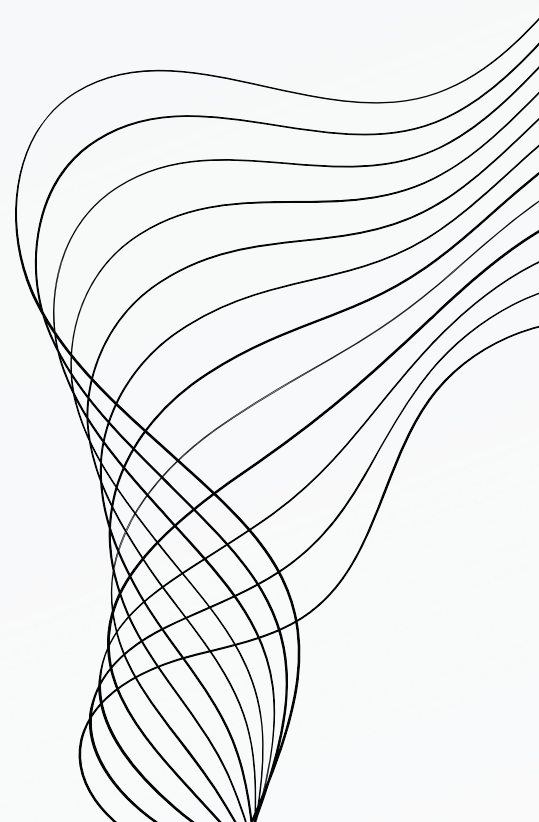


**UKRAINE AND REPUBLIC OF MOLDOVA
IN COOPERATION WITH THE EU AFTER
2014 YEAR: MODELS, IMPACT AND
COMPARISION.**

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AGREEMENTS

MOLDOVA



- CIS Free Trade Area Agreement
- Free Trade Agreement with Central Europe
- Deep and Comprehensive Free Trade Agreement with the European Union (DCFTA)
- 1 September 2014

UKRAINE



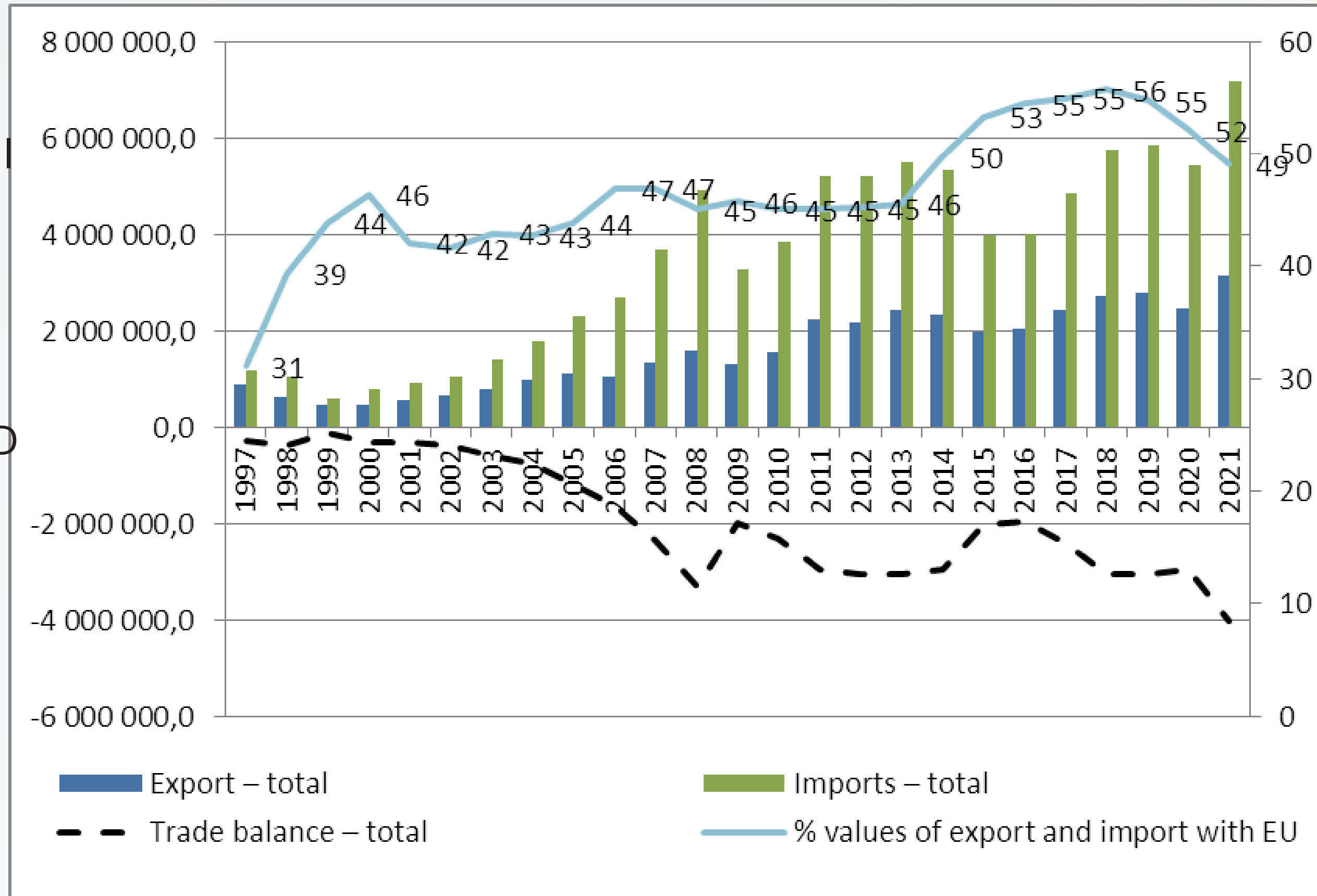
- Deep and Comprehensive Free Trade Agreement with the European Union (DCFTA)
- 1 January 2016



VALUES

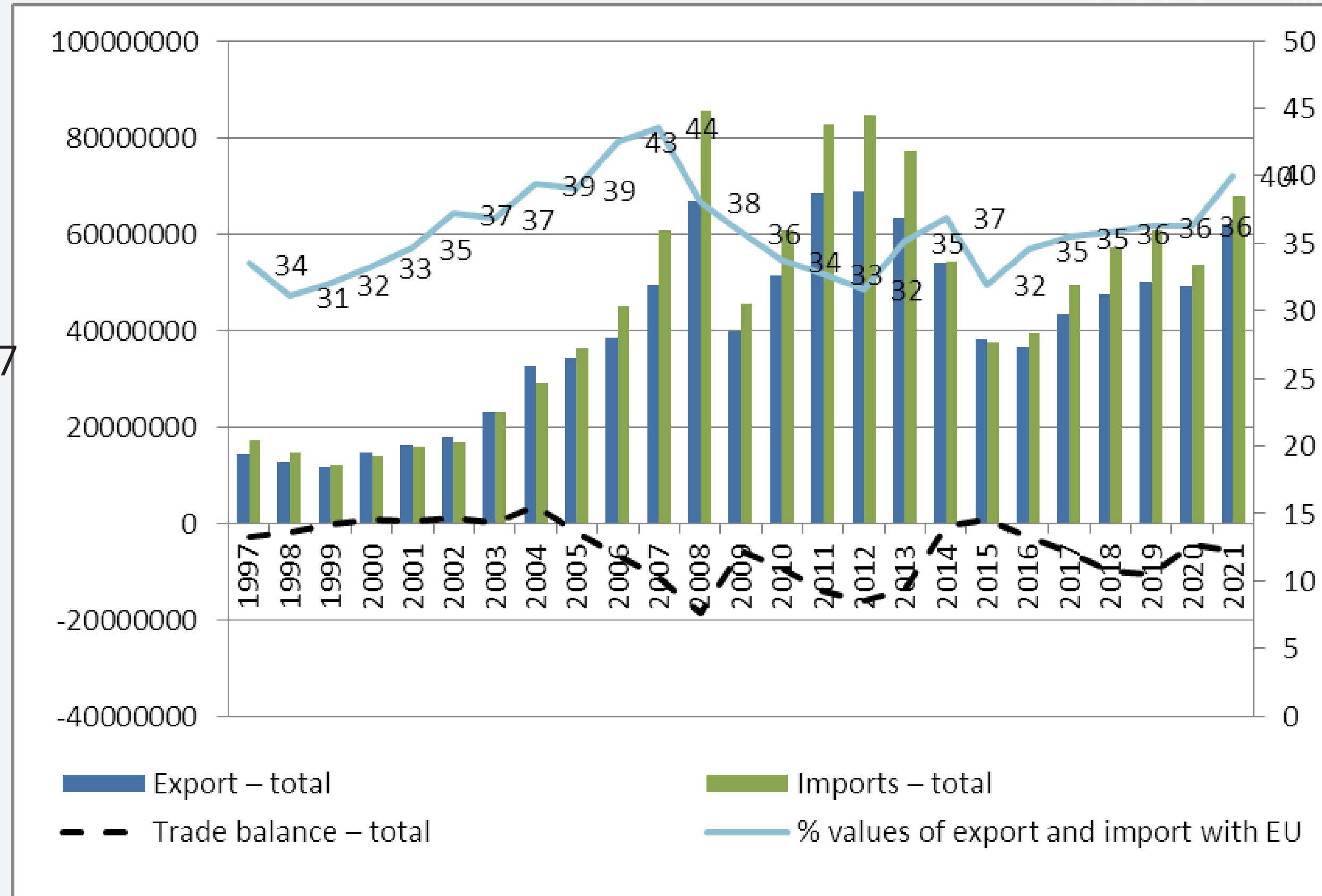


- The values of international trade has increase tendency after DCFTA.
- 2020-2021 years we can see decrease value. COVID is the main reason of its
- Total trade balance has stable tendency to decrease. It shows about lost independence in foreign trade



VALUES

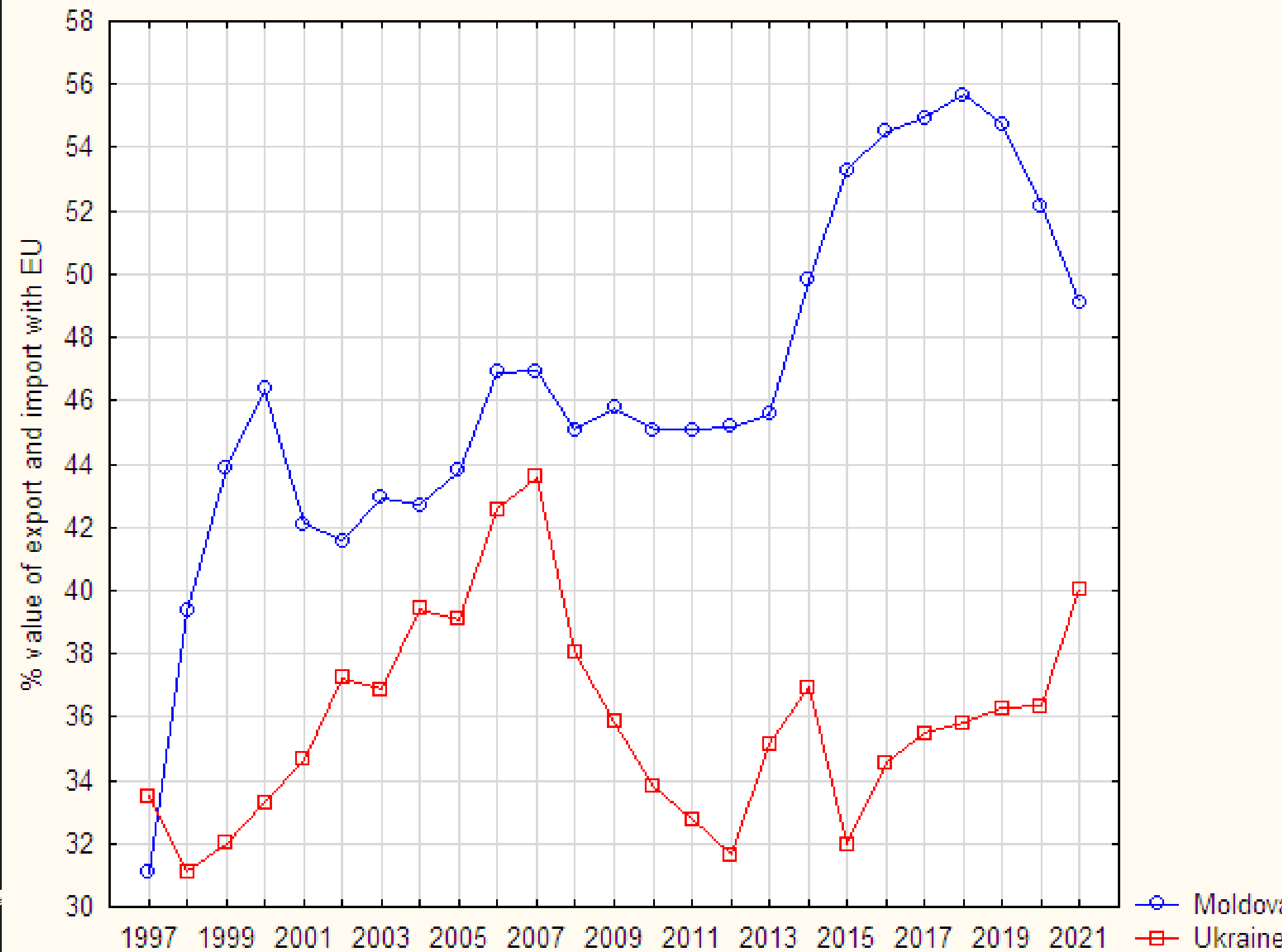
- The values of international trade has stable tendency after DCFTA.
- Before world crisis in 2007 we can see increase value trade with EU
- Total trade balance has cyclic tendency.



STATISTICS

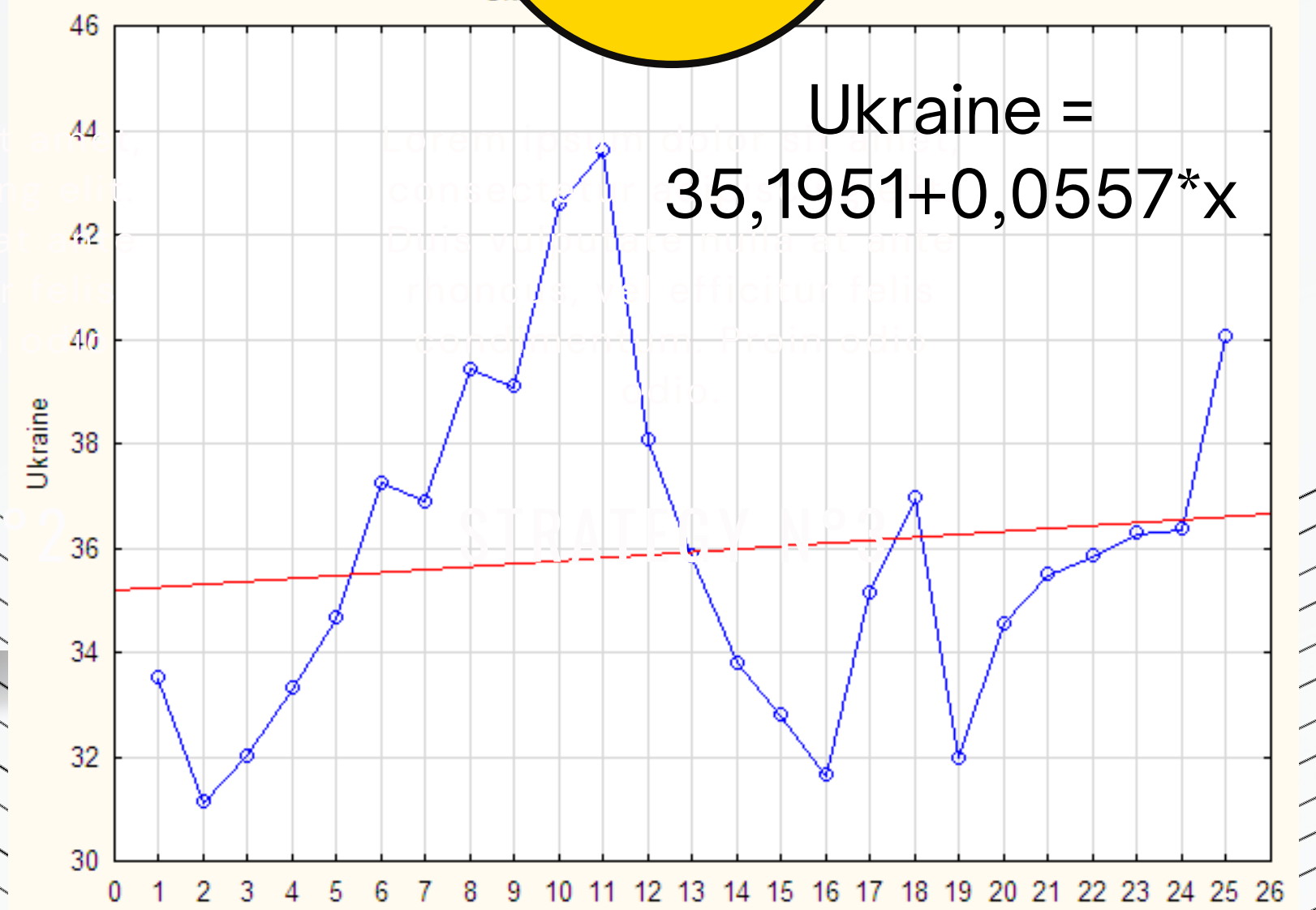
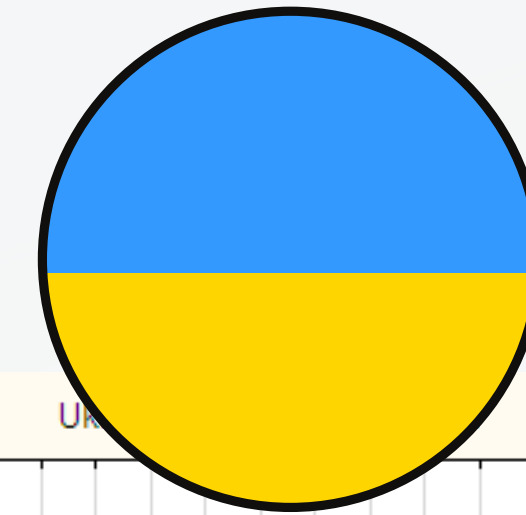
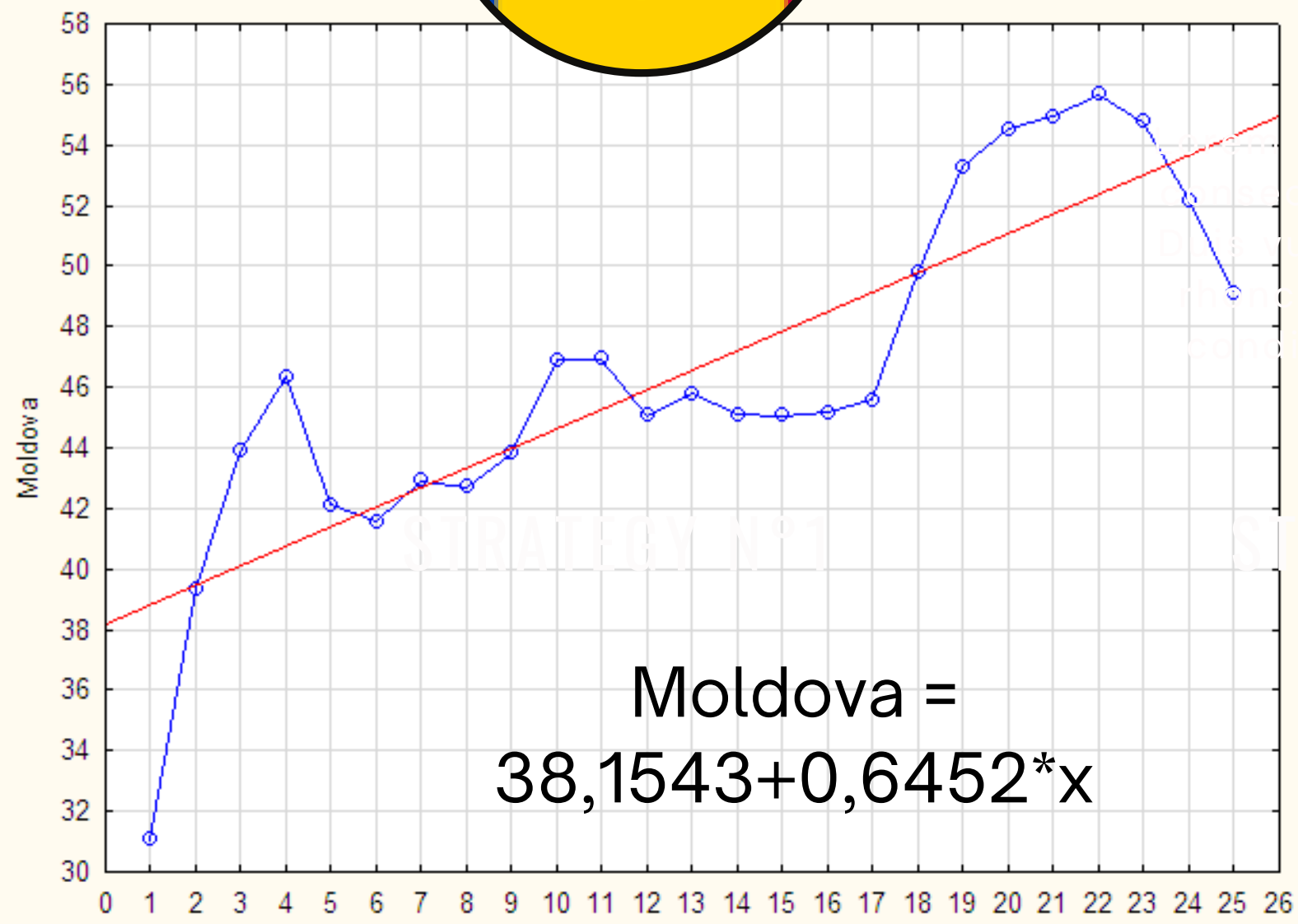
These graphs show us about different tendency in development foreign trade in Republic of Moldova and Ukraine.

After DCFTA trade with EU was increase for Moldova and was stable for Ukraine



MODELS

The analysis of the date can find general model for the investigation. It contents trend T and cyclic C components



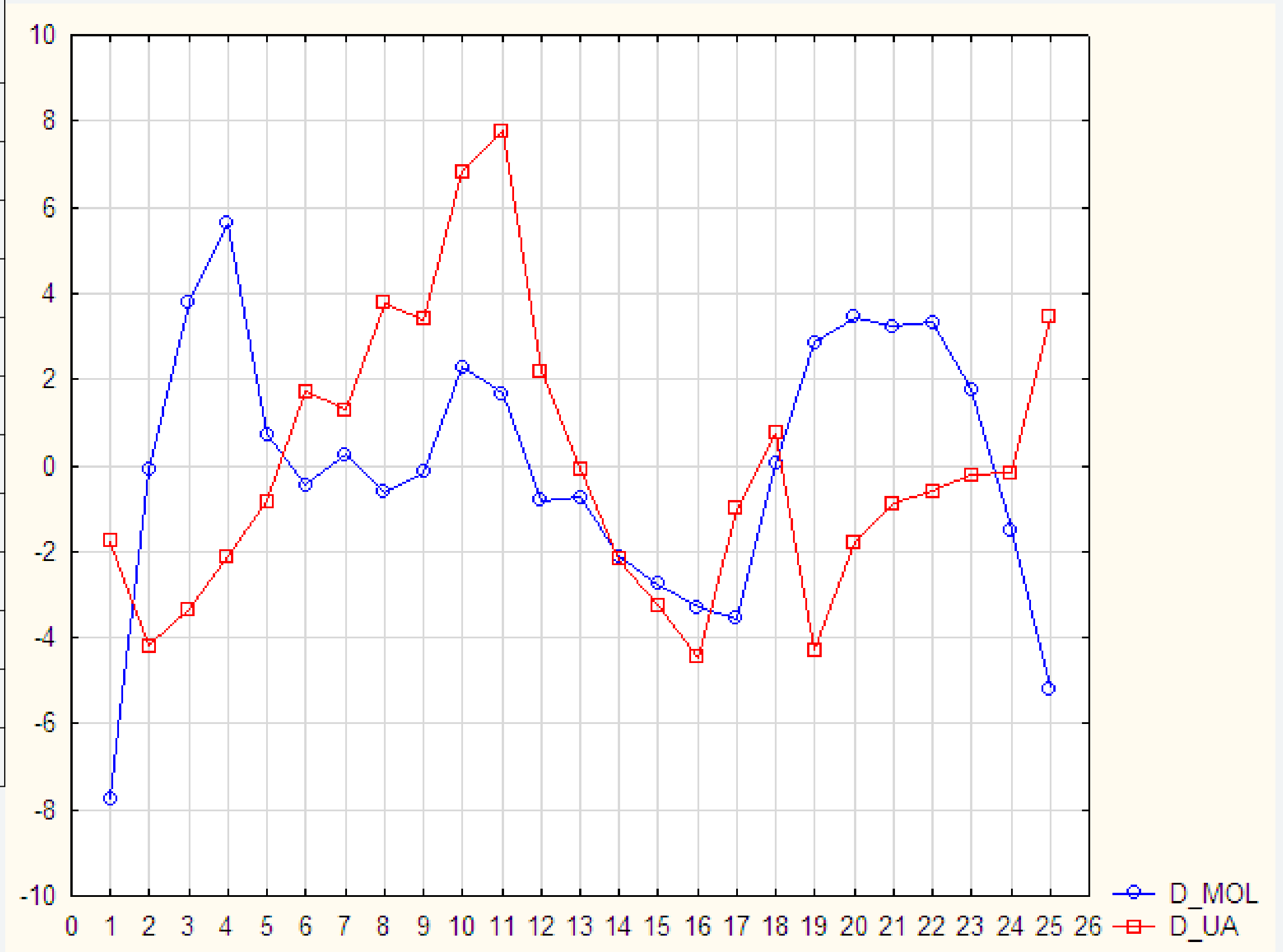
MODELS

- The trends have closed first point 38% for Moldova and 35% for Ukraine
- The curves of the trends is very different more than 11 times which indicates the impact of drastic components on the dynamics of cooperation with the EU. For the Moldovan economy, such dynamics are explained by the influence of the trend component, while the Ukrainian economy is subject to the influence of the cyclical component

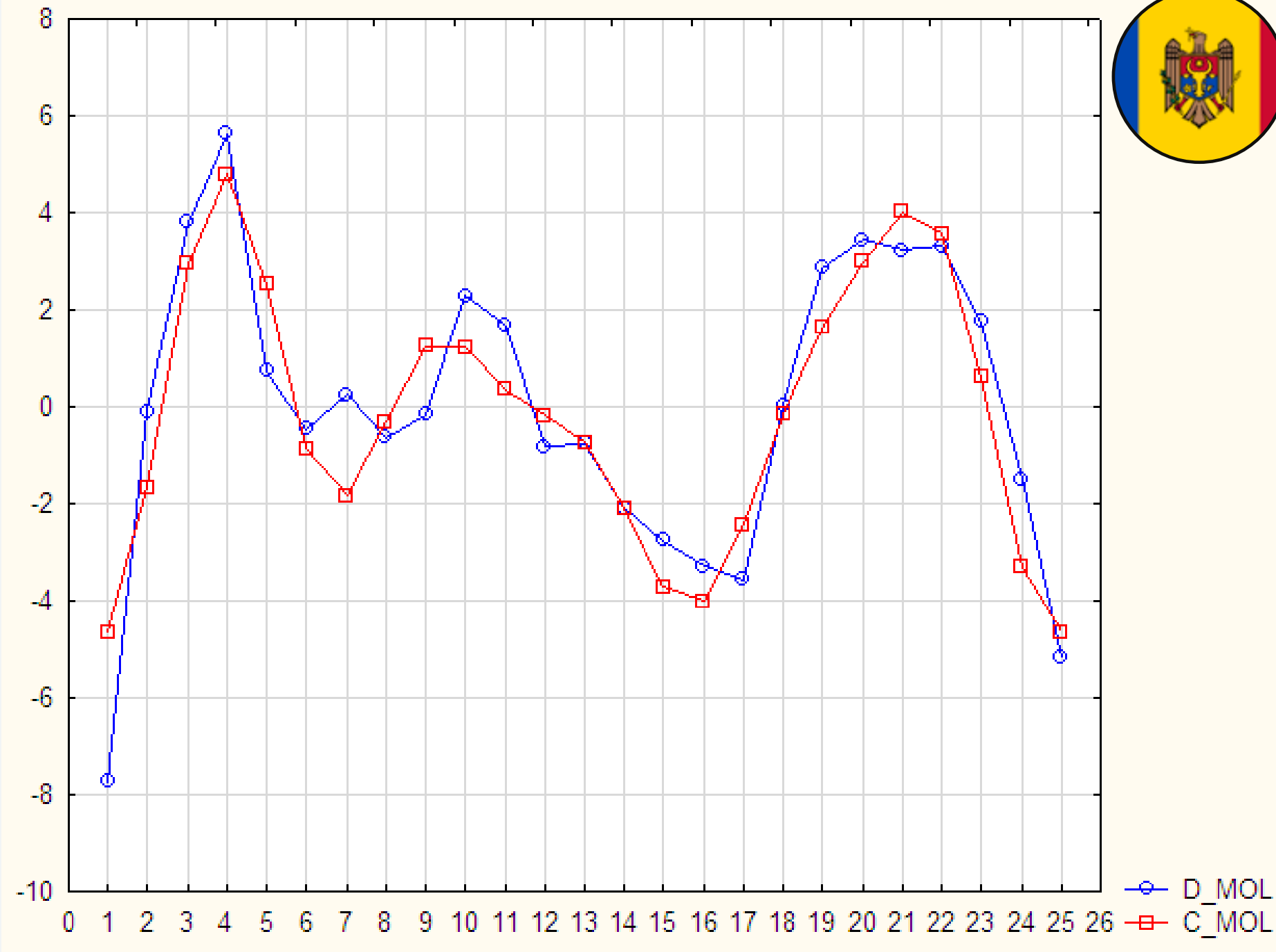
CYCLIC COMPONENTS OF TIME SERIES

Freq	Period	Cosine	Sine	Periodogram	Density
Moldova					
0,0417	24,0000	0,9889	0,2716	12,6192	17,1005
0,0833	12,0000	-1,2895	-0,9996	31,9442	37,0647
0,1250	8,0000	-1,9395	1,6487	77,7572	49,6840
0,1667	6,0000	-1,3934	0,4947	26,2363	35,6831
0,2083	4,8000	-1,0117	-0,3616	13,8504	20,4619
Ukraine					
0,0000		-0,2875	0,0000	0,9922	51,3408
0,0417	24,0000	-1,6440	2,2243	91,8032	67,0799
0,0833	12,0000	-0,5275	-2,7319	92,8984	65,7361
0,1250	8,0000	0,5133	0,4053	5,1327	33,7755
0,1667	6,0000	-0,4365	-1,3474	24,0717	15,4238

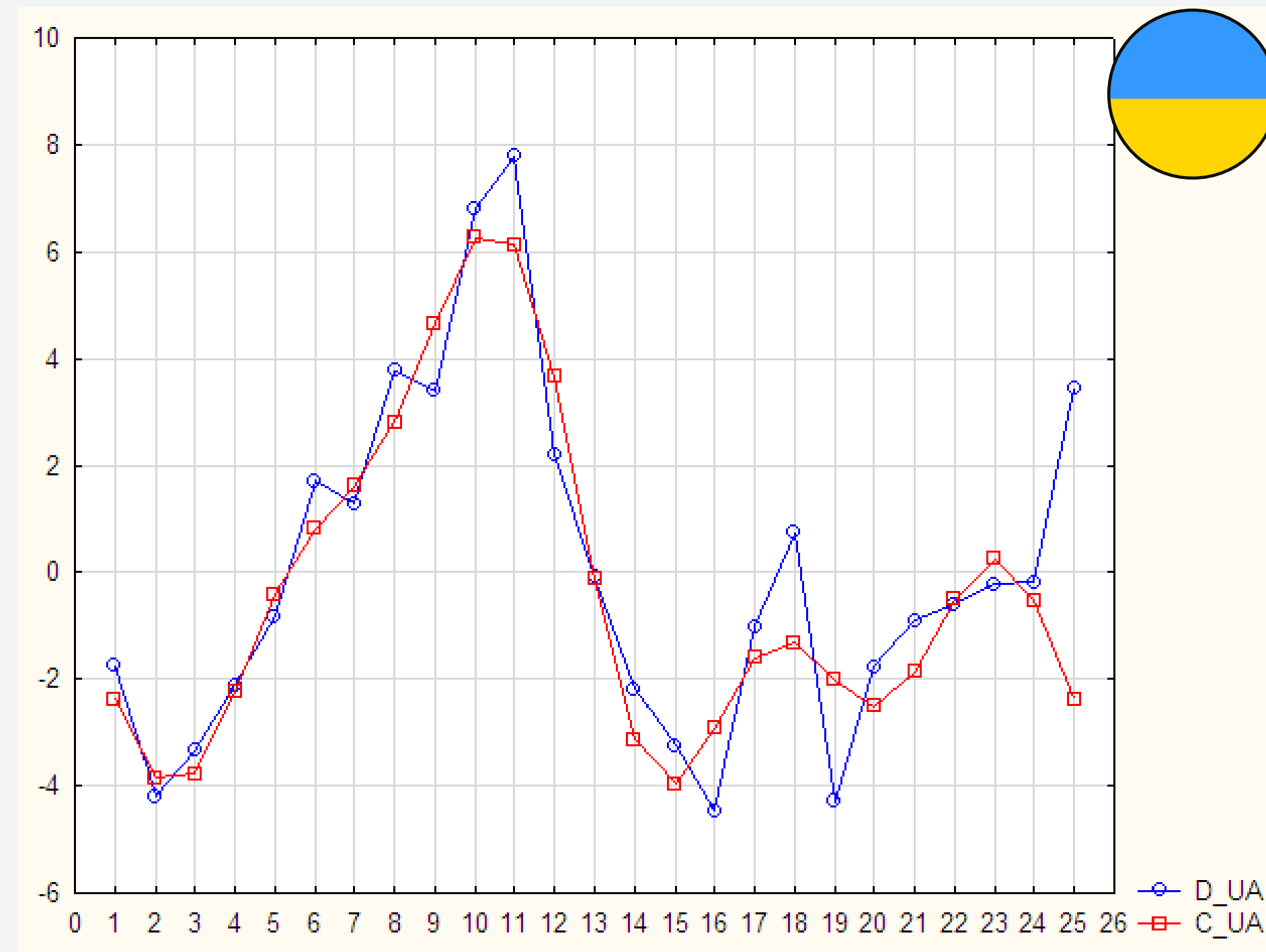
These cyclical harmonics explain, respectively, 78% and 88% of the cyclical components of the development of trade with the EU



GRAPH OF THE CYCLIC COMPONENTS



MAPE criteria are equal 4.2% and 9.6% for the relevant series



CONCLUSIONS



- The dynamics of the % of trade value have trend and cyclic components but the trend lines for each country are different
- general value of the % of trade with EU is around 35% that show structure of the trading for Moldova and Ukraine
- cyclic components are very strong for these series. and in the cyclic component
- In the cyclical component, long-term cycles with a period of 24 and 12 years have the greatest influence

THANK'S FOR WATCHING

*if everybody will make small good
things that our world will be better in
the future.*

