

Lubomir Yo. Sozansky

SI "Institute of Regional Research n.a. M.I. Dolishniy of the NAS of Ukraine"

79026, Ukraine, Lviv, 4 Kozelnitska Str.

E-mail: lubomir437@gmail.com

Integral assessment of resource efficiency of industry of Ukraine's regions

Section: Macroeconomic and regional problems of industrial development

Ekon. promisl. 2017, 77(1): 51-64

Language: Ukrainian

<https://doi.org/10.15407/econindustry2017.01.051>

Abstract: Resource efficiency of industry is characterized by two key indicators: capital productivity and labor productivity. The first one reflects the management efficiency of fixed assets, and the second one - human resources. Capital productivity of Ukraine's regions industry is calculated as the ratio of volume of industrial products sold to the value of fixed assets and labor productivity – as the ratio of volume of industrial products sold to the average number of workers employed in industry.

By integrating of the indeces of the capital productivity and labor productivity the industry resource efficiency indices have been calculated, and on its basis the grouping of Ukraine's regions has been made. Under certain graduation in 2015 the half of Ukraine's regions (12) was characterized by the average resource efficiency of industry. A high level of resource efficiency was characteristic of industry of three areas (Poltava, Cherkassy, and Sumy). Low level of resource efficiency was characteristic of industrial sectors of the rest 9 regions. The analysis of the capital productivity and labor productivity revealed that in 2015 there was a decrease of the average number of industry workers in all regions of Ukraine except Rivne, and in six regions – decrease of the fixed assets. The proposed directions of increasing the resource efficiency of Ukraine's regions are creation and organization of activities of educational, scientific and production centers of industry and regional areas, public-private enterprises in manufacturing and improving the functioning of state procurement.

Keywords: capital productivity, labor productivity, resource efficiency, integral index, volume of industrial products sold.

| [Full text](#) (PDF)

References:

- 1.State Statistics Service of Ukraine (2016). Financial results of enterprises before taxation by types of industrial activity. ukr-stat.gov.ua. Retrieved from: http://www.ukrstat.gov.ua/operativ/operativ2015/fin/fin_rez/fr_ed/fr_ed_u/arh_fr_edo2015_u.htm [in Ukrainian].
- 2.Shinkaruk, L.V, Bevz, I.A, Baranovskaya, I.V. and oths. (2015). Structural transformations in the economy of Ukraine: dynamics, contradictions and influence on economic development: Scientific Report. Shinkaruk L.V. (Ed.). Kyiv: Institute for Economics and Forecasting of the NAS of Ukraine [in Ukrainian].
- 3.State Statistics Service of Ukraine (2016). Volumes of industrial products (goods, services)

sold by types of economic activity of Ukraine in 2011-2015. ukrstat.gov.ua. Retrieved from: https://ukrstat.org/uk/operativ/operativ2013/pr/orp_rik/orp_rik_u.htm [in Ukrainian].

4.State Statistics Service of Ukraine (2016). Employed population by economic activities and regions in 2011-2015. ukrstat.gov.ua. Retrieved from https://ukrstat.org/uk/operativ/operativ2013/rp/zn_ed_reg/zn_ed_reg_u/arch_zn_ed_u.htm [in Ukrainian].

5.State Statistics Service of Ukraine (2016). Indicators of the balance of enterprises by types of economic activity.ukrstat.gov.ua. Retrieved from <http://www.ukrstat.gov.ua/> [in Ukrainian].