

Measuring development of Romanian agriculture in the actual context of Common Agricultural Policy (CAP)



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General aspects

1. Major changes have influenced the international economy and those changes are generated especially by internationalization of production after 1980's and regional trading arrangements (Hanson B. T., 1998, pp. 55-85)
2. The main changes were the rapid development of direct foreign investment in national economies and the constant grow of international commerce. (Hirst P., Thompson G., 2002, pp. 98 -101)

Common agricultural policy (CAP) – general frame

Beginning with aims regarding good prices for farmers (1962), the CAP shifts from market support to producer support (in 1992) and encouraging centres for rural development in 2000

Now the last tendency of CAP (from 2011) is to strengthen the economic and ecologic competitiveness in the European agricultural market

(The Common Agricultural Policy document, 2012).

Romania and the Common Agricultural Policy (CAP)

From 2007 Romania have the obligation to fulfil all the specific legislation, normative and rules in general, derived from *acquis communautaire*.

In this specific context, also the agricultural field must fulfil the implementing of a lot of EU norms, regulations and rules, but also to use specific indicators for measuring the development.

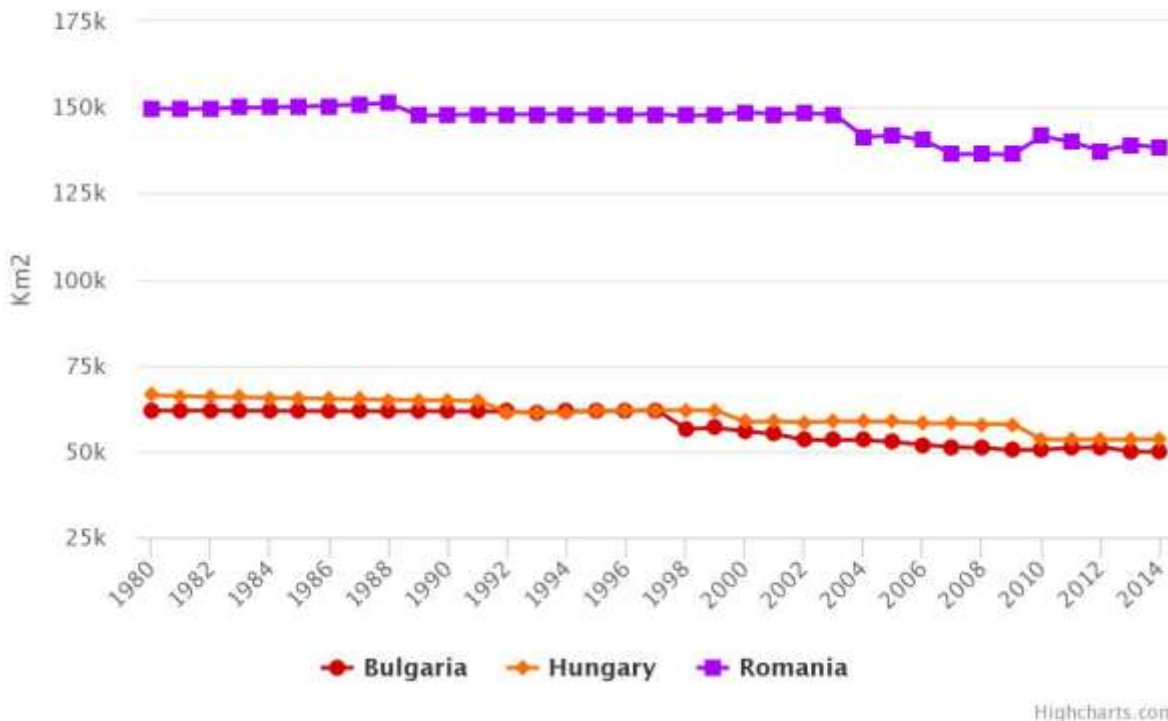
Measuring agricultural parameters (in conformity with the CAP policy)

Measuring Romanian agriculture (some fields):

1. Agricultural land potential
2. Irrigational potential
3. Cereal Yield
4. Mechanization of agriculture
5. Fertilizer consumption
6. Nutritive value of food (food production index)

Measuring of the agricultural land potential

Agricultural land (sq.km)

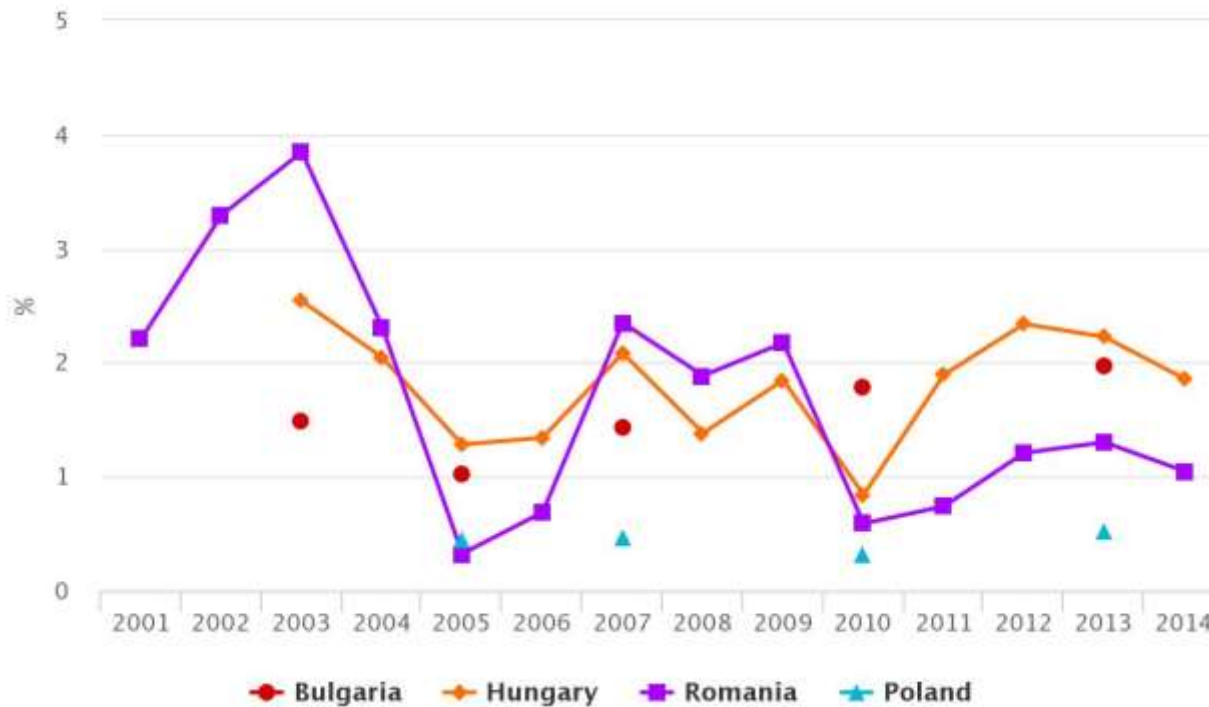


Romania has lost over **11.000 sq. km** from 149,640 sq. km (in 1990) to (138.300 sq. km (in 2014).

Romania is the second land owner (as agricultural surface) after Poland (in eastern of Europe).

Measuring of the irrigation potential

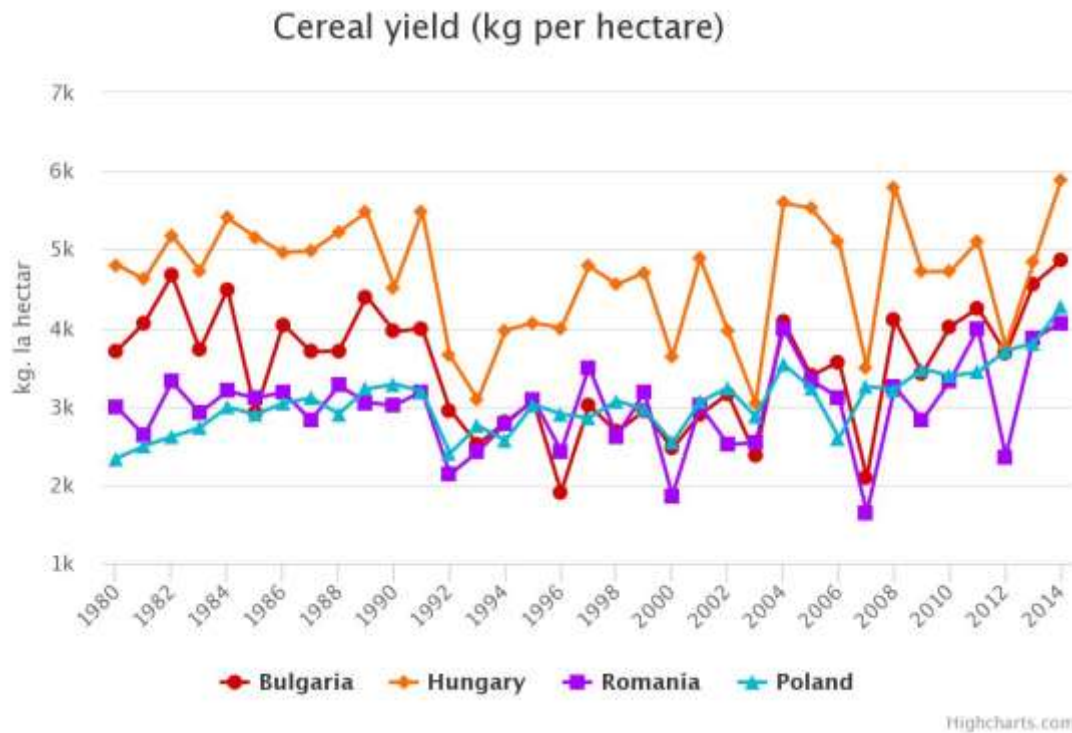
Agricultural irrigated land (% of total agricultural land)



Romania has lost more than 300% of irrigable surface between 2002 to 2014.

Highcharts.com

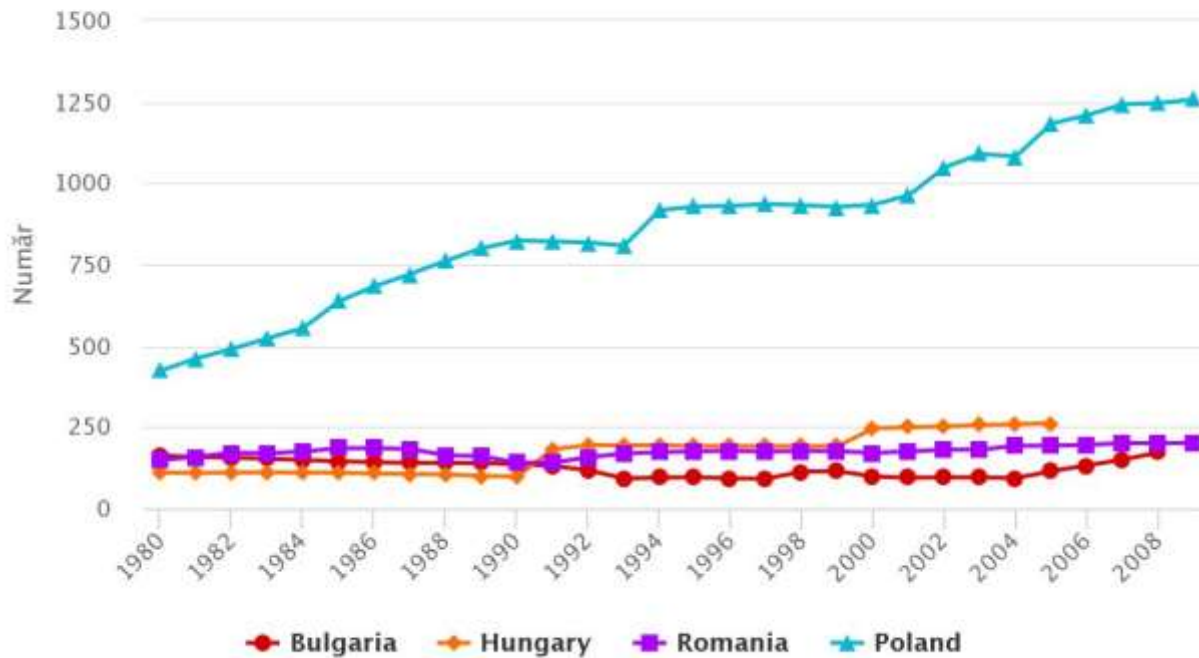
Measuring the cereal yield



Romania **has the lowest cereal yield** (from all the eastern competitors).
At 2014 level, Romania has a cereal yield of 4.069 kg/ha, Bulgaria 4.268 kg/ha, Poland 4.860 kg/ha and Hungary 5.897 kg/ha

Measuring the mechanization of agriculture

Agricultural machinery, tractors per 100 sq. km of arable land (total number)

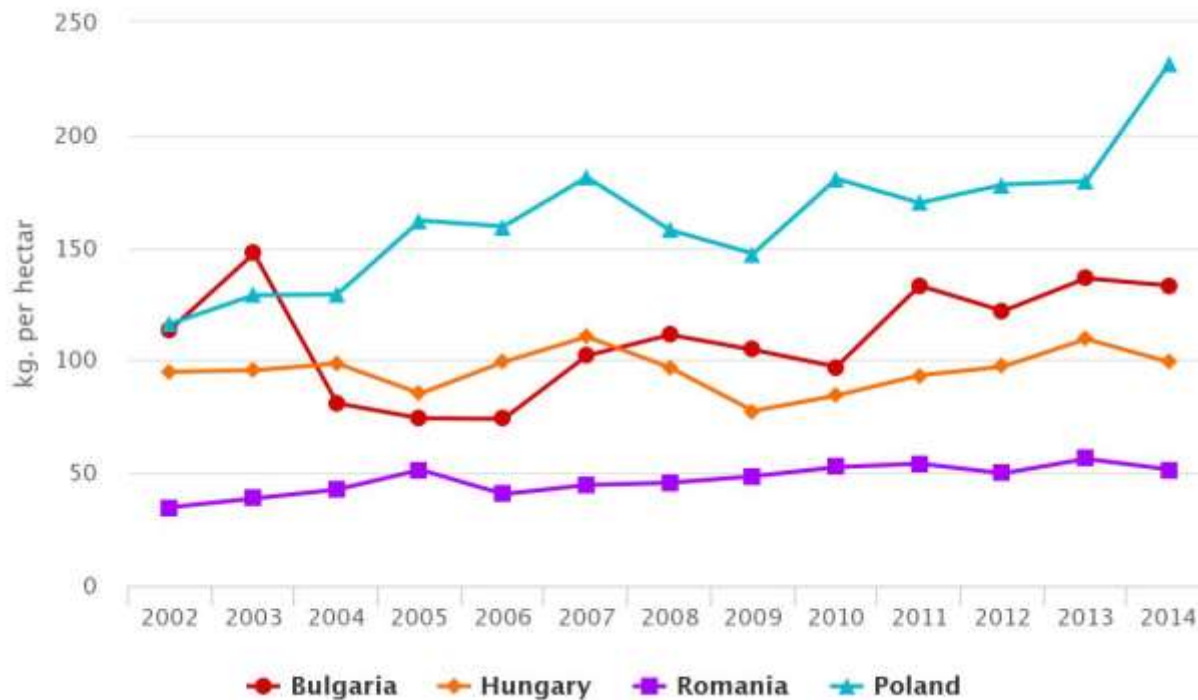


In 2008 in **Poland** were **6 time more** agricultural machinery (1.257.904 units) **than România** (200.424 units) **and Bulgaria** (172.291 units).

Highcharts.com

Measuring the fertilizer consumption

Fertilizer consumption (kilograms per hectare of arable land)



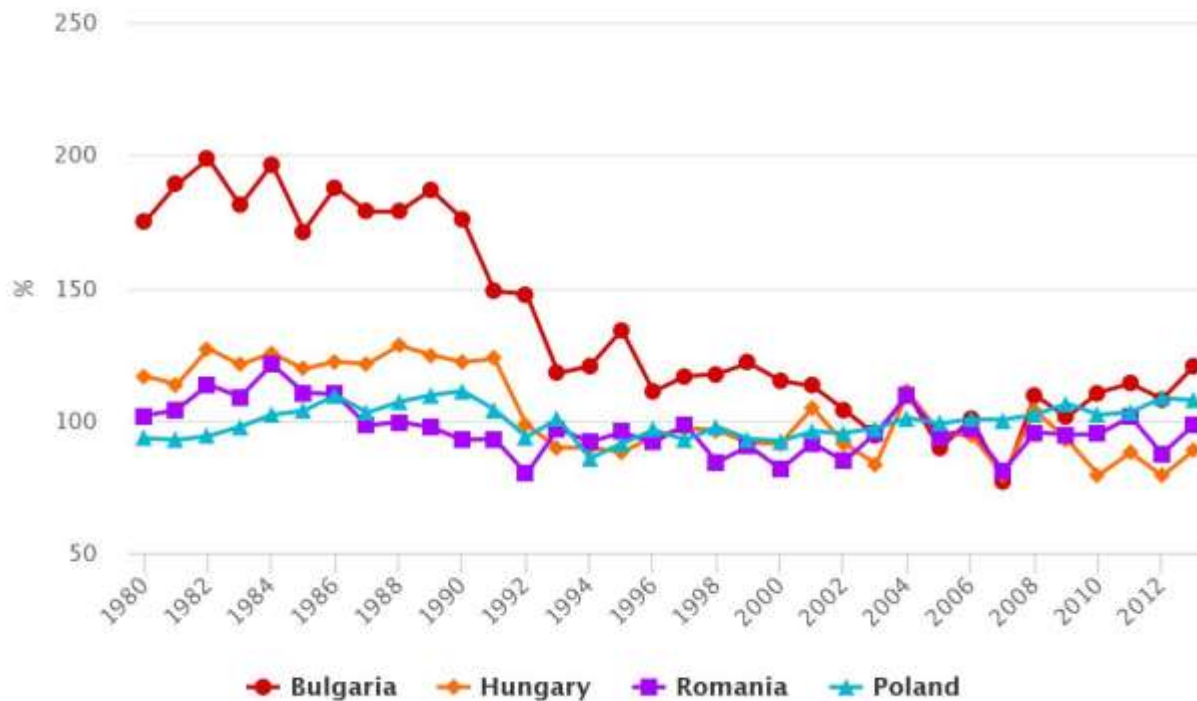
Romania has the poorest rate of using of fertilizer consumption from the eastern competitors.

In 2014 Romania used only 51,52 kg/hectare, in the same time Poland used 231,64 kg/hectare.

Highcharts.com

Measuring the nutritive value of food

Food production index (2004–2006=100)



The **nutritive value for food** (expressed by food production index) **have approximately the same value in 2012 (98,32) than 1980 (101,62).**

Highcharts.com

Conclusions

1. Romania is strong related to the provisions of the Common Agricultural Policy
2. There are some elements of progress and some elements of regress related to the implementation of the provisions of the Common Agricultural Policy in Romania
3. Romania record o dramatically evolution of some representative indicators in the last 20 years:
 - lost about 11.000 sq. km from the agricultural land
 - lost more than 300% of irrigable surface between 2002 and 2014
 - has the lowest cereal yield in the eastern of Europe
 - has 6 time less agricultural machinery than Poland
 - has the lowest quantity of fertilizer used per hectare in the eastern Europe
 - has approximatively the same production nutritive value for food like in the 80th

Thank you!

Questions?

