

"Agrobiodiversity in Lithuania: situation and future perspective"

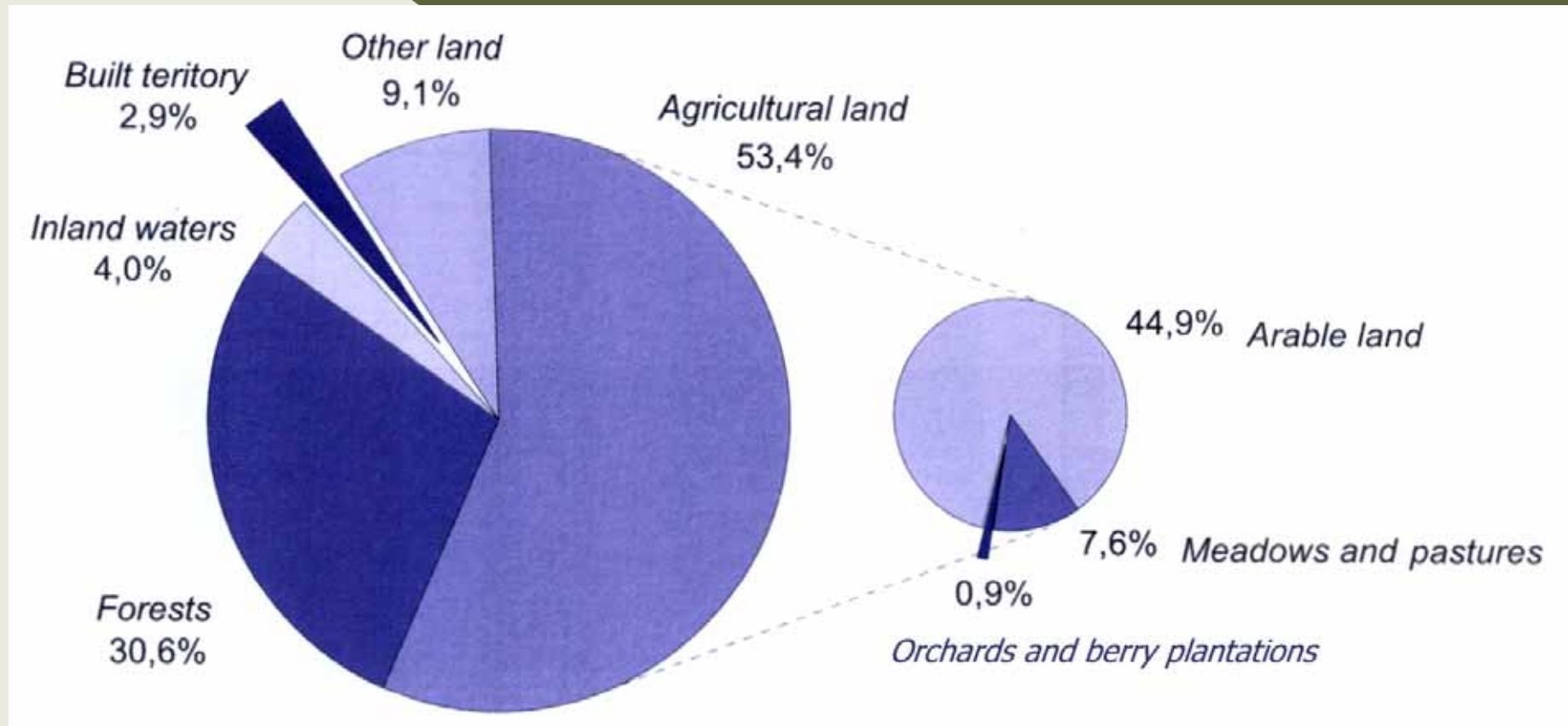
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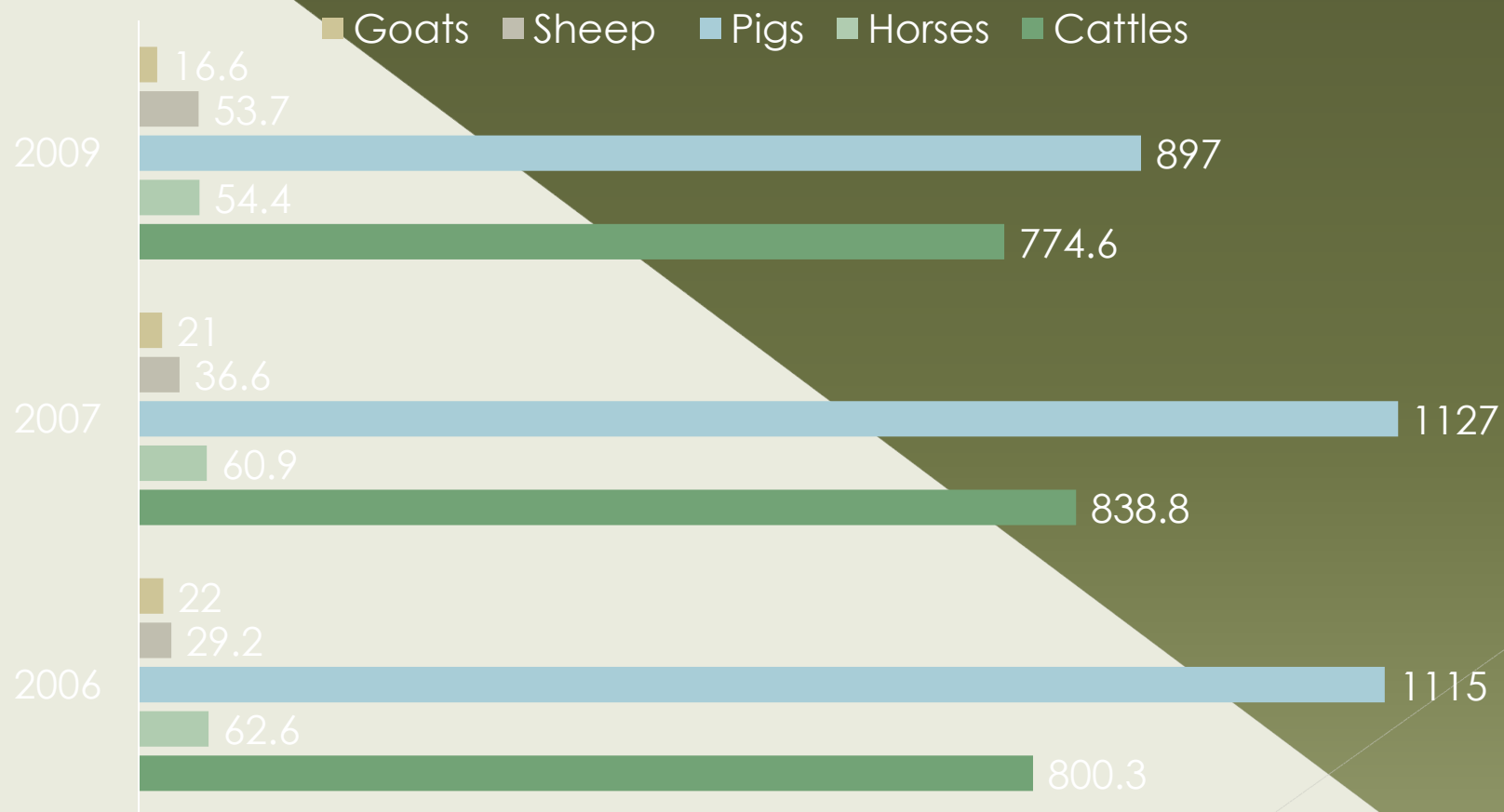


m.

TOTAL LAND AREA BY LAND CATEGORIES (percent)



Number of livestock (thousand)





The activities for conservation of Lithuanian breeds were launched respectively in 1994 and 1999 when minimal herds were formed at the Institute of Animal Science (LIAS), and thus their complete extinction has been prevented

Native Horse breeds

- ◉ Žemaitukai



- ◉ Large type
Žemiatukai



- ◉ Lithuanian
Heavy
Draught



Lithuanian native cattle

Lithuanian Ach-Grey



Lithuanian White-backed



Lithuanian red
(old genotype)



Lithuanian
White and black
(old genotype)



Lithuanian native pig



Lithuanian White pig
(old genotype)



The herd of Lithuanian native coarse-wooled sheep had 6 founders



Lithuanian Black- face sheep



The population of Lithuanian “Vištinės” geese was restored from 100 eggs in 1996.



Lithuanian Hunted dog



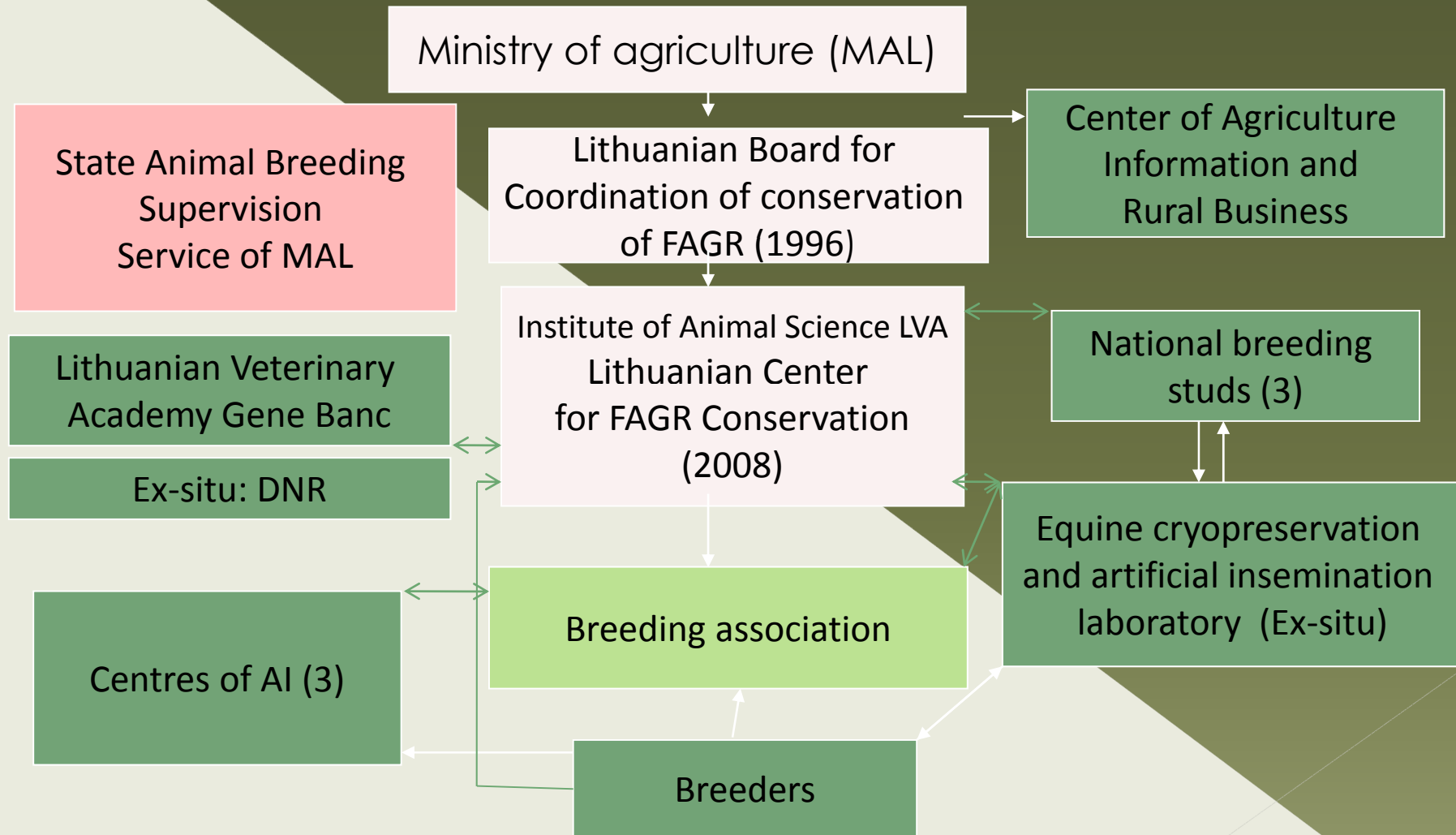


- ◎ National Programme for the conservation of the native farm animal genetic resources adopted by the Ministry of Agriculture of Lithuania in 1996 and in 2006.
- ◎ The main purpose of this programme was collection, investigation and conservation of Lithuanian farm animal genetic resources.



- ◎ The Ministry of Agriculture adopted an order about the foundation of the Coordinating centre (Centre) for the National Programme of the conservation farm Animal Genetic Resources.
- ◎ The national farm animal Genetic Resources Coordinating Centre was found at the Institute of Animal Science at the end of 2008.

General management of native animal breeds in Lithuania



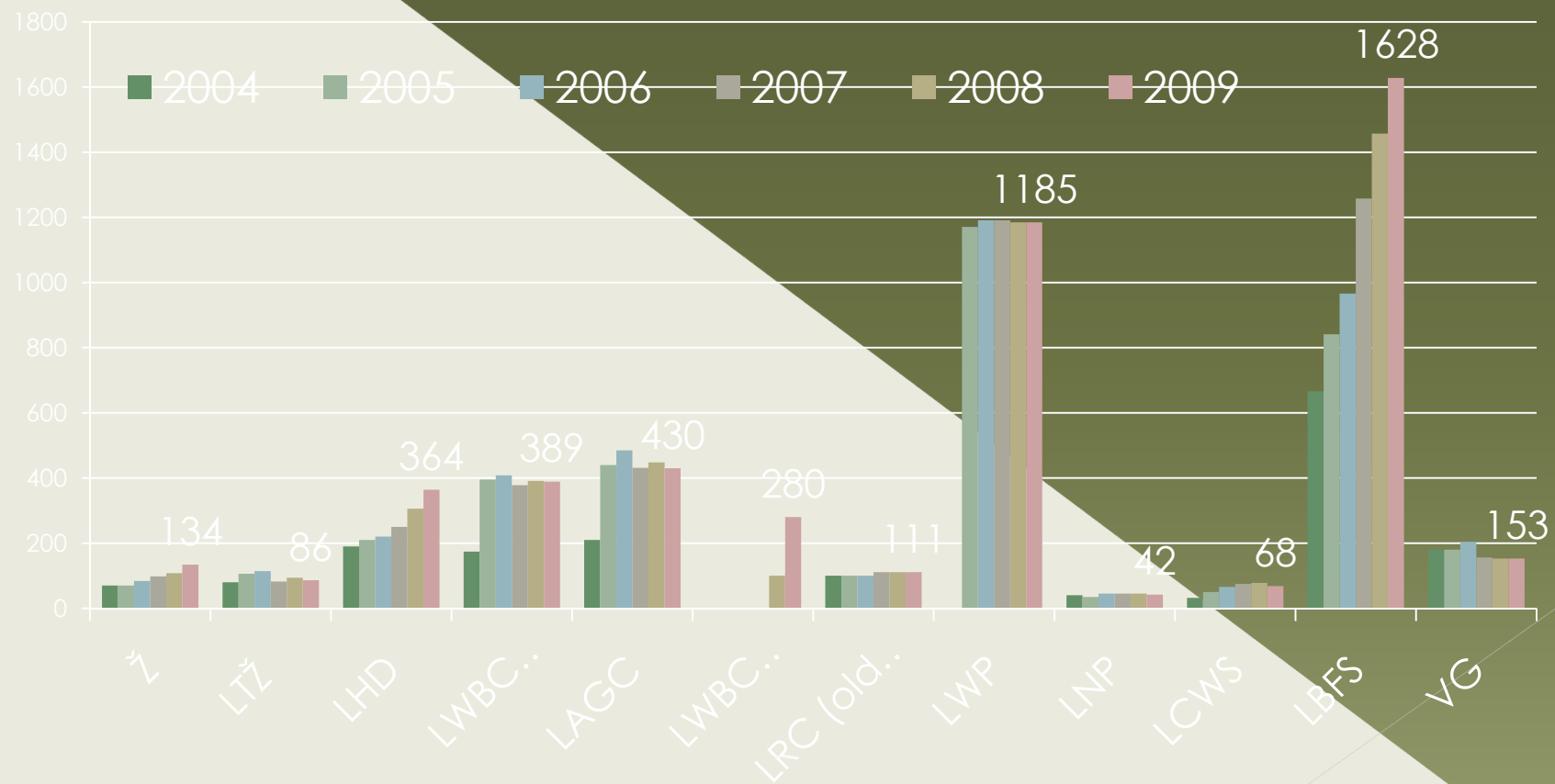
The main activities of the Centre:



- ◉ coordination of animal genetic resources,
- ◉ identification,
- ◉ monitoring,
- ◉ preparation of conservation programs,
- ◉ evaluation of animals,
- ◉ conservation in-situ and ex-situ

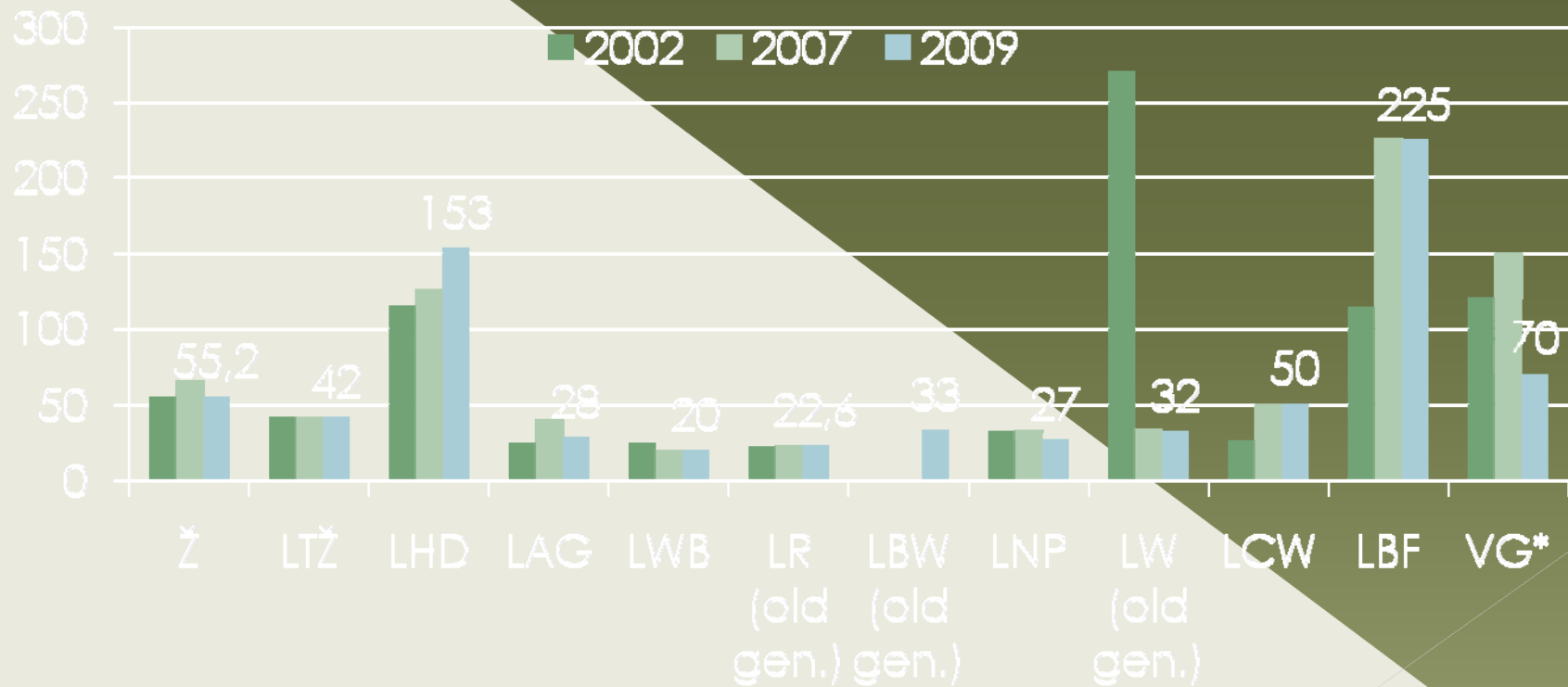
Numbers of Lithuanian rare breed animals and their changes in 2004 to 2009

* In 2010 the number of Vištinės geese decreased to 70 birds (42 females)



The effective population size and their changes in 2002 to 2009

$$N_e = 4NmNf / (Nm + Nf) \text{ (Maijala, K. 1999)}$$



Lithuanian Endangered Farm Animal Breeders Association

The aim of the Association is to combine the know-how and experience of all the interested persons in order to preserve and improve the disappearing local farm animal breeds or populations in Lithuania.

E.mail.: ukiniai.gyvunai@gmail.com

www.lgi.lt/gencentras

The activities of the Association:

- Assist in selection work of endangered farm animal breeds;
- Keep registers and herd books for individual breeds of endangered animals, give parentage certificates, evaluate farm animals;
- Support, develop and organize intercommunication also international cooperation;
- Organize lectures, seminars, discussions courses and practical activities in relation with the problems and topics on the breeding and conservation of endangered farm animals;



Thank you for
your attention

