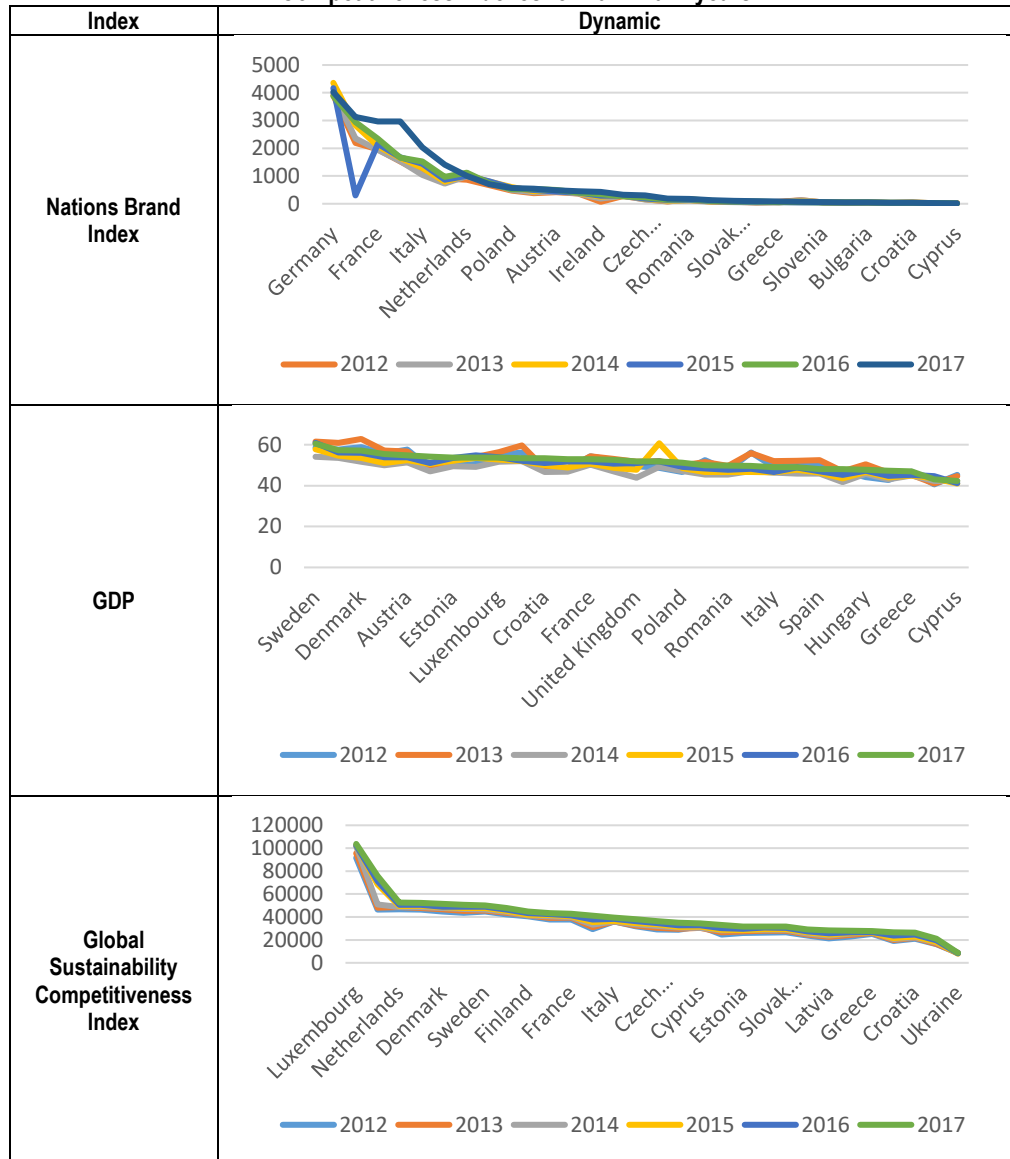
Keywords: bibliometric analysis, brand, brand management, country brand, VOSviewer.

Introduction. The intensification of the world competitiveness provokes to consider not only direct economic issues but also the qualitative dimensions such as country brand/image towards developing the government policy on the economic development strategy of the country. Besides, the results of the analysis proved that country which occupied the first position on the Global Sustainability Competitiveness Index also had the leading positions on the Country Brand Index.

Thus, the first five places on the Country Brand Index among EU countries were occupied by the countries with a high-income economy and stable level of economic security. At the same time, in 2017, the rating of the Global Competitiveness Index showed the other group of the country took the first places: Sweden, Finland, Denmark, Ireland and Austria. The second indicator which allowed estimating of the country's security was GDP per capita. Considering the data, the first places were occupied by the countries as follows: Luxemburg, Ireland, Netherland, Austria, Denmark, Germany. Unfortunately, Ukraine occupied the last places by all analysed indicators which confirmed by the imbalances in political and economic areas. The compilation data of the selected indexes showed in Table 1.

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Table 1. The generalisation data of the GDP, Nations Brand Index and Global Sustainability Competitiveness Indexes for 2012-2017 years



Sources: developed by authors using (Nation, 2019; World, 2019; Solability, 2019)

The findings confirmed that on the country in the first place on GDP was not at the first place on Country Brand or the Global Competitiveness Indexed. In this case, it is necessary to analyse the main direct and indirect dimensions which influence on the country's competitiveness and economic security.

The paper aimed to analyses on the scientific background on the issue mentioned above toward allocating the scientific schools in the world on economic security, country brand and image.

Literature Review. The results of the analysis of the scientific background proved that the scientists analysed economic security from the different points of views allocating different types of dimensions. The authors in the paper (Vasylieva et al., 2017) proved that the level of education affected on economic security and image of the country.

The scientist in the paper (Vasilieva et al., 2017) confirmed that transparency influenced the country stability and brand. In this case, the transparency was the mediator between investors the and country. Besides, other scientists in the papers (Lyulyov et al., 2017; Bilan et al., 2019a; Ibragimov et al., 2019a; Pimonenko, 2018; Rekunenko et al., 2019; Seguino et al., 2010) confirmed the hypothesis on casual relationship between investment climate and country image. The Chinese scientists Chen J., Zhu X. and Zhong M. In the paper (Chen et al., 2019) using VAR analysis confirmed the statistically significant impact of the financial stability on the economic security of the country.

The group of the scientists (Bauman et al., 2000; Ibragimov et al., 2019a; Vasylieva et al., 2019; Williams et al., 1990) analysed economic security from social points of views. The authors (Bilan et al., 2019; Cheddad et al., 2010; GrenÅÅkovÅ et al., 2019) confirmed on the economic security influenced the factors as follows: digitalisation; industry 4.0; research and development in the countries.

The group of the scientists in the papers (Bilan et al., 2019d; Bilan et al., 2019e; Bloom et al., 2015; Inglehart et al., 1994; Jun et al., 2009; Luechinger et al., 2010; Milberg et al., 2011; Partha et al., 1994) analysed the macroeconomic stability and governance efficiency as an indicator of the economic security. Besides, the scientists Kendall G. E., Nguyen H. and Ong R. (2019) proved the linking between sustainable development, economic security and social well-being. The British author Haagh (2019) confirmed the statistically significant impact of income security reforms on governance efficiency and the country's stability.

Noted, that in the papers (Bilan et al., 2019c; Lyulyov et al., 2018) the scientist used the model Fetcher for brand assessments and analysed the causal relationship between macroeconomic stability and efficiency of the country brand management. Despite robust scientific background on the analysing of the economic security from the different points of views, the issues on linking country image and economic security have not investigated yet.

Methodology and research methods. The central hypothesis of the paper was identifying the scientific background on the analyses of the economic security and countries image and brand. The study checked the hypothesis as follows:

H0: the most paper in Web of Science and Scopus used the definition "country image" than "country brand".

H1: the scientists mostly analysed economic security from the economic and political points of views.

H2: linking between scientific clusters which focused on economic security and country image and brand.

The study conducted by the following steps:

1. Identifying the keywords for analysis.
2. Selectin paper in Scopus and Web of Science.
3. Applying the classification criteria: years 1991-2017, English language.
4. Eliminating the duplicate of the papers.
5. Co-authors', co-occurrence and cross countries analysis.
6. Visualising and interpretation of the data.

For the first, the second and the third stages, the Scopus and Web of Science Tools analyses were used, which allowed identifying the central tendency and relevant keywords on research problems.

Besides, that instrument allowed analysed the financing source of research and identifying the most cited scientists and paper on the investigated issues.

The fourth step was realised by Microsoft Excel Office. The co-authors', co-occurrence and cross countries analysis and visualising and interpretation of the data were done by software VOSviewer. Its application allowed developing a map of scientific clusters and explained the links between scientific schools.

Results. The results of the analysis of the most using definition “country brand” or “country image” confirmed that scientists prefer to use the “country image” in their investigation. Thus, Scopus contained 120 publications and Web of Science – 101 publications with keywords “country brand”. However, the country image was used by 551 papers in Scopus and 446 – Web of Science. The comparison analysis was showed in Table 2.

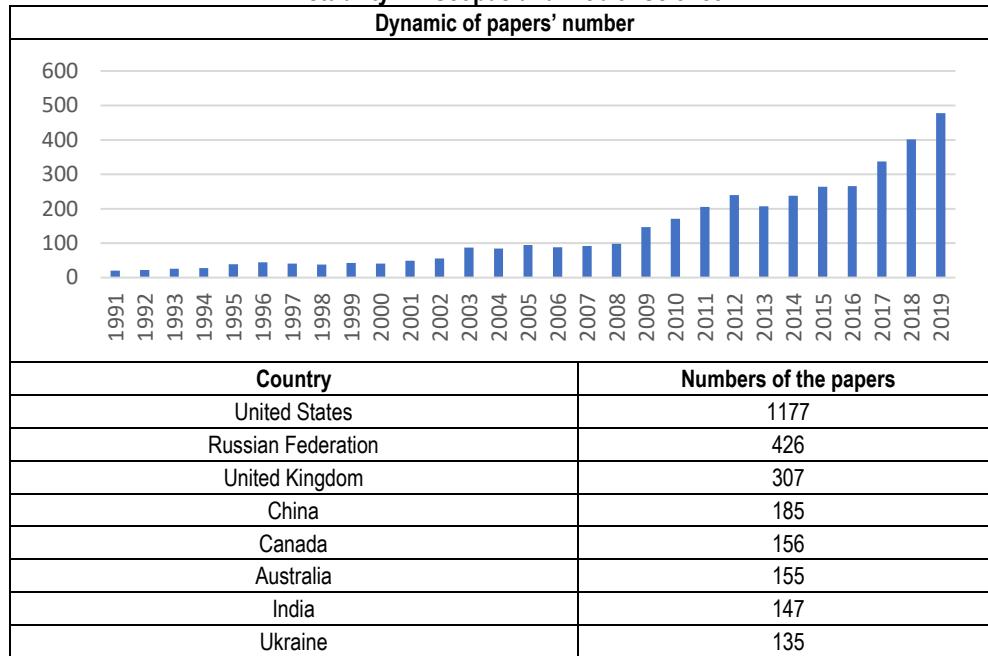
Table 2. Comparison analysis of the papers with keywords “country brand” and “country image” in Scopus and Web of Science

| Terms | Numbers of paper | | Visualising of publication activities |
|---------------|------------------|--------|---------------------------------------|
| | Web of Science | Scopus | |
| Country brand | 101 | 120 | |
| Country image | 551 | 441 | |

Sources: developed by authors using Web of Science and Scopus Tools Analyses

The findings proved the increasing tendency of the papers, which focused on the analysis of country brand and image. Besides, the results confirmed the H0: the most paper in Web of Science and Scopus

Table 3. Comparison analysis of the papers with keywords “economic security” or “economic stability” in Scopus and Web of Science



Sources: developed by authors using Web of Science and Scopus

At the next stage of the analysis, the following keywords were inserted in searching: security, stability, brand and image. After the selection and eliminating the duplicate, the 10000 papers were chosen for the further visualising of the finding of co-authors', co-occurrence and cross countries analysis. Figure 2 and 3 contained the results of the analysis.

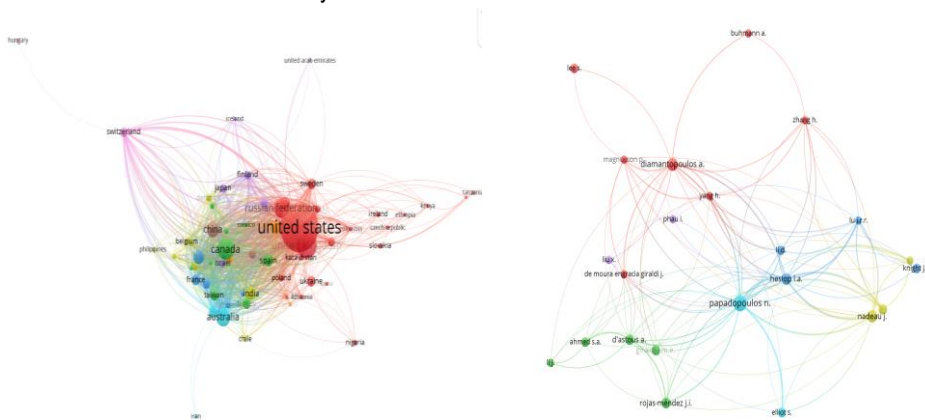


Figure 2. Visualising map of co-authors' and cross countries analysis of the papers with keywords “country image”, “country brand “economic security”, “economic stability” in Scopus and Web of Science

Sources: developed by authors using VOSviewer.

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Концептуальні засади взаємозалежності між іміджем та економічною безпекою країни

У статті проаналізовано наукові публікації, що досліджують питання взаємозв'язку між іміджем та рівнем економічної безпеки країни. Авторами проаналізовано та узагальнено наукові підходи щодо визначення факторів, які впливають на рівень економічної безпеки країни. При цьому встановлено, що одним із значимих факторів, що потребує врахування при оцінюванні рівня економічної безпеки – є імідж країни на світовому ринку. Метою статті є аналіз та виокремлення наукових кластерів вчених, що досліджують питання економічної безпеки та іміджу країни. У дослідженні проведено бібліометричний аналіз з використанням програмного забезпечення VOSviewer, інструментів Web of Science та Scopus Tools Analysis. Вибірку даних для аналізу сформовано з наукометричних баз даних Scopus та Web of Science за 1991-2019 роки. Основними критеріями відбору наукових публікацій є: мова статті – англійська; часовий горизонт - враховувалися лише статті, що були опубліковані за 1991-2019 роки; ключові слова бренд, імідж, стабільність та безпека. Авторами узагальнено частоту використання термінів «бренд країни» та «імідж країни» у наукових публікаціях вчених. Встановлено, що термін «імідж країни» частіше використовується вченими ніж «бренд країни» у наукових публікаціях, що індексуються наукометричними базами даних Scopus та Web of Science. Результати аналізу з використанням інструментів Web of Science та Scopus Tools Analysis підтвердили гіпотезу про зростаючу тенденцію публікацій, що досліджують питання економічної безпеки та іміджу країни. Візуалізація результатів аналізу у розрізі країн дозволила визначити, що 50% робіт опубліковано вченими з американською, українською, канадською, іспанською та російською афіліаціями. Результати бібліометричного аналізу з використанням програмного забезпечення VOSviewer дозволили виокремити дві наукові школи вчені яких досліджують питання іміджу країни та економічної безпеки. Взаємозв'язок між двома виокремленими науковими школами пояснюється використанням науковців при дослідженнях теорій управління, брендингу та сталого розвитку. Крім того, аналіз публікаційної активності за 2015-2019 роки дозволив визначити тенденцію зростання кількості публікацій, що досліджують економічну безпеку країни не лише на основі оцінювання економічних параметрів розвитку країни, а й оцінювання політичної стабільності, сталого розвитку та іміджу країни. Результати бібліометричного аналізу сформулювали передумови подальших досліджень щодо емпіричного оцінювання взаємозв'язків між іміджем та економічною безпекою країни.

Ключові слова: бібліометричний аналіз, бренд, управління брендом, бренд країни, VOSviewer.

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