



INSTITUTE OF AGRICULTURAL
AND FOOD ECONOMICS
NATIONAL RESEARCH INSTITUTE

www.ierigz.waw.pl

Structural changes in family farming in Poland since EU accession lessons learned, challenges and opportunities

Dr Paweł Chmieliński

Dr Bożena Karwat-Woźniak

Professor M. Alina Sikorska

Institute of Agricultural and Food Economics

National Research Institute, Warsaw, Poland

147th EAAE Seminar “CAP Impact on Economic Growth and Sustainability of Agricultural Areas”
October 7-8. 2015 Sofia. Bulgaria



Structure and data



Family Farms in Poland

- Agribusiness
- Structure
- Labour resources
- Land

Data sources

- Mass statistic data: AgriCensus 2002 and 2010. National Census of Population and Housing 2002 and 2011. Economic Activity of the Population Survey (BAEL).
- The findings from field surveys conducted regularly by the Institute of Agricultural and Food Economics – National Research mostly from the 2000, 2005 and 2011 studies.
- In the 2011 survey number of the rural households was 8 477, including 3 331 family farms from 76 deliberately villages whose socio-economic characteristics were representative of rural areas across Poland.

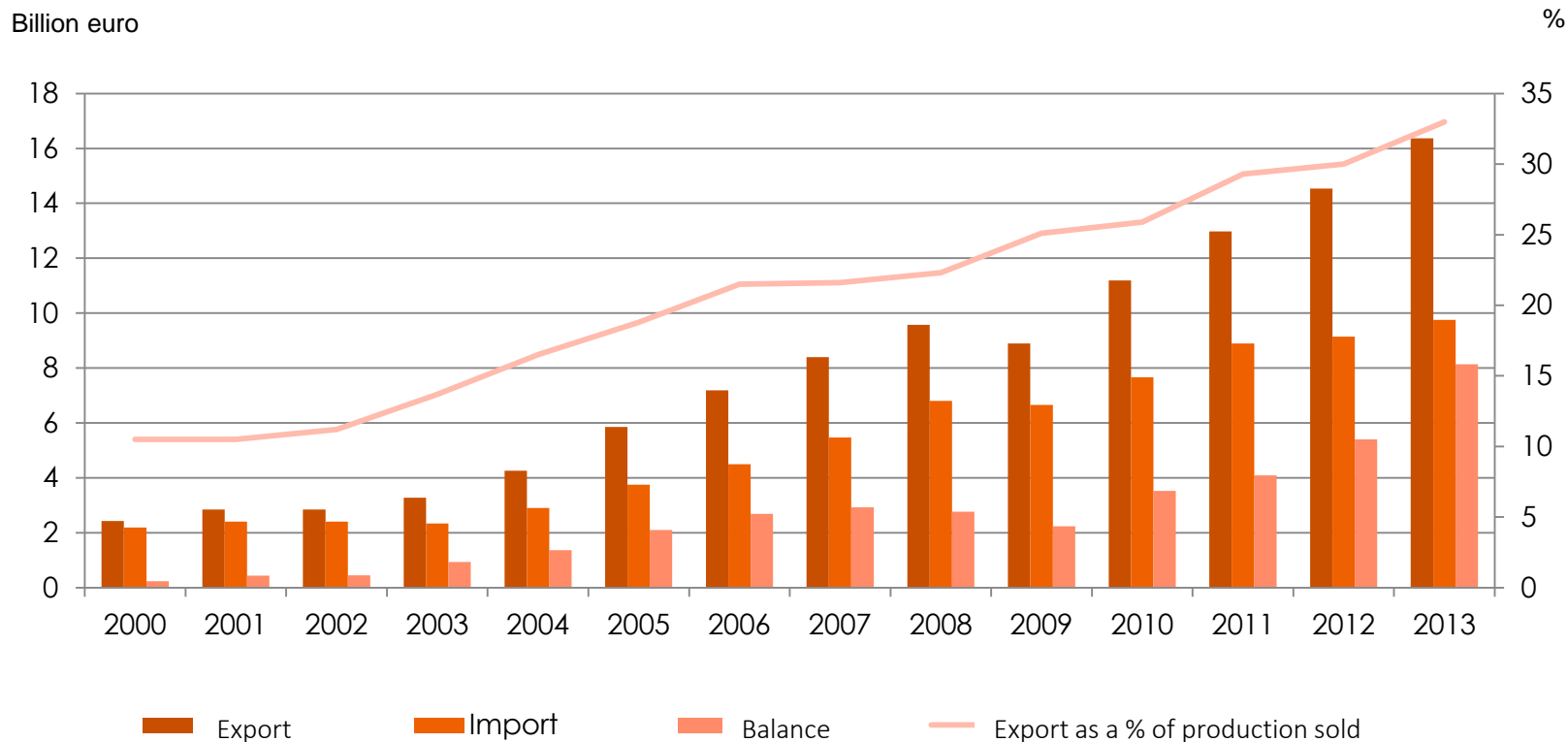


Size and employment structure in agri-food sector

	2000		2005		2012	
	Employment (thous.)	%	Employment (thous.)	%	Employment (thous.)	%
Agriculture	3 932	81.2	2082	69.8	2326	72.6
Food processing sector	502	10.4	458	15.3	443	13.8
Means of production and services for agriculture and food processing sector	407	8.4	444	14.9	434	13.5
Agribusiness (total)	4 841	100	2984	100	3203	100
Share of agribusiness in national economy		32.2		21.0		20.1



Foreign trade



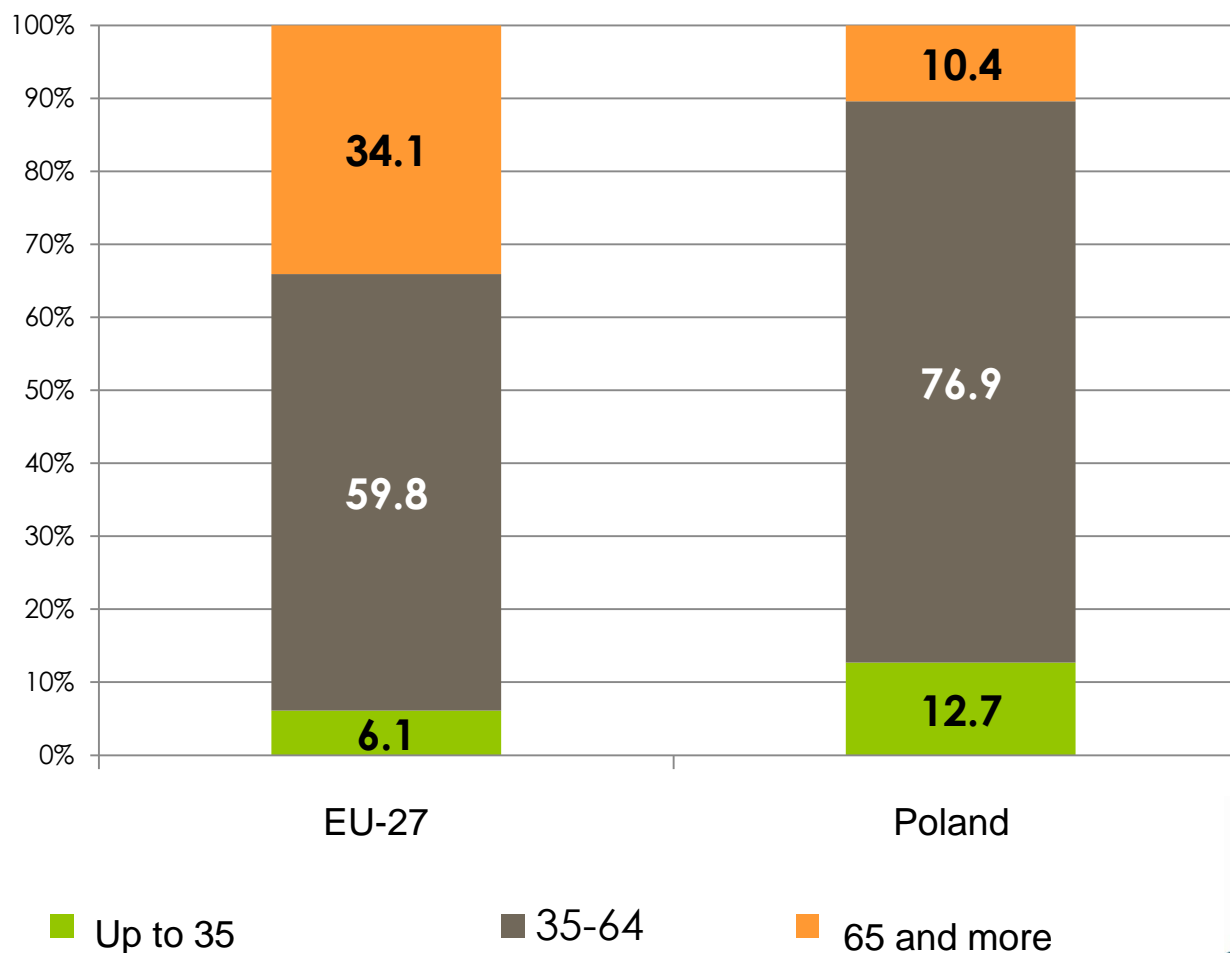
- In 2014. products of food sector were over 80% of total agri-food export value oraz almost 70% of import
- Trade balance of agricultural products (raw material) is negative



Family farms - structure

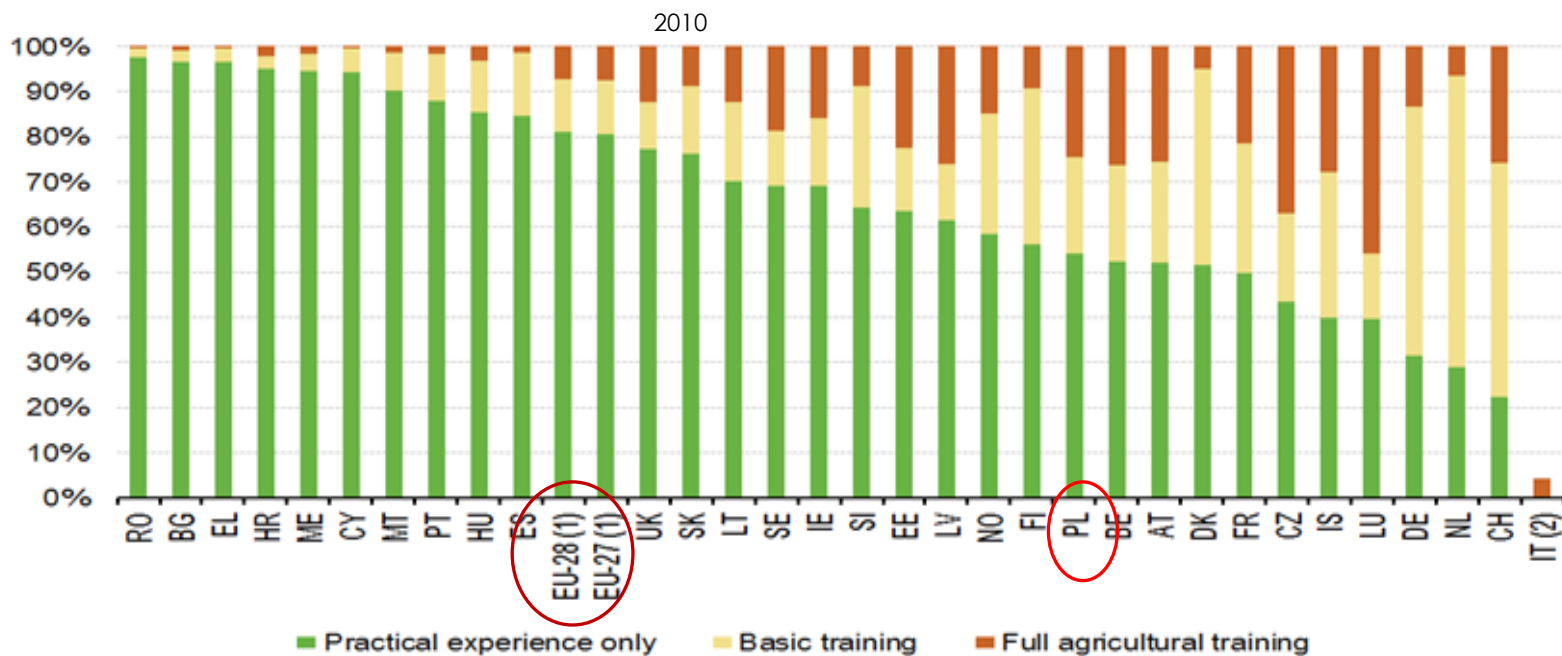
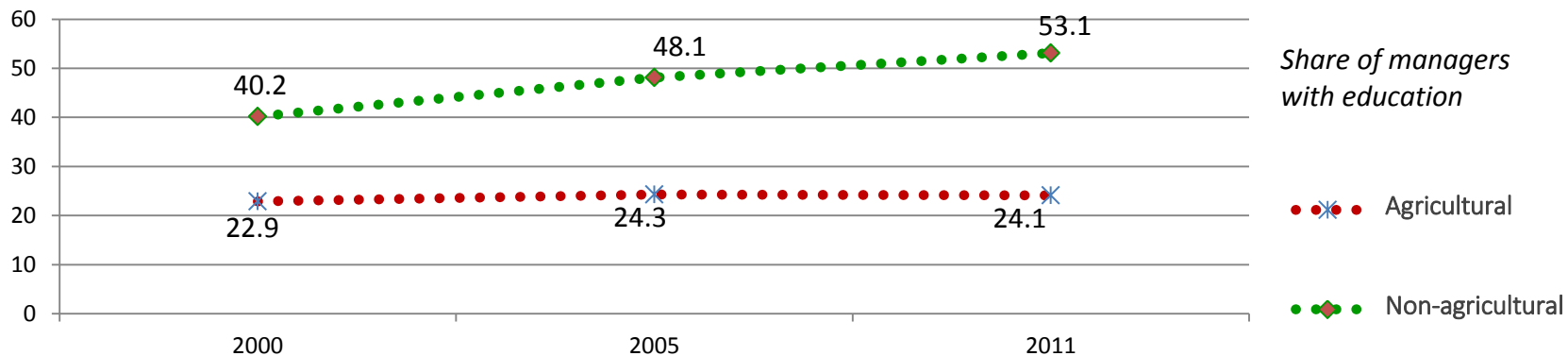
	Year	Total	Size groups (ha UAA)					
			1-5	5-10	10-15	15-30	30-50	≥ 50
Number of farms (thousand)	2002	1 951.7	1 146.3	426.5	182.5	147.9	31.4	17.1
	2010	1 558.4	861.4	351.5	152.2	133.3	35.7	24.3
Farm structure	2002	100.0	58.7	21.9	9.4	7.8	1.6	0.8
	2010	100.0	55.2	22.5	9.8	8.6	2.3	1.6
Change in the number of farms 2000-2010 (%)		-20.1	-25.9	-17.6	-16.6	-10.7	+13.7	+42.1

Managers of family farms in Poland and in the EU-27 by age



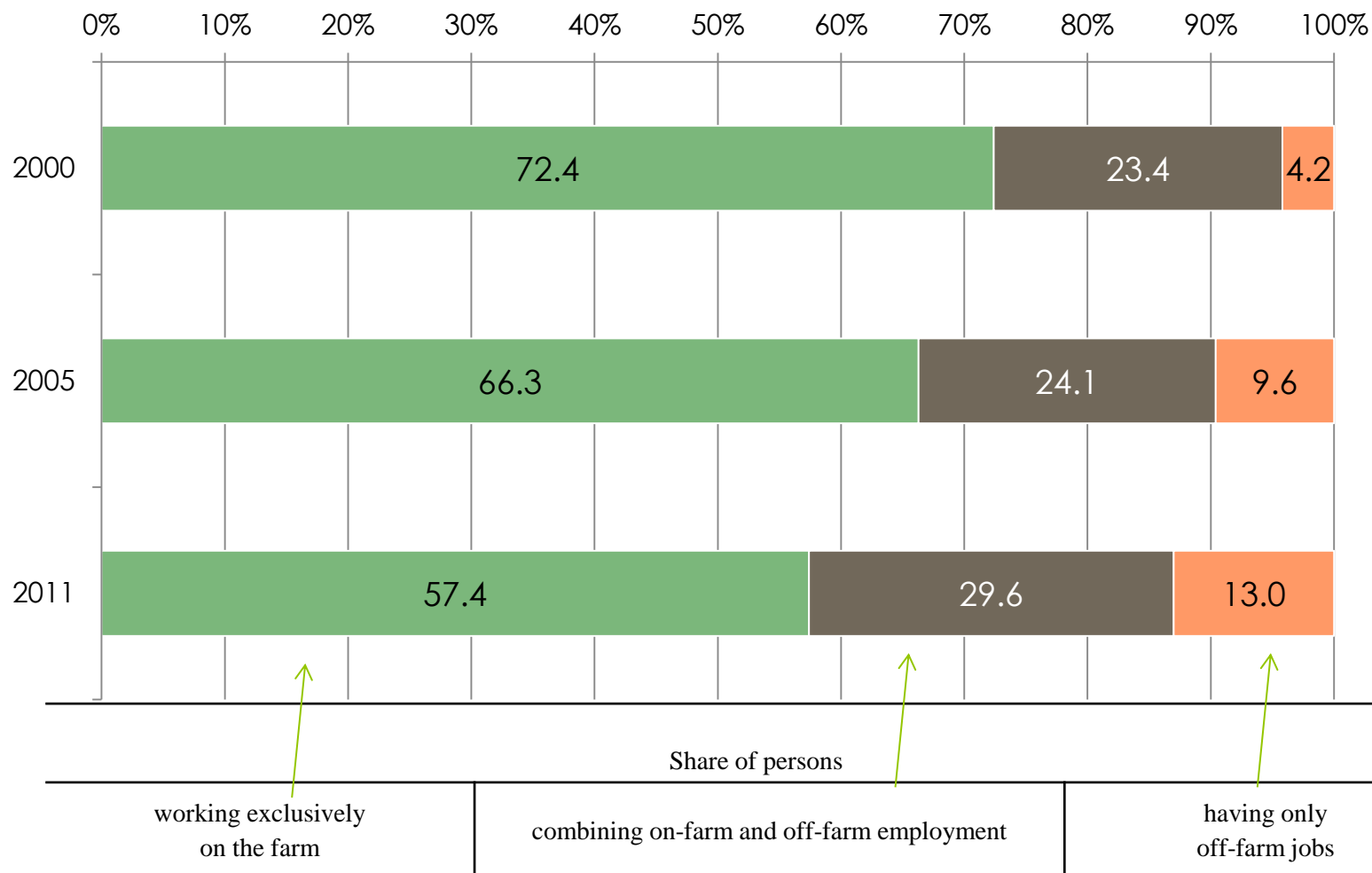
Source: Eurostat 2007.. IAFE-NRI 2011.

Professional education of farm managers



(Eurostat 2013).

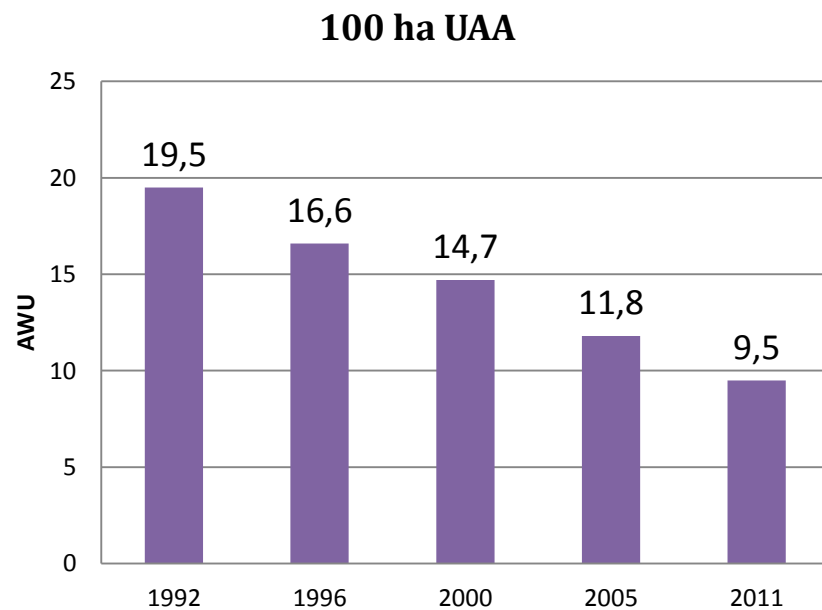
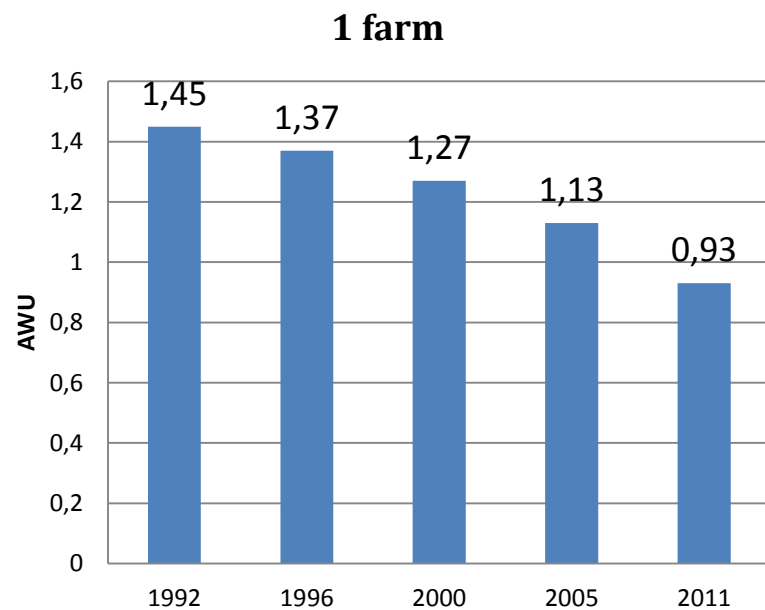
Population in farming families by workplace





Family labour inputs in family farms

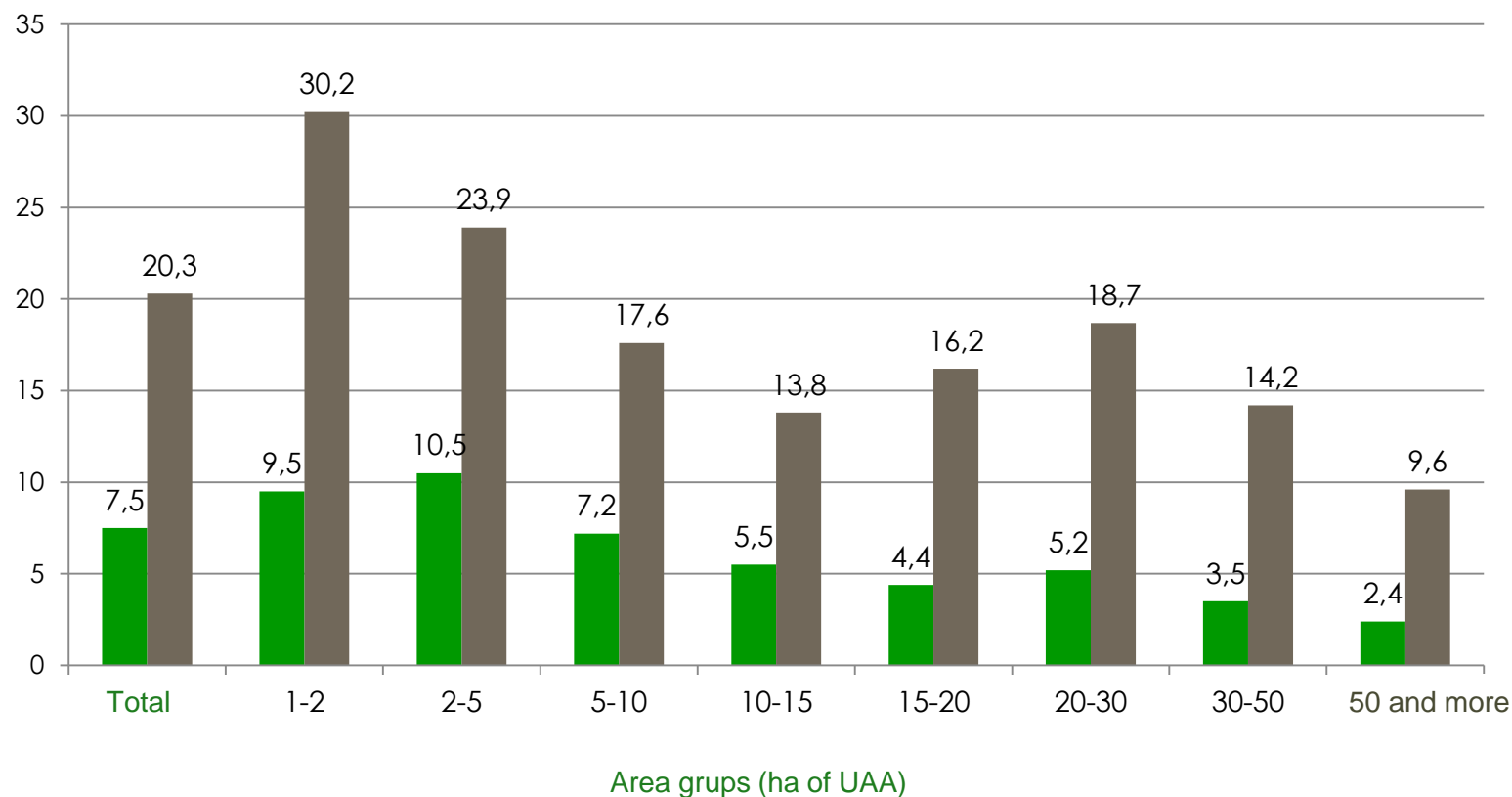
Annual Work Units per





Share of persons redundant in farming identified on the basis of

the respondent's assessment the working time criterion

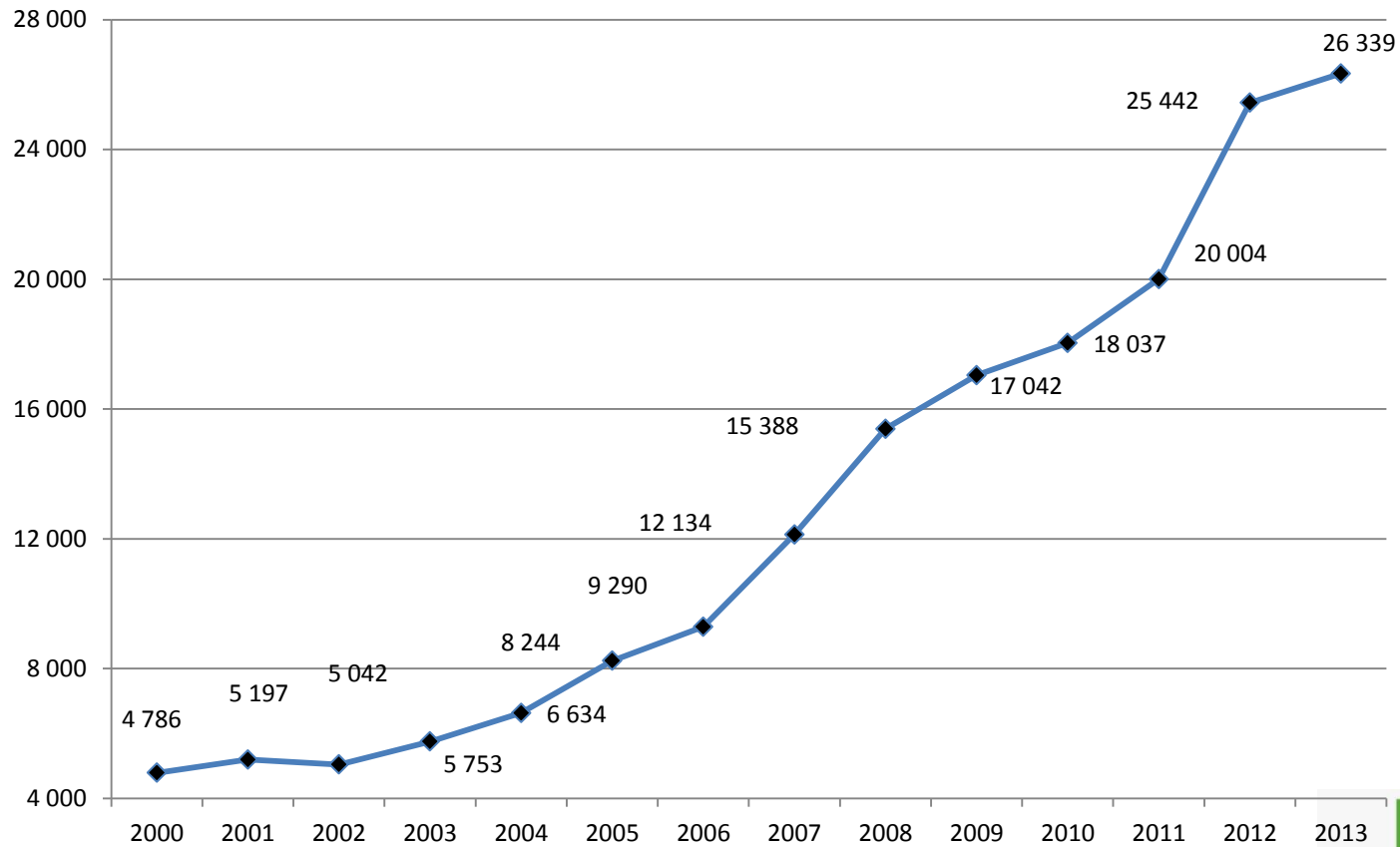




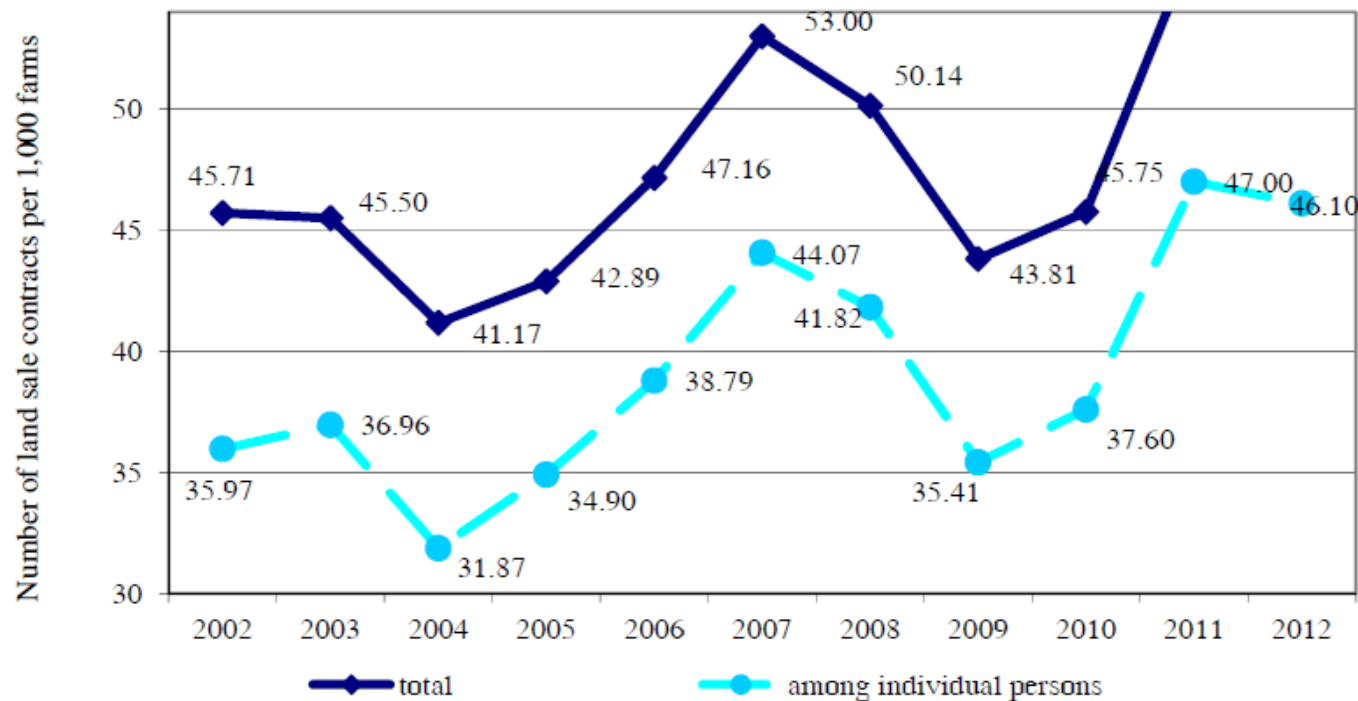
Land use in family farms

	YEAR	Total	Size groups (ha)					
			1-5	5-10	10-15	15-30	30-50	≥ 50
Area (thous. of ha UAA)	2002	13 627	2 532	2 760	2 034	2 875	1 294	2 132
	2010	13 404	2 188	2 501	1 847	2 716	1 348	2 804
Structure	2002	100.0	18.6	20.3	14.9	21.1	9.5	15.6
	2010	100.0	16.3	18.7	13.8	20.3	10.1	20.8
Change in area in 2002-2010 (%)		-1.6	-13.6	-9.4	-9.2	-5.5	+4.2	+31.5

Prices of land in private trade in 2000-2013 (PLN per 1 ha)



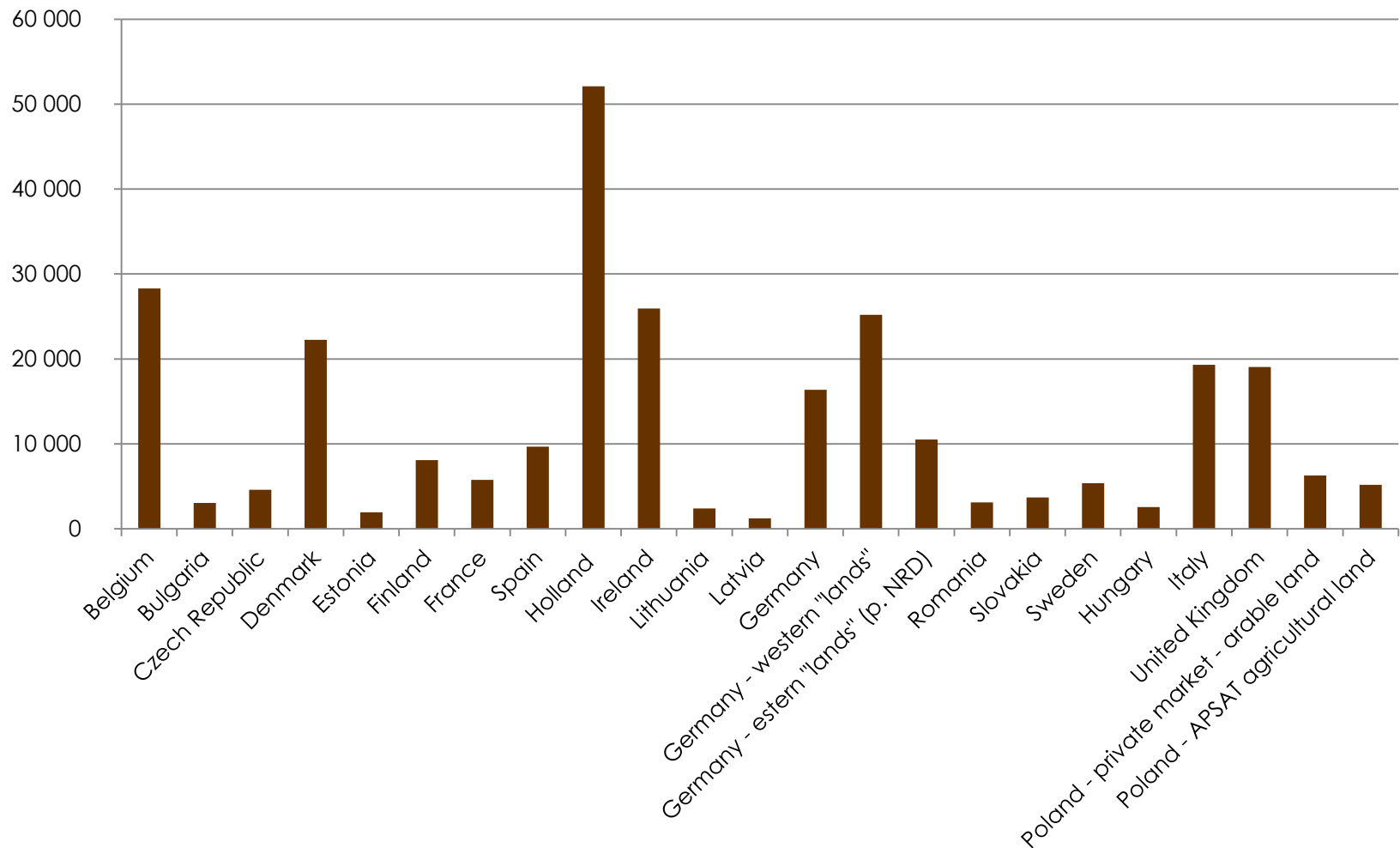
Agricultural land sale transactions in 2002-2011



Source: Prepared based on the data collected by the Department of Statistics of the Ministry of Justice.

Sikorska, 2015

The average prices of agricultural land leased in selected European countries in 2013 EUR/ha



Conclusions

- Experiences:
 - Family farming vs. Strong food processing sector
- Challenges:
 - Employment opportunities on family farms play a minor role in reducing the imbalance in the rural labour market.
 - Tight local labour markets.
 - Hunger for land from young managers of family farms.
- Opportunities:
 - Smart specialisation, food processing and local food systems, direct sales, smart intensification, eco-food.
 - Understanding of shift from quantity-driven through quality- driven to value-added production.



INSTITUTE OF AGRICULTURAL
AND FOOD ECONOMICS
NATIONAL RESEARCH INSTITUTE

www.ierigz.waw.pl

Structural changes in family farming in Poland since EU accession lessons learned. challenges and opportunities

Paweł Chmieliński.

Bożena Karwat-Woźniak

M. Alina Sikorska.

Institute of Agricultural and Food Economics

National Research Institute. Warsaw, Poland

Corresponding author: chmielinski@ierigz.waw.pl