

MODELLING ECONOMIC PRODUCTIVITY OF UKRAINE IN THE CONTEXT OF MILITARY CHALLENGES



Doctor of Economics, Professor **Tatyana Shtal**



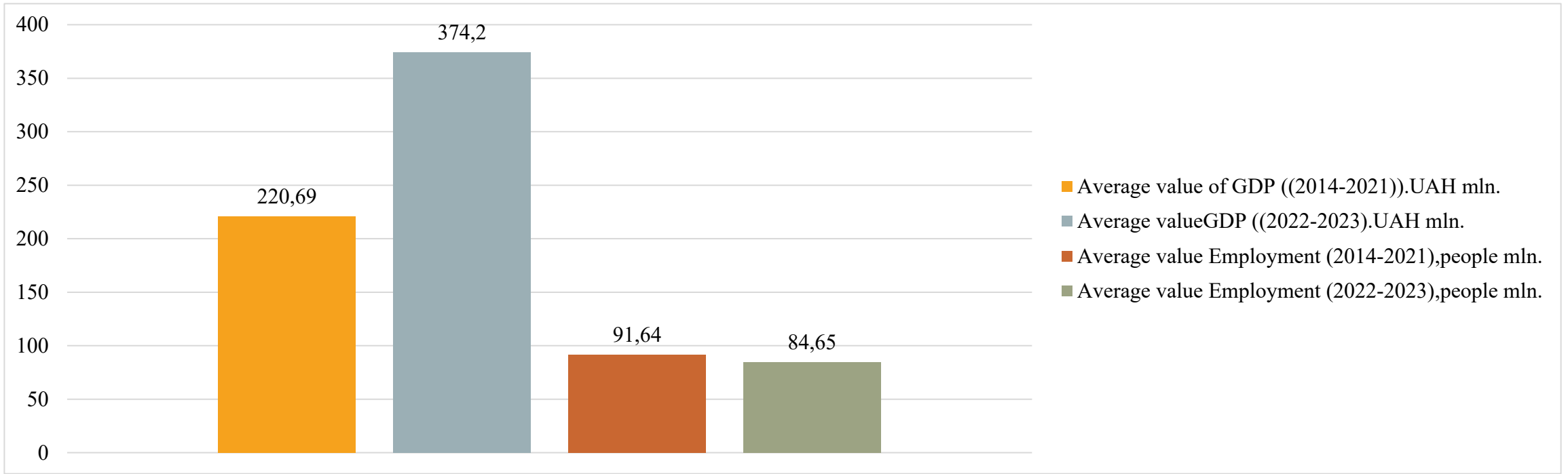
PhD in Economics, Professor **Olena Kot**



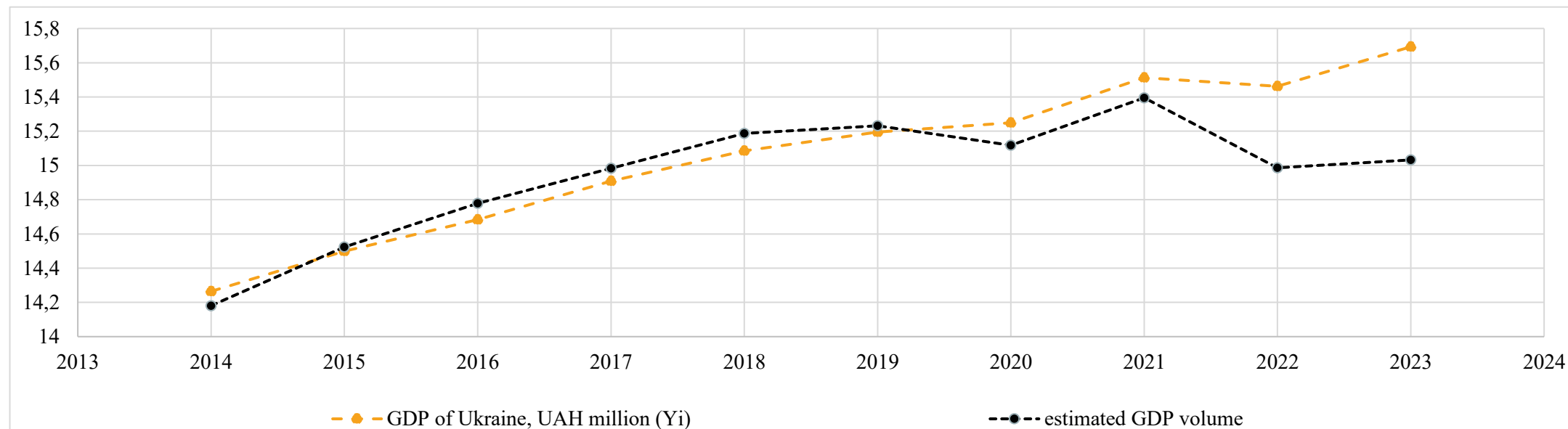
PhD in Economics, Associate Professor **Olena BUTENKO**



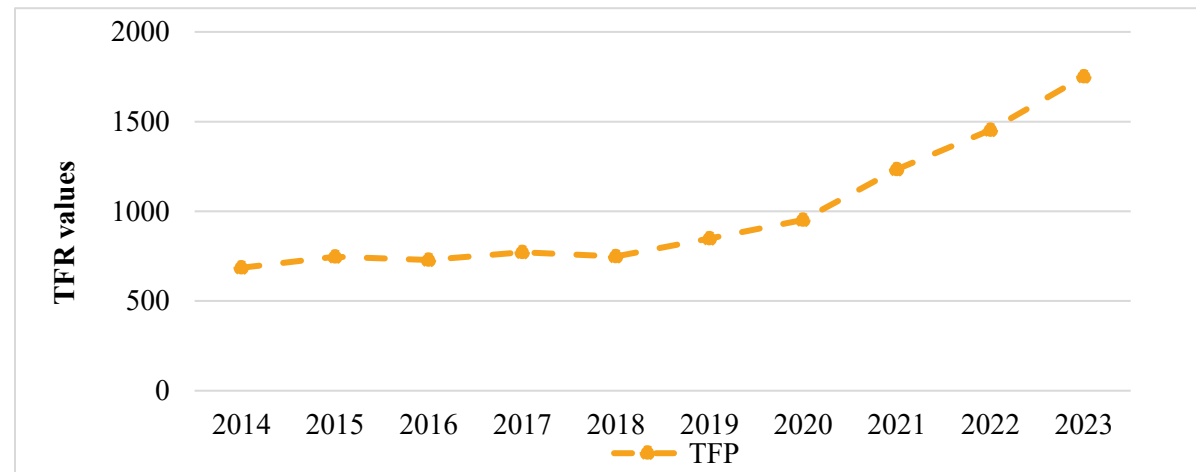
PhD in Economics, Professor **Viktoriya Kozub**



A COMPARISON OF STRUCTURAL CHANGES IN THE UKRAINIAN ECONOMY
(AVERAGE GDP AND EMPLOYMENT) FOR THE PERIODS (2014-2021) AND
DURING FULL-SCALE MILITARY OPERATIONS (2022-2024).



COMPARISON OF ACTUAL AND ESTIMATED GDP OF UKRAINE (2014-2023)

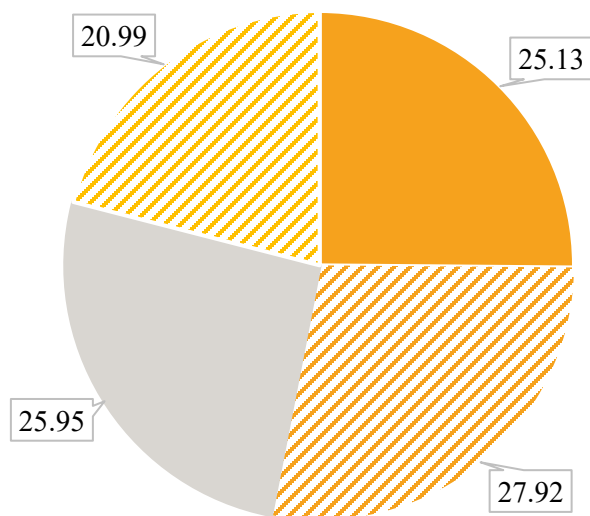


Indicators	Coefficient	Standard Error	t-Statistic	P-Value	Confidence Interval (95%)
Y--intercept	0,777	0,090	8,592	0,00014	[0.556, 0.999]
β_1	-0,864	0,153	-5,664	0,0013	[-1.237, -0.491]
β_2	0,803	0,458	1,754	0,1300	[-0.317, 1.923]
β_3	-0,649	0,413	-1,572	0,1671	[-1.660, 0.362]

TFP DYNAMICS (TECHNOLOGICAL FACTOR OR PRODUCTIVITY THAT CANNOT BE ATTRIBUTED TO LABOUR AND CAPITAL INDICATORS)

CONCLUSIONS AND RECOMMENDATIONS

Shares and direction of impact of factors on the dependent variable (TFP) (%)



- Yp - baseline performance level (positive impact)
- ▨ X1 - the share of the impact of expenses on scientific and technical activities (negative impact), %.
- X2 - share of influence of Ukraine Military Spending (positive impact), %.
- ▨ X3 - share of influence of funds from foreign countries and international organizations (negative impact), %.

A long-term strategy is needed to integrate defence spending into economic policy, focusing on advanced technologies with export potential and attracting private investment through partnerships.

International aid should restore critical infrastructure and support innovation, with transparent reporting to strengthen donor trust.

Programs ensuring fair work, wages, training, and quality social services will help return migrant workers and reduce brain drain.

Transparency, investor protection, and reduced corruption risks are key to attracting domestic and foreign investment.

THANK YOU FOR YOUR ATTENTION