

Small-scale food production in Hungary

MEGYESI G. BOLDIZSÁR,

CENTRE FOR SOCIAL SCIENCES, HUNGARIAN ACADEMY OF SCIENCES, HUNGARY,

14TH EUROPEAN RURAL DEVELOPMENT NETWORK CONFERENCE

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Outline

The subject:

backyard/home-gardeners

Trends

Methods

Results

Policy implications

Research questions

How many farmers/home-gardeners do we have in Hungary?

What are the main trends in the number of agricultural producers?

Who are the backyard/home gardeners?

How does the policy influence them?

Methods

Statistics

OTKA 108836: Integration processes...

Sample: in 2015 2678 respondents

Sample: in 2005 1001 respondents

A binary logistic regression & clusters, SPSS

The subject

Back-yard or home gardens (Guitart et al. 2012)

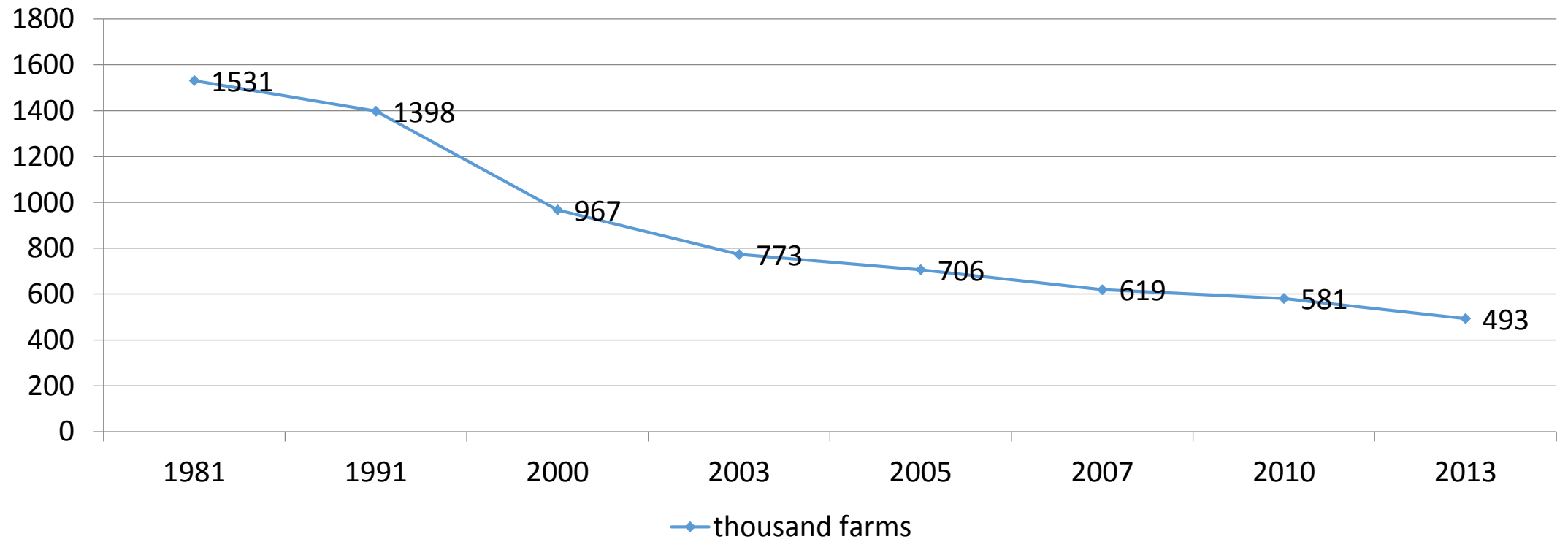
Subsistence farming

„Do you produce any vegetables, fruits, arable crops, or keep animal for your own consumption?“

Excluded:

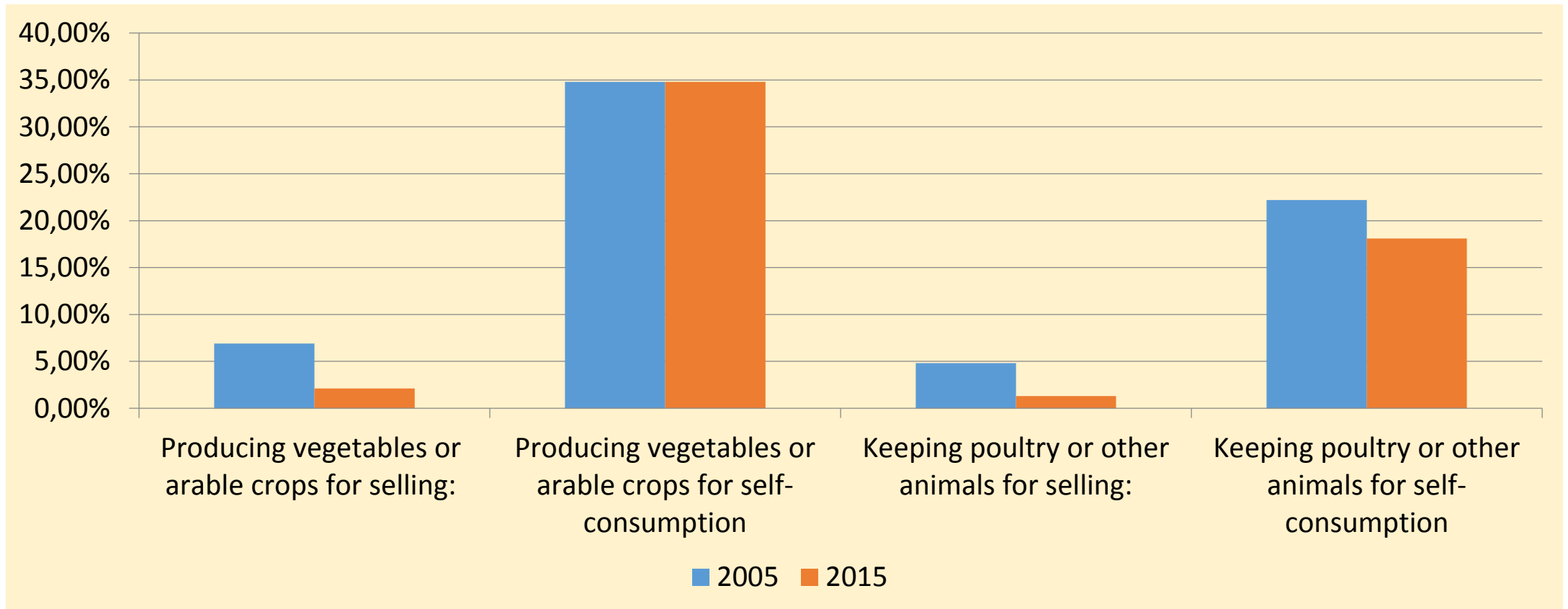
„Do you produce any vegetables, fruits, arable crops, or keep animal for your own consumption?“

Main trends (number of farmers)



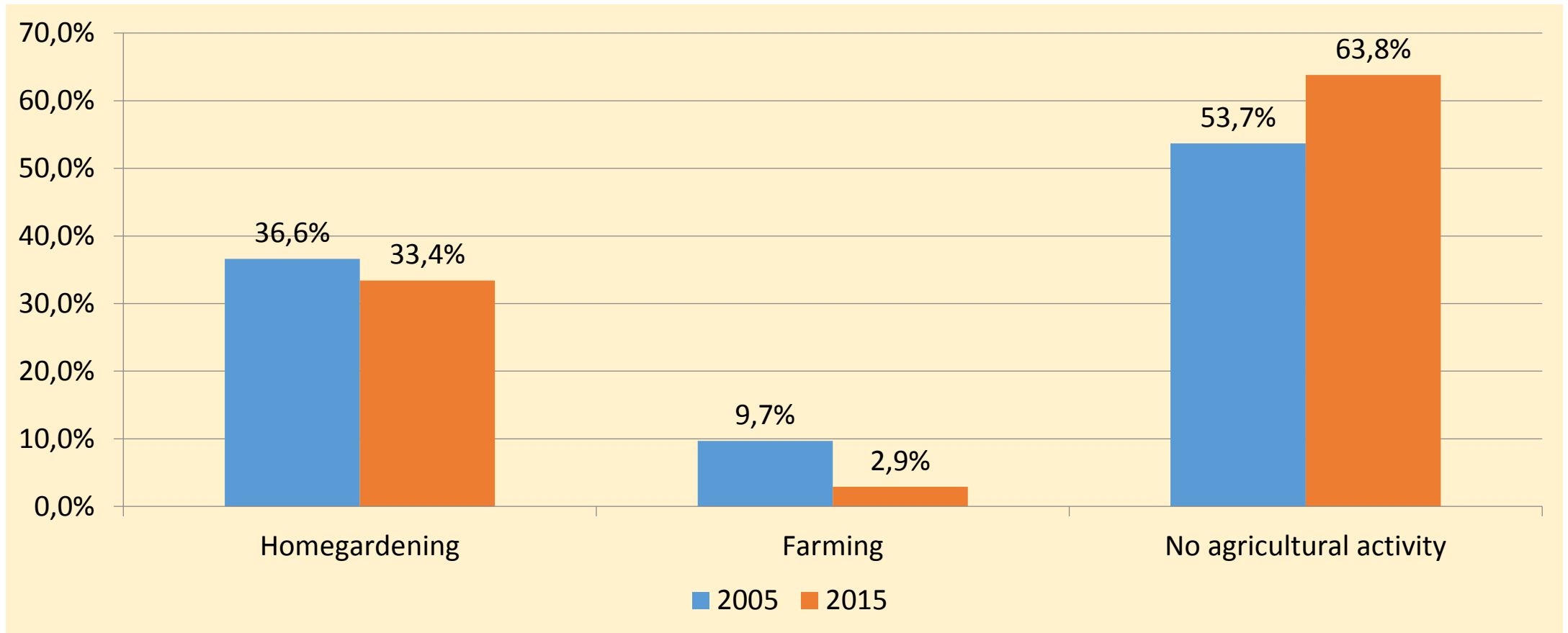
Data source: Hungarian Statistical Office (https://www.ksh.hu/agrarcenzusok_agrarium_2016)

Main trends in homegardening



Data source: OTKA 108836 & OTKA 46336.

Main trends in homegardening



Data source: OTKA 108836 & OTKA 46336.

Factors influencing backyard gardening

	B	S.E.	Exp(B)
Age	-,022	,005	,979*
Per capita HH income	,000	,000	1,000*
Reg. dev. index	,767	,141	2,154*
Settlement type (Capital)			*
county capital	-1,695	,403	,184*
rural town	-2,087	,404	,124*
village	-2,201	,500	,111*
active (job)			
retired	,107	,176	1,113
jobless	,602	,331	1,826
else	-,391	,229	,677
temporary job	,292	,249	1,339
elementary school			*
specialized school	-,308	,148	,735*
high-school	-,092	,157	,912
university degree	-,456	,209	,634*
Constant	1,861	,590	6,430
region			*
regio(1)	,606	,182	1,833*
regio(2)	,727	,209	2,069*
regio(3)	,187	,226	1,206
regio(4)	,088	,216	1,092
regio(5)	,455	,243	1,575
regio(6)	,736	,198	2,088*

Factors influencing backyard gardening

Age

Level of education

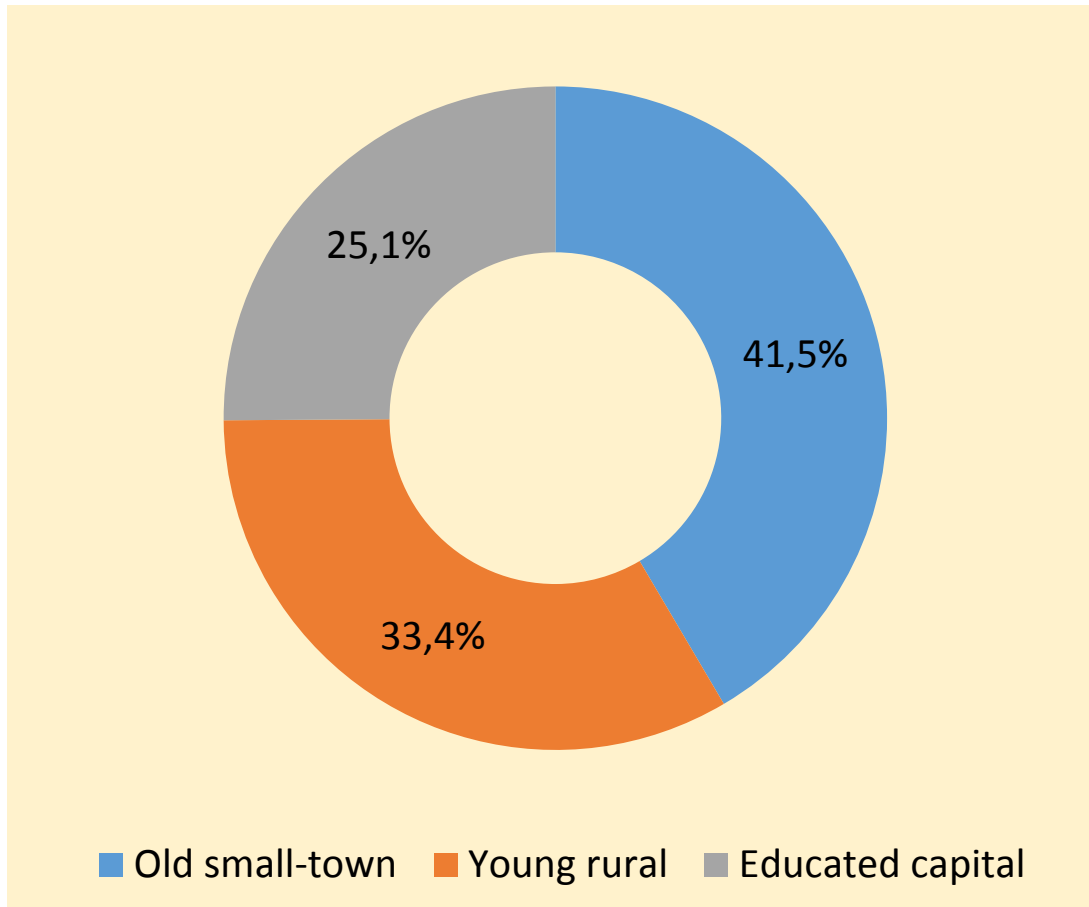
Settlement type

Region

Activity at the job market

(22% explanation, significant)

Typology of backyard gardeners (2015)



Based on:

- Age
- Income
- Education
- Number of inhabitants in the settlement

Characteristics of backyard gardeners

Name	Case	Income (Huf)	Activity	Age	Level of education	Ter. development	Settlement type
Old small-town	306	78.644	Retired	68	Elementary school	0,64	Rural small town
Young rural	246	57.670	Employee	37	Vocational school	0,34	Village
Educated capital	185	117.065	Retired / Employee	58	High-school	1,23	Capital
Sample average	737	81.288	Retired / Employee	55	Elementary / Vocational school	0,69	Village

¹ Household income per capita

Discussion

Three groups:

- Poor, non-educated people, in back-warded areas
- Retired people in small-towns
- Wealthy, educated townspeople – urban agriculture

Conclusions

Different groups – different motivations.

Different policies have indirect effect on back-ground gardening.

Future qualitative research necessary to reveal their background.



[Megyesi.Boldizar@tk.mta.hu](mailto:Megyese.Boldizar@tk.mta.hu)

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