

Workshop In situ and Ex situ gene conservation
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In situ and Ex situ gene conservation in Moldova

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In the Republic of Moldova, as a developing country, the immediate concerns is food security and economic development

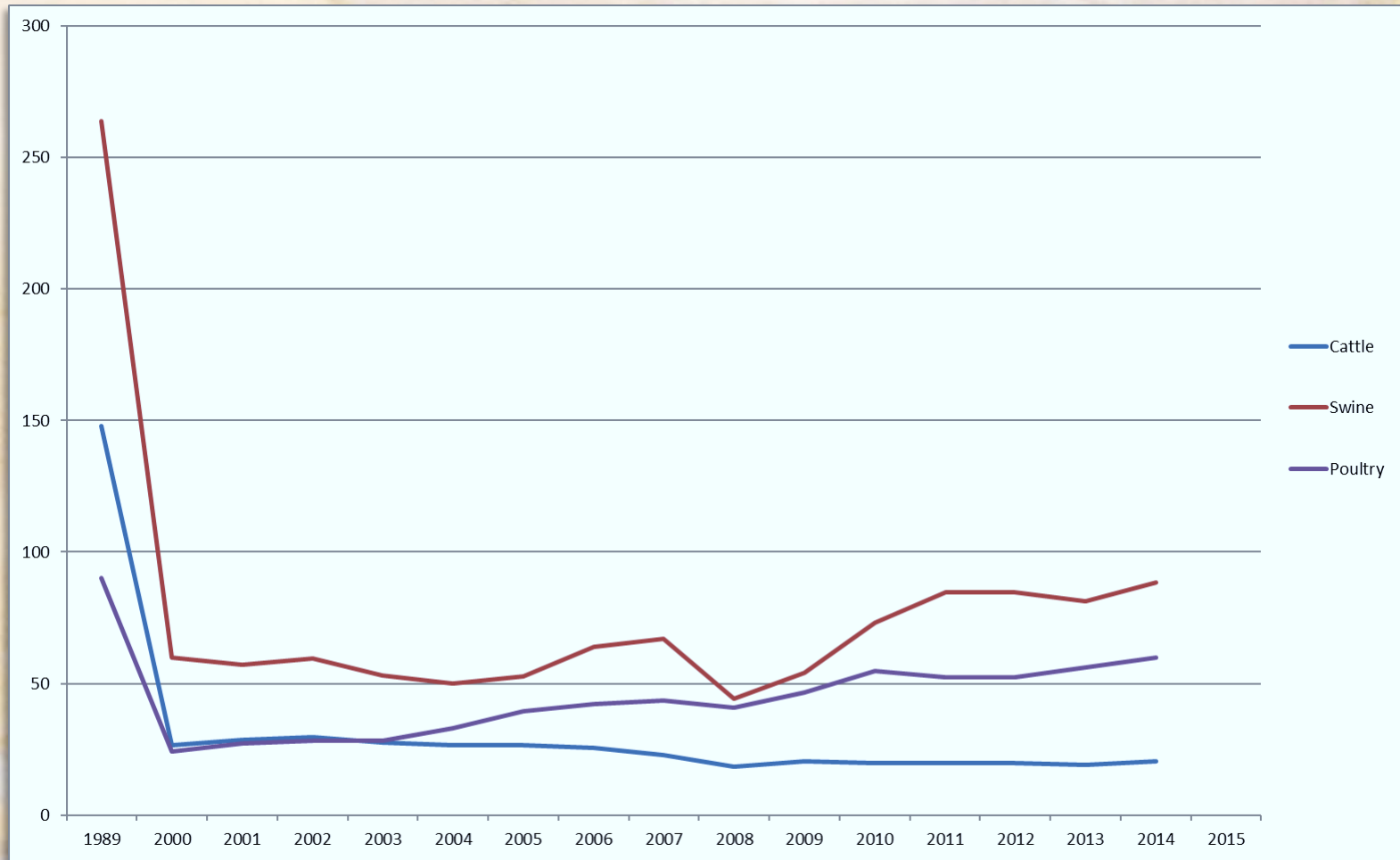
The background of the slide is an abstract composition of overlapping circles and curved lines in warm, earthy tones such as beige, cream, and light brown. The lines vary in opacity and thickness, creating a layered, organic feel. The overall effect is soft and textured, resembling a watercolor or a close-up of a natural surface.

The livestock sector in the Republic of Moldova

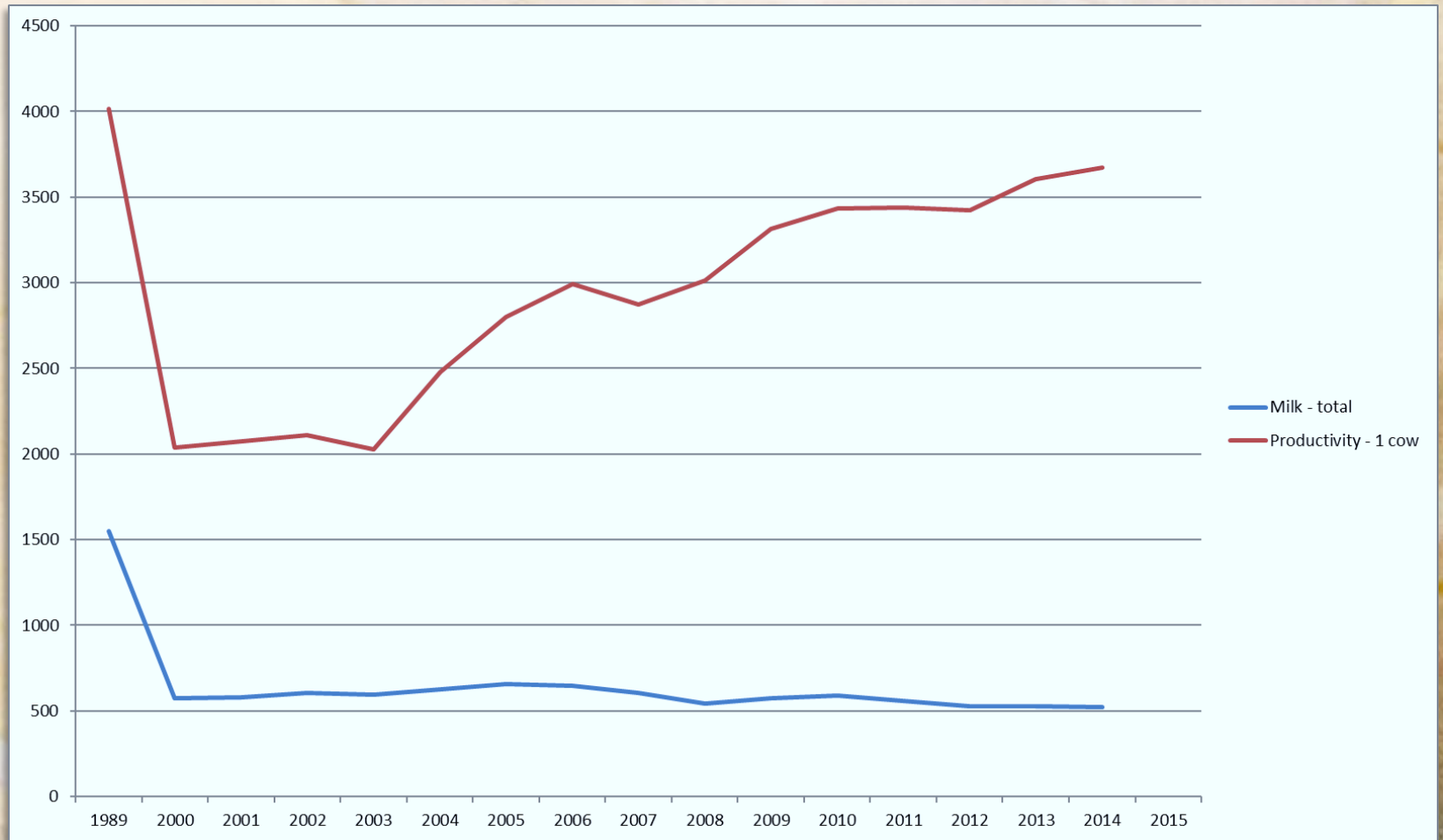
Dynamics of main indicators of activity of the livestock sector in the years 2000-2015

Indicators	Unity of measure	1989	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Livestock at end of period																		
Cattle	thousand heads	1112	394	405	410	373	331	310	299	232	218	221	216	203,9	191	188.9	189	189.3
including Cows	thousand heads	402	269	272	279	256	231	217	207	169	160	161	154,4	144,3	134	130.7	131	128.4
Swine	thousand heads	2045	447	449	508	446	398	461	532	299	283	377	478,5	438,6	410,0	420.0	420	466.3
Sheeps and goats	thousand heads	1344	938	947	956	938	942	938	947	853	866	915	905,5	832,4	824	849.2	849	893.7
Poultry	millions heads	25,5	13	14,1	15	15,8	17,5	22,2	22,5	17,2	18.3	22,4	23,3	28,7	53,4	46	45	

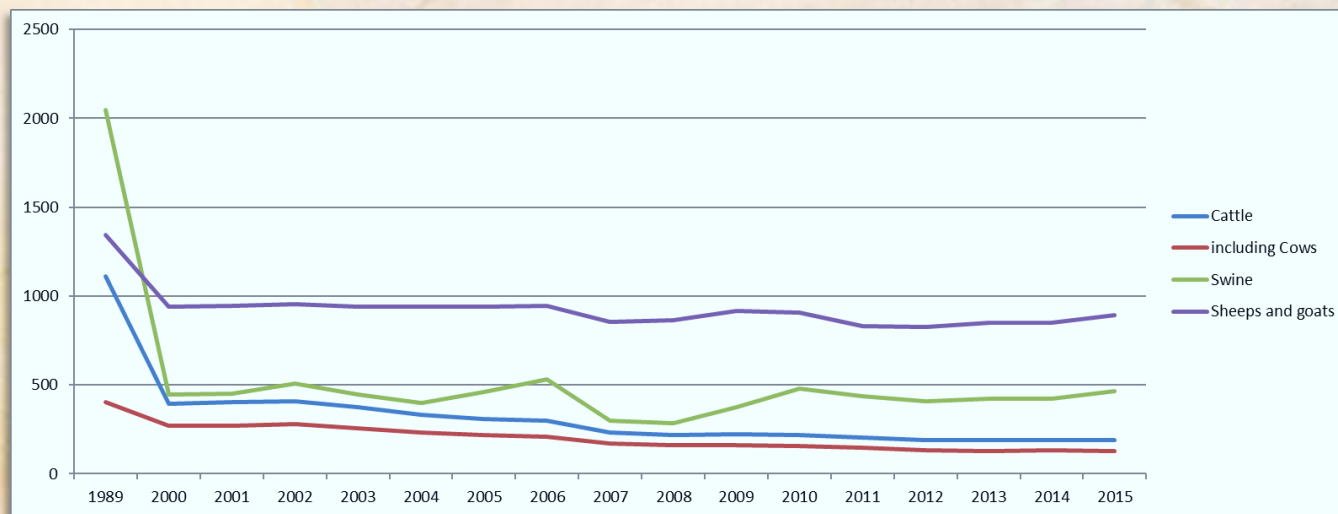
Evolution of meat production (cattle, swine, poultry)



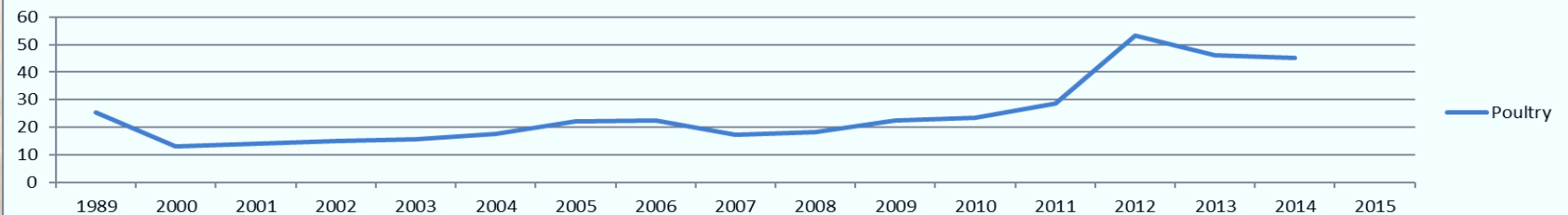
Evolution of milk production



Evolution of cattle, including cows, Swine, sheeps and goats



Poultry



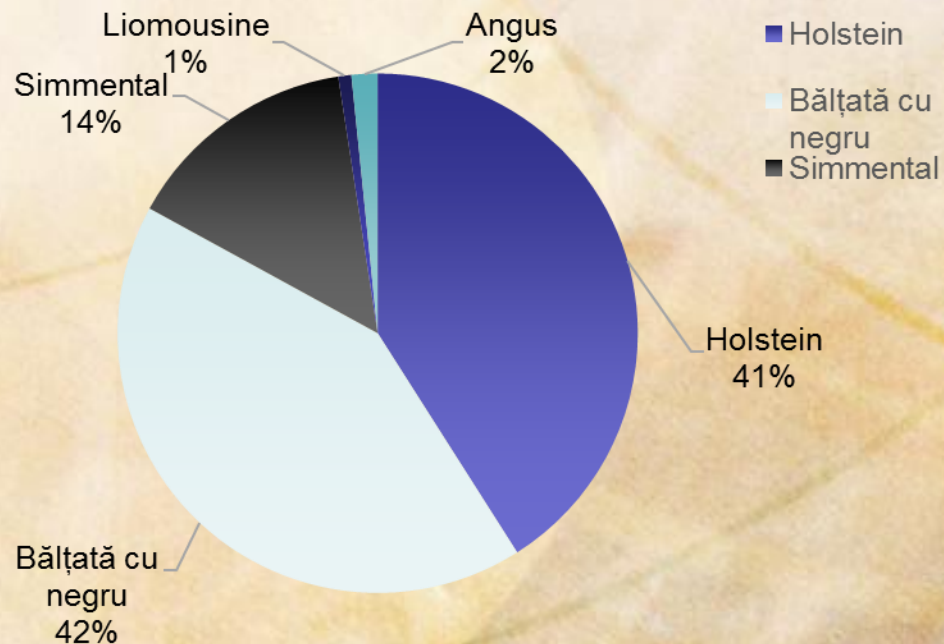


In situ conservation

The overall population of the country compared with the number of animals in breeding farms

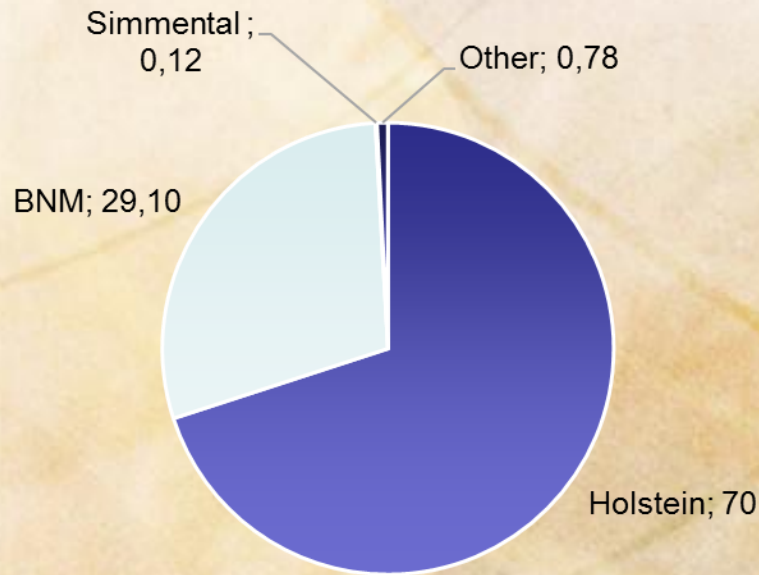
Species	The total effective, thousands	The number of animals in breeding farms	% Versus the total number
Cattle	191(cows 130)	3905	2
Sheep and goats	875	15671	1,7
Pigs	483	2681	0,5
Horses	42	162	0,3

Number of cattle in breeding farms



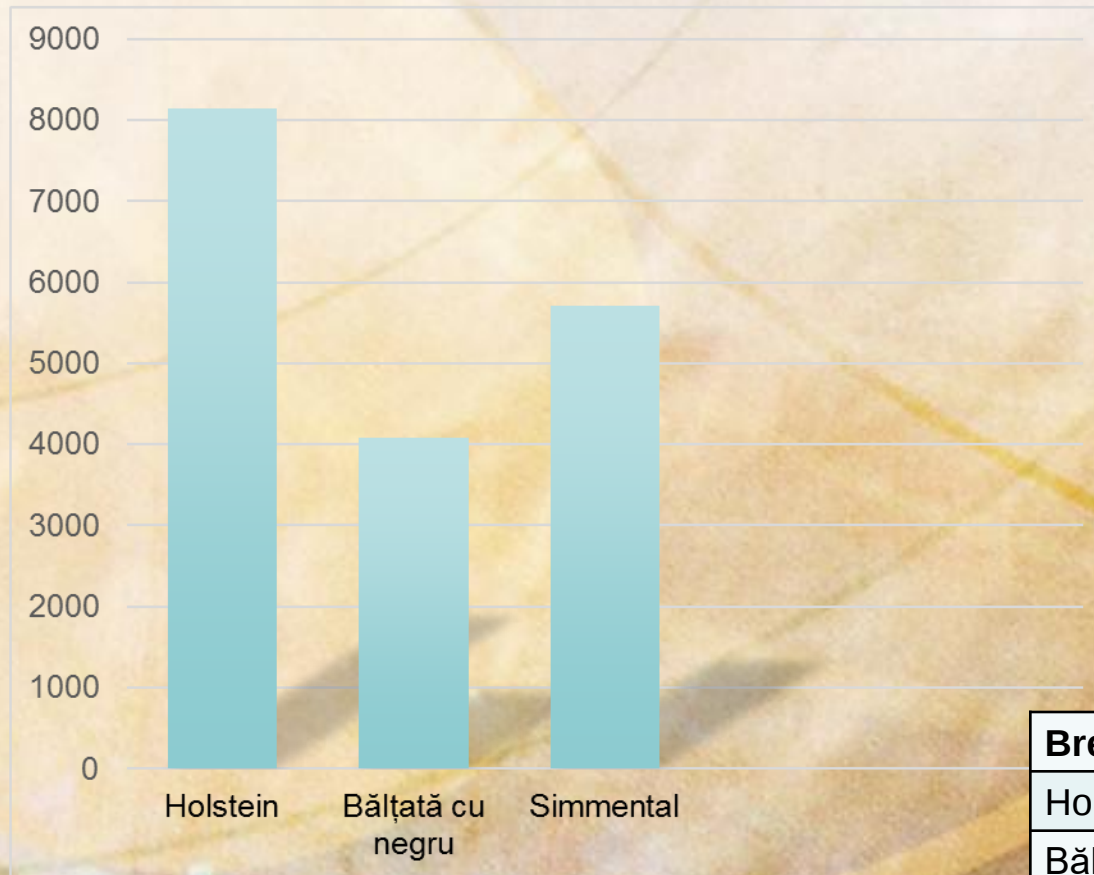
Breed	Nr.
Holstein	1623
Bălțată cu negru	1662
Simmental	578
Limousine	32
Angus	64

The share of total semen used, %



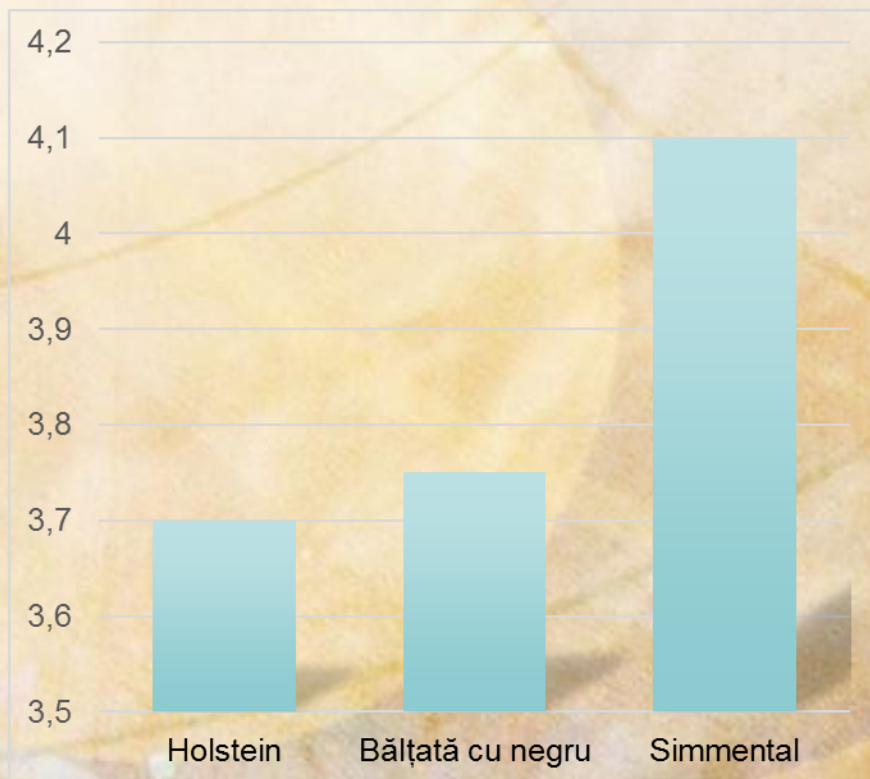
Breed	Use, %
Holstein	70
BNM	29,1
Simmental	0,12
Other	0,78

Productivity of cows (milk)



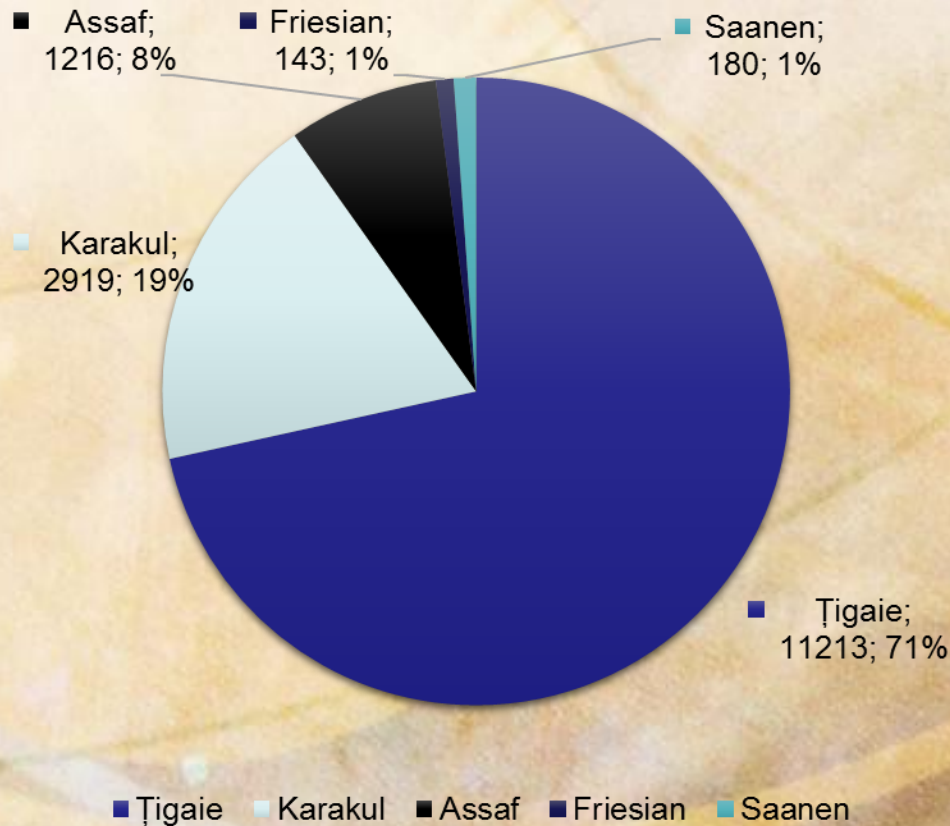
Breed	Productivity(milk)
Holstein	8150
Bălțată cu negru	4080
Simmental	5715

Productivity (fat), %



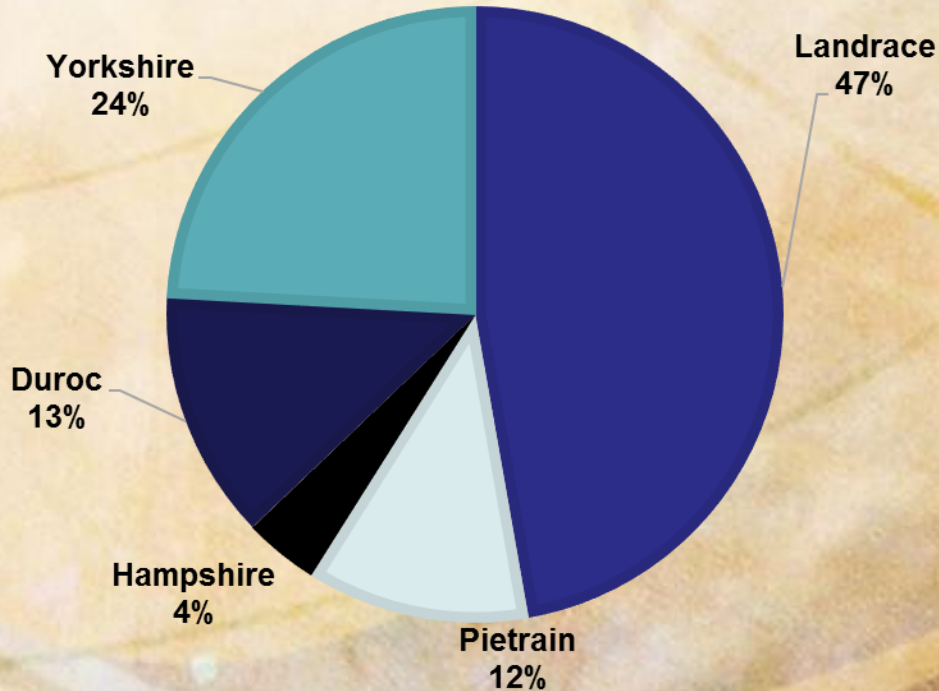
Breed	Productivity(fat), %
Holstein	3,7
Bălțată cu negru	3,75
Simmental	4,1

Number of Sheep and goats in breeding farms



Breed	No.
Tığaie	11213
Karakul	2919
Assaf	1216
Friesian	143
Saanen	180

Number of Pigs in breeding farms



Breed	No.	Natality of the sows
Landrace	1266	9,3
Pietrain	314	8,2
Hampshire	339	6,7
Duroc	349	8,5
Yorkshire	647	9,1



Ex situ conservation

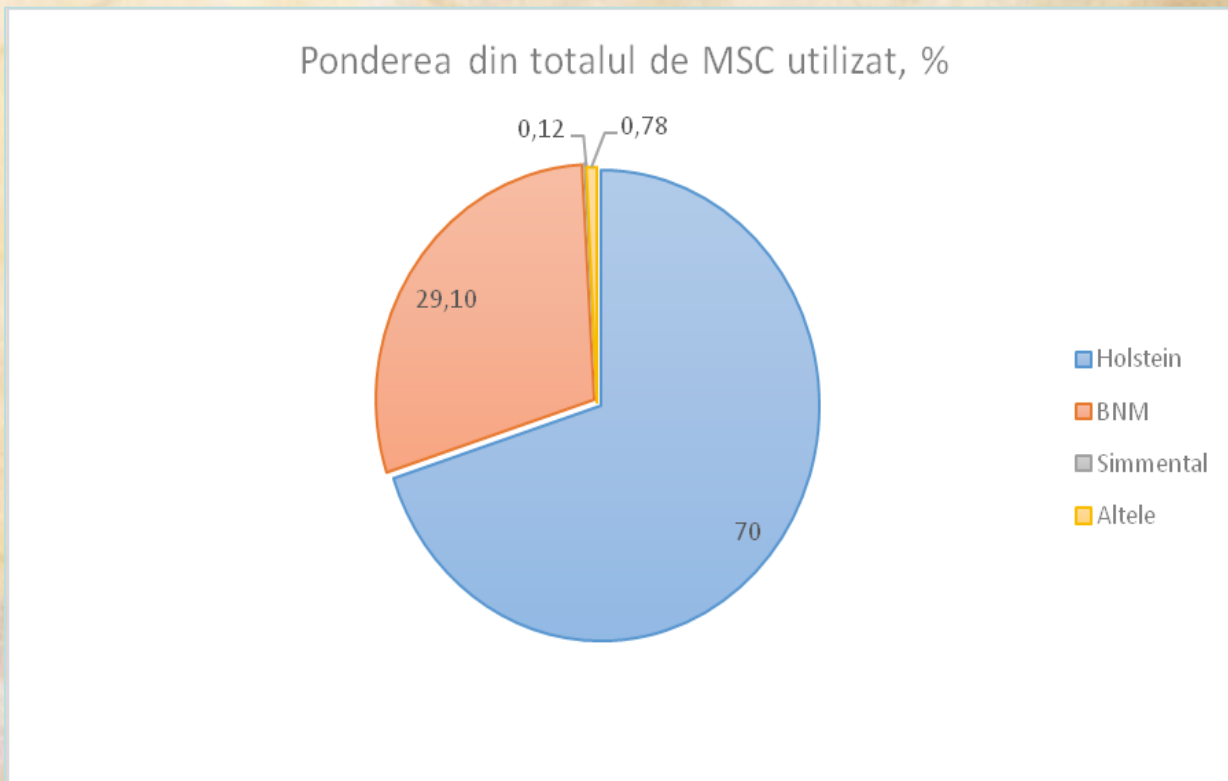
MSC breed stock, situation at 01/04/2016

Nr d/ o	Rasa	Numărul de doze
1	Bălțată cu Negru tip Moldovenesc	1839648
2	Holstein rasă pură	1236054
3	Holstein- metisi	3738217
4	Simmental	2535
5	Limousine	2237
6	Charolais	9773
7	Aberden Angus	200
Total		6828,7 mii

Information on cattle breeding 2011-2015

Anii	Efectivul de animale (capete)	Numărul de însămînțări (capete)	Numărul de doze utilizate
2011	180837	99038	198076
2012	170163	100292	200584
2013	158398	100408	200816
2014	151634	100228	200456
2015	139687	88609	177218

Cryogenic Preservation





Cryogenic Preservation



Thank you for attention!!!